

A TRIBUTE IN LOVING MEMORY



Gregory James Gluszak (1982-2006)

Greg Gluszak was a lifetime resident of Walker Valley, New York and graduated from the State University of New York at Albany (B.S.) in 2004. At the time of his death, he was a first year Ph.D. student in the Department of Geosciences at Stony Brook University. As an undergraduate student, majoring in geology, Greg became interested in planetary science and was a student team member with the NASA-sponsored New York Center for Studies on the Origin of Life at Rensselaer Polytechnic Institute and SUNY Albany. During his first year at Stony Brook, Greg was busy taking courses and acting as a teaching assistant in undergraduate classes. He was continuing to pursue his interests in planetary science and had just begun a laboratory research project where he was examining the chemical and mineralogical effects of interacting acidic aqueous solutions with rocks and minerals characteristic of the Martian surface. These experiments were designed to help explain some of the observations made by the *Spirit* rover that is currently active on the surface of Mars.

After his first semester at Stony Brook, Greg returned home to spend Christmas with his family. During this time he fell suddenly and seriously ill. He passed away on January 13, 2006 due to Adult Respiratory Distress Syndrome of unknown origin.

Greg had a passion for learning and for science. His family has expressed his awe and gratitude at being able to say that he was part of Stony Brook University where he knew his passion would be kept alive and where he would be mentored by some of the most brilliant minds in the country. He had hoped to add his contribution to the legacy of Stony Brook researchers, scientists and educators. In turn, Greg had a remarkable impact in his brief time at Stony Brook – from his great enthusiasm for scholarship to his engaging good humor to baking cookies for his graduate seminar classmates. At home he was an active member of his local church and was heavily involved with community service. He greatly enjoyed the outdoors and his other favorite activities included music, art and photography. He will be sorely missed and always remembered by family and friends.

A TRIBUTE IN LOVING MEMORY



Teresa Elizabeth Haire (1975 – 2006)

Teresa Haire, a native Long Islander, graduated from high school *summa cum laude*. She attended SUNY Plattsburgh and graduated with a B.S. degree in Biology in 1998. Her undergraduate research on the primary photoreceptor pigment of *Euglena gracilis* that is used for phototaxis, together with her work after graduation in a physician's clinical laboratory in Sitka, Alaska, fueled her desire to pursue biomedical research aimed at curing human diseases. She became a doctoral student in the Molecular Genetics and Microbiology Program at Stony Brook University in the fall of 2003 and was the recipient of a University Graduate Fellowship.

Teresa began her dissertation research on the regulation of epithelial cell polarity during oncogenic transformation in Dr. Senthil Muthuswamy's lab at Cold Spring Harbor Laboratory in the summer of 2004. She was a superb experimentalist who did not shy away from applying new techniques and experimental approaches to her project, and she was deeply committed to her work. Teresa was an excellent speaker and teacher, and was well known for working long, hard hours in the lab including weekends and holidays. Outside the lab, she enjoyed spending time with her many friends, camping, fishing, playing with her dog, and listening to the music of the Grateful Dead and Phish.

Quite unexpectedly, Teresa suffered a brain hemorrhage and she passed away peacefully on January 30, 2006 in the presence of family and friends. Her passing is a great loss to her family, friends and the program. Teresa is remembered by all for her warm and gentle personality, generous spirit, optimism, and infectious laugh. She is deeply missed by all who knew her.

GREETINGS FROM THE DEAN

We began to compile a record of the achievements of Stony Brook's graduate Students in 1991 and have published an issue each academic year since then. This issue covers the 2005-2006 academic year.

The accomplishments of Stony Brook's graduate students are quite extraordinary. They include winning numerous, prestigious, national and international fellowships and research grants. Our students have also established an impressive presence in the literatures of their disciplines with publications in many of the best scholarly journals and books. They have achieved recognition in the creative arts with acclaimed exhibitions and performances. Stony Brook's graduate students also won awards for their excellence as teachers. Our students participate fully in the intellectual activities of their field of scholarship by participation in conferences and workshops. Finally, graduates of Stony Brook's programs leave us to take up a wide variety of professional appointments. Many of these are Post-Doctoral fellowships or faculty positions at some of the nation's finest universities. In addition, Stony Brook's graduates carry the knowledge and expertise that they gained here to many prestigious institutions overseas, thus enhancing Stony Brook's international reputation as an outstanding research university.

The success of Stony Brook's graduate enterprise is rooted in the success of the faculty of the University in research, scholarship and creative activities. The international reputation of Stony Brook's faculty attracts outstanding students to our graduate programs from across the country and around the world. Our educational programs and the opportunities to work with dedicated faculty mentors develop the potential that students bring with them so that they become independent researchers and scholars. Graduate education lies at the heart of a research University and this publication demonstrates the vitality of the research, scholarly and creative activities underway at Stony Brook. The students whose accomplishments make up this document deserve recognition for their achievements and our thanks for what they have contributed to the intellectual life of the campus and to the reputation of our University. The faculty who have guided these efforts and the staff and administration of the University who help to foster an environment in which scholastic excellence is valued and in which outstanding graduate education can take place all played important roles in the successes documented here.

The achievements listed here required hard work by many people and all who contributed should feel a sense of pride in the accomplishments of these students. My congratulations and thanks to all concerned.



Lawrence B. Martin
Dean of the Graduate School

Acknowledgements

The Graduate School would like to extend special thanks to all participating Stony Brook graduate students who have made this publication possible, the deans for encouraging their respective programs to participate, and the chairs, graduate directors, and graduate coordinators who have taken the time to coordinate and submit the program's achievements.

- **On the Cover**

Untitled by Athena LaTocha

Athena LaTocha is a graduate student in the Master of Fine Arts program and the winner of the 2006 Dorothy L. Pieper Memorial Purchase Prize

- **Cover Design:** Smruti Patel.
- **Editing and Typesetting:** Smruti Patel and Samia Omar.

The Graduate School

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GRADUATE PROGRAMS

❖ **BASIC HEALTH SCIENCES**, Vice Dean for Research: Craig Malbon

Anatomical Sciences
Molecular and Cellular Pharmacology
Molecular Genetics and Microbiology
Immunology and Pathology
Oral Biology and Pathology
Physiology and Biophysics

❖ **SOCIAL WELFARE**, Dean: Francis Brisbane

❖ **COLLEGE OF ARTS AND SCIENCES**, Dean: James V. Staros

Anthropological Sciences
Anthropology
Art History and Criticism and Studio Art
Biochemistry and Structural Biology
Chemistry
Comparative Literature
Ecology and Evolution
Economics
English
European Languages, Literatures and Cultures
Genetics
Geosciences
Hispanic Languages, Literatures and Cultures
History
Linguistics
Mathematics
Molecular and Cellular Biology
Music
Neuroscience
Philosophy
Physics and Astronomy
Political Science
Psychology
Sociology
Theatre Arts
Women's Studies
Writing and Rhetoric

❖ **COLLEGE OF ENGINEERING AND APPLIED SCIENCES**, Dean: Yacov Shamash

Applied Mathematics and Statistics
Biomedical Engineering
Computer Science
Electrical and Computer Engineering
Management and Policy
Materials Science and Engineering
Mechanical Engineering
Technology and Society

❖ **MARINE SCIENCES RESEARCH CENTER**, Dean: David Conover

Marine and Atmospheric Sciences

❖ **SCHOOL OF PROFESSIONAL DEVELOPMENT and CONTINUING STUDIES**, Dean: Paul Edelson

The 2006 GRADUATE AWARDS

❖ President's Award for Excellence in Teaching

This award is made in recognition of excellence in teaching by graduate students. The name of each recipient will be inscribed on Stony Brook's Roll of Recognition for Teaching Excellence.

Amy Bagshaw	<i>Art</i>
Serene Khader	<i>Philosophy</i>
Kristin Pape	<i>Comparative Studies</i>
Richard Smith	<i>Sociology</i>
Amy Traver	<i>Sociology</i>
Na Yin	<i>Economics</i>

❖ President's Award to Distinguished Doctoral Students

This award is made in recognition of the following criteria:

1. The candidate's dissertation and its research base are of outstanding merit, or
2. The student, in conduct of doctoral work made exceptional contributions to the University, or
3. The student, in completing candidacy overcame personal or social handicaps of an unusual nature.

Andisheh Abedini	<i>Chemistry</i>
Rama Calaga	<i>Physics and Astronomy</i>
Kaustabh Ghosh	<i>Biomedical Engineering</i>
Mitchell Irwin	<i>Interdepartmental Doctoral Program in Anthropological Sciences</i>
Deborah Stoner-Ma	<i>Chemistry</i>

❖ Dorothy L. Pieper Memorial Purchase Prize

This award is presented to a student in the Master of Fine Arts Program for an outstanding work of visual art. The work winning the Pieper Prize appears on the cover of the Graduate Student Achievements for the corresponding academic year.

Athena LaTocha	<i>Art</i>
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❖ **The Madeline Fusco Fellowship**

This fellowship is awarded to outstanding women or minority doctoral students completing a dissertation.

Etsuko Maruoka-Ng
Sarah Marchesano

Sociology
History

❖ **The Mildred and Herbert Weisinger Dissertation Fellowship**

This fellowship is awarded to graduate students completing dissertations that bear significant scholarly promise, and whose work might otherwise be delayed due to financial obligation.

Matthew Mahler
Maya Shanbhag

Sociology
Comparative Studies

ANATOMICAL SCIENCES

GRADUATE DIRECTOR: CATHERINE FORSTER

DEPARTMENT CHAIR: WILLIAM JUNGERS

❖ Grants, Fellowships, and Awards

Boyer, D.M. (2005) Geological Society of America Travel Grant: \$1,200.00. *Geological Society of America*, Boulder, CO.

Boyer, D.M. (2006) Evolving Earth Foundation Research Grant: \$2,962.00. *Evolving Earth Foundation*, Issaquah, WA.

Farke, A. (2006) Grant-in-Aid of Research. \$780. *Society of Integrative and Comparative Biology*, McLean, VA.

❖ Singly Authored Publications/Research Reports/Reviews

Farke, A. (2006) Morphology and ontogeny of the cornual sinuses in chasmosaurine dinosaurs (Ornithischia: Ceratopsidae). *Journal of Paleontology* 80(4):780-785.

❖ Jointly Authored Publications/Research Reports/Reviews

Bloch, J. I., and **Boyer, D.M.** (in press) New skeletons of Paleocene-Eocene Plesiadapiformes: a diversity of arboreal positional behaviors in early primates. *Developments in Primatology: Progress and Prospects*. M. Dagosto, and M.J. Ravosa, Eds. New York: Plenum Press.

Boyer, D.M., and Bloch, J.I. (2006) Evaluating the mitten-gliding hypothesis for Paromomyidae and Micromomyidae (Mammalia, “Plesiadapiformes”) using comparative functional morphology of new Paleogene skeletons. *Freschrift of Frederick Szalay*. E.J. Sargis, and M. Dagosto, Eds. New York: Kluwer publishers (in press).

Georgi, J., and **Sipla, J.** (in press) Balance: Comparative Anatomy and Physiology in Secondarily Aquatic Reptiles and Birds. *Senses on the Threshold*. H. Thewissen, and S. Nummela, Eds. California: University of California Press.

Oheim, K., and **Hall, J.** (2006) Fossil Site Prediction Using Geographic Information Systems (GIS) and Suitability Analysis: The Two Medicine Formation, MT, a Test Case. *Geology*. (submitted)

Godfrey L.R., **Samonds, K.E.**, Wright, P.C., and King, S.J. (2005) Schultz’s unruly rule: dental developmental sequences and schedules in small-bodied folivorous lemurs. *Folia Primatologica* 76: 77-99.

Sipla, J., and Spoor, F. (in press) The physics and physiology of balance. *Senses on the Threshold*. J.G.M. Thewissen, and S. Nummela, Eds. Los Angeles: University of California Press.

❖ Other

Farke, A. (2005) Talking head for television series, The Truth About Killer Dinosaurs. *British Broadcasting Company* and *Discovery Channel*, London, England.

Farke, A. (2006) Talking head for television program, Creating the Peabody's Torosaurus: Dinosaur Science, Dinosaur Art. *Connecticut Public Television*, New Haven, CT.

ANTHROPOLOGICAL SCIENCES

GRADUATE DIRECTOR: ELIZABETH STONE

❖ Grants, Fellowships, and Awards

- Baden, Andrea L.** (2005) Population density and community structure of the black-and-white ruffed lemur (*Varecia variegata*) at Mangevo, Madagascar, \$3,000. *Conservation International, Primate Action Fund*, Washington, DC, USA.
- Baden, Andrea L.** (2005) Population density and community structure of the black-and-white ruffed lemur (*Varecia variegata*) at Mangevo, Madagascar. *Primate Conservation, Inc. Research Grant*, \$3,750. Charlestown, RI.
- Banks, Matthew.** (2006) Act for Nature Conservation Grant, €10,000. *Act for Nature and the Zoological Society for the Conservation of Species and Populations*, Monaco, Principaute de Monaco.
- Beyin, Amanuel.** (2005) Pilot Exploration of Paleolithic Site on the Eritrean Red Sea Coast, \$12,000. *The Leakey Foundation*, San, Francisco, CA.
- Deppe, Anja M.** (2005) Conservation grant, \$2,000. *Primate Conservation, Inc.*, Charlestown, RI.
- Deppe, Anja M.** (2005) Conservation grant, \$3,500. *Conservation International: Primate Action Fund*, Washington, DC.
- Deppe, Anja M.** (2005) Equipment grant, \$1,200. *Idea Wild*, Fort Collins, CO.
- Derby, Abigail.** (2005-2006) National Science Foundation Dissertation Improvement Grant, \$7560. *National Science Foundation*, Arlington, VA.
- Erb, Wendy.** (2005) Primate Action Fund, \$2500. *Conservation International*, Washington, DC.
- Erb, Wendy.** (2005) Intergroup aggression and long-distance communication in simakobu monkeys (*Simias concolor*) on Siberut Island, Indonesia, \$2000. *Primate Conservation, Inc.*, Charlestown, RI.
- Gilbert, Christopher C.** (2005-2006) African Plio-Pleistocene Biogeography and Papionin Phylogenetic History, \$11,735. *L.S.B. Leakey Foundation*, San Francisco, CA.
- Martin, Sara.** (2005) Primate Action Fund, \$5,000. *Conservation International*, Washington, DC.
- Patel, Biren A.**, (2006) Doctoral Dissertation Improvement Research Grant, \$12,000. *National Science Foundation*, Arlington, VA.
- Pokempner, Amy.** (2005) The Effects of Sex Differences and Seasonality on the Feeding Ecology of Chimpanzees in Kibale National Park, Uganda, \$1,500. *American Society of Primatologists*, USA.
- Raharison, Jean-Luc, and **Irwin, Mitchell** (2005) Conserving Threatened Lemur Populations at Tsinjoarivo, Eastern Central Madagascar: Extended Regional Distribution Surveys and Population Monitoring of Sadabe, a Newly-Discovered Sifaka (*Propithecus diadema* ssp. nov.), \$17,000. *Margot Marsh Biodiversity Foundation (Division of Conservation International)*, Washington, DC.
- Wheeler, Brandon C.** (2006) Doctoral Dissertation Improvement Grant, \$11,120. *National Science Foundation*. Washington, DC.
- Young, Jesse W.** (2006) Predoctoral Research Grant, \$13,325. *L.S.B. Leakey Foundation*, San Francisco, CA.
- Beyin, Amanuel.** (2005) Young Researchers Scholarship, \$15,000. *The Dan David Prize*, Tel Aviv University, Israel.

- Elder, Alice.** (2006) SEASSI Tuition Fellowship, \$1250. *Southeast Asian Studies Summer Institute*, Madison, WI.
- Gilbert, Christopher C.** (2001-2006) Graduate Council Fellowship, \$14,500/year, *Stony Brook University Graduate School*, Stony Brook, NY.
- Royer, Danielle F.** (2005) Doctoral Fellowship, \$40,000 CAD. *Social Sciences and Humanities Research Council of Canada*, Ottawa, Canada.
- Royer, Danielle F.** (2006) Turkana Basin Summer Fellowship, \$2,000. *Turkana Basin Institute and Stony Brook University*, Stony Brook, NY.
- Su, Anne.** (2006) Turkana Basin Summer Fellowship, \$2000. *Turkana Basin Institute/ Stony Brook University*, Stony Brook, NY.
- Young, Jesse W.** (2006) Faculty Staff Fellowship, \$2,500. *Stony Brook University Graduate School*, Stony Brook, NY.
- Kamilar, Jason M.** (2006) Sigma Xi Travel Award, \$200. *Sigma Xi, Stony Brook University Chapter*, Stony Brook, New York, USA.
- Kamilar, Jason M.** (2005) Podium Presentation Student Prize, \$125. *5th Göttinger Freiländtage - Primate Diversity: Past, Present, and Future*, Göttingen, Germany.
- Ossi, Kerry M., and Kamilar, Jason M.** (2005) Best Student Poster Honorable Mention. *Primate Biology and Behavior Interest Group, American Association of Physical Anthropologists*, Milwaukee, WI.
- Patel, Biren A.,** (2006) Prize for Best Student Poster. *Division of Vertebrate Morphology (DVM), Annual Meeting of the Society for Integrative and Comparative Biology (SICB)*, McLean, VA.
- Patel, Biren A.,** (2005) Normal Creel Prize for Outstanding Student Research in Anatomical Sciences. *Department of Anatomical Sciences, Stony Brook University*, Stony Brook, NY.
- Scarry, Clara.** (2006) Honorable Mention, Graduate Research Fellowship. *National Science Foundation*. Arlington, VA.

❖ **Singly Authored Publications/Research Reports/Reviews**

- Beyin, Amanuel.** (2006). The Bab al Mandab vs the Nile-Sinai-Levant: an appraisal of the two dispersal routes for early modern humans out of Africa. *African Archaeological Review* 23(1).
- Coleman, M.N.** (2005) Determining which primate audiograms are reliable for comparing sensitivity in different species. *Journal of the Acoustical Society of America* 118(3):1893.
- Young, Jesse W.** (2005) Ontogeny of muscle mechanical advantage in capuchin monkeys (*Cebus albifrons* and *Cebus apella*). *Journal of Zoology* 267:351-362.
- Irwin, Mitchell.** (2006) Ecologically enigmatic lemurs: The sifakas of the eastern forests (*Propithecus candidus*, *P. diadema*, *P. edwardsi*, *P. perrieri* and *P. tattersalli*). *Lemurs: Ecology and Adaptation*. L. Gould, and M. Sauther, Eds. New York: Springer (in press).
- Leclercq, Bénédicte.** (2006) A Global Overview of World Heritage Forest Sites, 7 years after the Berastagi Conference. *World Heritage Papers Series* (in press).
- Gilbert, Christopher C.** (2005) The Stony Brook World Environmental Forum: Life Matters. *Evolutionary Anthropology* 14: 209-210.
- Grossman, A.** (2006) NESCent Catalysis Workshop Behavioral Reconstruction in Paleoanthropology, *Evolutionary Anthropology* (in press).

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Banks, Matthew**, Ellis, E.R., Antonio, Wright, P.C. (in press) Census results for lemurs of northern Madagascar, including low population numbers for the critically endangered, *Propithecus perrieri*. *Animal Conservation*.
- King, S.J., **Arrigo-Nelson, S.J.**, Pochron, S.T., Semperebon, G.M., Godfrey, L.R., Wright, P.C., and Jernvall, J. (2005) Hanging on to the edge: Maintenance of primate tooth function and offspring survival. *Proceedings of the National Academy of Sciences* 102(46):16579-16583.
- Carlson, K.J., and **Patel, Biren A.** (2006) Habitual use of the primate forelimb is reflected in the material properties of subchondral bone in the distal radius. *Journal of Anatomy* 208:659–670.
- El-Zaatari, Sireen**, Grine, Frederick E., Teaford, Mark F., and Smith, Heather F. (2005) Molar microwear and dietary reconstructions of fossil Cercopithecoidea from the Plio-Pleistocene deposits of South Africa. *Journal of Human Evolution* 49(2):180-205.
- Golovanova, Lubov V., **Cleghorn, Naomi**, Doronichiev, Vladimir, Hoffecker, John F., Burr, George S., and Sulergiszkiy, Leopold D. (2006) The Early Upper Paleolithic in the Northern Caucasus (new data from Mezmaiskaya cave, 1997 excavation). *Eurasian Prehistory*.
- Irwin, Mitchell**, Raharison, Jean-Luc, Rakotoarimanana, Harison, Razanadrakoto, Edmond, Ranaivoson, Edmond, Rakotofanala, Justin, and Randrianarimanana, Charles. (in press) Diademed sifakas (*Propithecus diadema*) use olfaction to forage for the inflorescences of subterranean parasitic plants (Balanophoraceae: *Langsdorffia* sp., and Cytinaceae: *Cytinus* sp.). *American Journal of Primatology*.
- Kamilar, Jason M.**, and Roehrdanz, N. (2005) Old World monkeys. In: *Encyclopedia of Anthropology*. H.J. Bix, Ed. Thousand Oaks: Sage Publications.
- Lehman, S.M., **Mayor, M.**, and Wright, P.C. (2005) Ecogeographic size variations in sifakas; a test of the resource seasonality and resource quality hypotheses. *American Journal of Physical Anthropology* 126(3):318-328.
- Louis Jr., E.E., Coles, M. S., Andriantompohavana, R., Sommer, J.A., Engberg, S.E., Zaonarivelo, J. **Mayor, M.**, and Brenneman, R.A. (2006) Revision of the Mouse Lemurs (Primates, Microcebus) of Madagascar. *International Journal of Primatology* (in press).
- Olejniczak, A.J.**, and Grine, F.E. (2005). High-resolution measurement of Neandertal tooth enamel thickness by micro-focal computed tomography. *South African Journal of Science* 101:219-220.
- Olejniczak, A.J.**, and Grine, F.E. (2006) Assessment of the accuracy of dental enamel thickness measurements using micro-focal X-Ray computed tomography. *The Anatomical Record Part A* 288A:263-275.
- Ossi, Kerry M.**, and **Kamilar, Jason M.** (in press) Environmental and phylogenetic correlates of *Eulemur* behavior and ecology (Primates: Lemuridae). *Behavioral Ecology and Sociobiology*.
- Patel, Biren A.**, **Gilbert, Christopher C.**, and **Ericson, K.E.** (in press) Cercopithecoidea cervical vertebral morphology and implications for faunal dispersals out of Africa with hominins. *Journal of Human Evolution*.
- Smith, T.M., **Olejniczak, A.J.**, Reid, D.J., Ferrell, R.J., and Hublin, J-J. (in press) Modern human molar enamel thickness and enamel-dentine junction shape. *Journal of Human Evolution*.
- Smith, T.M., **Olejniczak, A.J.**, Reid, D.J., and Martin, L.B. (in press) Molar crown development in common chimpanzees. *Journal of Human Evolution*.
- Ungar, Peter S., Grine, Frederick E., Teaford, Mark F., and **El-Zaatari, Sireen**. (2006) Dental microwear and diets of African early *Homo*. *Journal of Human Evolution* 50(1):78-95.
- Fleagle, J.G., and **Gilbert, Christopher C.** (in press) Biogeography and the primate fossil record: the role of tectonics, climate, and chance. *Primate Biogeography*. S. Lehman, and J.G. Fleagle, Eds. New York: Kluwer Scientific Press.

- Cleghorn, Naomi**, and Marean, Curtis W. (in press) The destruction of skeletal elements by carnivores: the growth of a general model for skeletal element destruction and survival in archaeological assemblages. *African Taphonomy: A Tribute to the Career of Bob "C.K." Brain*. T.R. Pickering, K. Schick, and N. Toth, Eds. Bloomington: Stone Age Press.
- Olejniczak, A.J.**, Grine, F.E., and Martin, L.B. (in press) Micro-computed tomography of the post-canine dentition: methodological aspects of three-dimensional data collection. *Perspectives on Human Evolution: State of the Art Research in Dental Anthropology*. S. E. Bailey, and J-J. Hublin, Eds. Berlin: Springer.
- Smith, T.M., Reid, D.J., Dean, M.C., **Olejniczak, A.J.**, Ferrell, R.J., and Martin, L.B. (in press) New perspectives on chimpanzee and human molar development. *Perspectives on Human Evolution: State of the Art Research in Dental Anthropology*. S. E. Bailey, and J-J. Hublin, Eds. Berlin: Springer.
- Nicoll, Martin, Ratsimba, Fanjatiana, d'Huart, Jean-Pierre, **Leclercq, Bénédicte**, and the Malagasy Ministry of Environment, Water and Forests. (2006) A Nomination Dossier for a cluster of 8 Protected Areas to be inscribed on the UNESCO World Heritage List (submitted).
- Reid, J., Morra, W., Posa, Bohome C., and **Fernández, Sobrado D.** (2005) *The Economics of the Primate Trade in Bioko, Equatorial Guinea*. Washington, DC: Conservation International.
- Erb, Wendy., St. Clair, Elizabeth M.**, and Jonas, M. (2006) Syntax to synapomorphies. *Evolutionary Anthropology* 15(4):119-120.
- Gilbert, Christopher C.**, and **Patel, Biren A.** (2006) Elwyn L. Simons: A conference in tribute to his life and work. *Evolutionary Anthropology* 15:40-41.
- Kamilar, Jason M.**, and **Coleman, M.N.** (2005) Primate ecology and evolution at the American Association of Physical Anthropology meeting. *Evolutionary Anthropology* 14(6):207-208.
- Kamilar, Jason M.**, and Muldoon, K.M. (2006) Physical Anthropology in the Last Frontier. *Evolutionary Anthropology* 15(4):125-126.
- Kamilar, Jason M.** and Nash, L.T. (2006) Primates in the Great Northwest. *Evolutionary Anthropology*. 15(2):39-39.
- Patel, Biren A.**, and **Young, Jesse W.** (2006) Integrative Primate Biology. *Evolutionary Anthropology* 15(4):123-124.
- Sisk, Matthew L., Royer, Danielle F.**, and Carlson, Kristian J. (2005) Recent developments in paleoanthropology. *Evolutionary Anthropology* 14(6):205-206.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Anemone RL, **Grossman, A.**, Miller ER, and Watkins R.T. (2005) Biochronology and Paleoecology of the Buluk Fauna, Early Miocene of Northern Kenya. *Journal of Vertebrate Paleontology* 25:32A.
- Arrigo-Nelson, S.J.** and Randriamahaleo, S.I. (2006) The impact of habitat disturbance on sifaka resource distribution and abundance within Ranomafana National Park, Madagascar. *21st Congress International Primatological Society*. Entebbe, Uganda.
- Arrigo-Nelson, S.J., Irwin, Mitchell**, and Ratelolahy, F. (2006) Rainforest sifakas: Yesterday, Today, and Tomorrow. *Folia Primatologica. 21st Congress International Primatological Society*. Entebbe, Uganda.
- Arrigo-Nelson, S.J.**, Sampson K., Clarke, T., DeCamp, R., Foster-Mann, N., Kwofie, P., Meilicke, P., and Wright, P.C. (2006) Coping with habitat disturbance: Activity patterns of Milne-Edwards sifakas in Ranomafana National Park, Madagascar. *75th Annual Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.

- Baden, Andrea L.,** Wright P.C., Louis E.E., and Brenneman R.A. (2006) Genetic diversity of the black-and-white ruffed lemur (*Varecia variegata*) in Ranomafana National Park, Madagascar. *Molecular Primatology Conference: Progress and Promise*. New York, NY.
- Baden, Andrea L.,** Wright, P.C., Louis, E.E., and Brenneman, R.A. (2006) Population density and genetic diversity of the black-and-white ruffed lemur (*Varecia variegata*) in Mangevo, Madagascar. *75th Annual Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Banks, Matthew.** (2006) Environmental variation, population levels and safeguarding a critically endangered primate species, *Propithecus perrieri*, in northern Madagascar. *The 21st Congress of the International Primatological Society*. Entebbe, Uganda.
- Banks, Matthew.** (2005) Lancement du programme d'étude et de conservation du Propithecus de Perrier à Madagascar par le, (Launching of the Research and Conservation Program for the Perrier's Sifaka in Madagascar by the Research Group for the Primates of Madagascar). Monaco/Principauté de Monaco.
- Beyin, Amanuel,** and Shea, J. (2005) Preliminary results of surface reconnaissance for Paleolithic sites along the Red Sea coast of Eritrea. *The 12th Congress of the Pan African Archaeological Association for Prehistory and Related Studies (PAA)*. Gaborone, Botswana.
- Beyin, Amanuel.** (2005) Evidence for Middle Stone Age cultures on the Buri Peninsula and Gulf of Zula, Red Sea Coast of Eritrea. *The Middle Stone Age of East Africa and Modern Human Origins Conference*. Nairobi, Kenya.
- Boyer, D.M., **Patel, Biren A.,** Larson, S.G., and Stern Jr., J.T. (2006) Electromyography of peroneus longus in *Varecia variegata* and *Eulemur rubriventer* help in grasping primate origins. *75th Annual Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Coleman, M.N.** (2006) Predicting auditory sensitivity from ear morphology in primates. *American Association of Physical Anthropologists 74th Annual Meeting*. Anchorage, AK.
- Deppe, Anja M.** (2005) Snake recognition in wild brown mouse lemurs (*Microcebus rufus*). American Society of Primatologists, Portland, OR.
- Derby, Abigail,** and Di Fiore, Anthony. (2005) How ecology affects demography and behavior in two populations of red howler monkeys (*Alouatta seniculus*) in Yasuni N.P., Ecuador. *American Society of Primatologists*. Portland, OR.
- El Zaatari, Sireen.** (2006) Dietary habits of the Ipiutak and Tigara populations from Point Hope: an occlusal molar microwear analysis. *American Association of Physical Anthropologists*. Anchorage, AK.
- Erb, Wendy.** (2006) Patterns and variation in long-distance communication of simakobu monkeys (*Simias concolor*) on Siberut Island, Indonesia - a pilot study. *American Journal of Physical Anthropology. 75th Annual Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Ericson, K.E., Patel, Biren A., and Gilbert, Christopher C.** (2005). Phylogenetic utility of cervical vertebral morphology in Cercopithecoidea primates. *65th Annual Meeting of the Society of Vertebrate Paleontology*. Phoenix Marriott Mesa. Phoenix, AZ.
- Fernández, Sobrado D.** (2006) *Do SK15 and SK45, from Swartkrans, South Africa, belong to the same species?* American Journal of Physical Anthropology Suppl. 42:88.
- Gilbert, Christopher C.,** Fleagle, J.G., and McGraw, W.S. (2006). Mangabeys and the fossil record. *21st Congress of the International Primatological Society*. Entebbe, Uganda.
- Hirsch, Ben.** (2005) Spoiled Brats: An extreme form of juvenile dominance in the ring-tailed coati (*Nasua nasua*). Meeting of the Animal Behavior Society. Snowbird, UT.
- Hirsch, Ben.** (2005) Social foraging in the ring-tailed coati (*Nasua nasua*); determinants of the finders share. 85th Meeting of the American Society of Mammalogists, Springfield, Missouri.

- Irwin, Mitchell**, and Raharison J.L. (2006) Dietary and behavioral flexibility facilitates survival of diademed sifakas (*Propithecus diadema*) in forest fragments - at least in the short term. Annual Meeting of the International Primatological Society, Entebbe, Uganda.
- Irwin, Mitchell**. (2006) Leaner diet, less energy: Diademed sifakas (*Propithecus diadema*) in forest fragments show reduced ranging and altered activity patterns. Annual Meeting of the American Association of Physical Anthropologists, Anchorage, AK.
- Irwin, Mitchell**. (2005) Living in forest fragments reduces group cohesion in diademed sifakas (*Propithecus diadema*) in eastern Madagascar, by reducing patch size of food resources. Annual Meeting of the American Society of Primatologists, Portland, OR.
- Kamilar, Jason M.**, Franz, T., Koenig, A., and Borries, C. (2005) How do ecological, demographic, and anthropogenic factors affect Hanuman langur (*Semnopithecus entellus*) social organization? 29th Meeting of the American Society of Primatologists. San Antonio, TX.
- Kamilar, Jason M.** (2006) How do environmental and historical effects shape primate communities? 75th Meeting of the American Association of Physical Anthropologists. Anchorage, AK.
- Kamilar, Jason M.** (2005) Environmental and historical effects on primate community structure. 5th Göttinger Freilandtage - Primate Diversity: Past, Present, and Future. Göttingen, Germany.
- Kamilar, Jason M.**, and **Patel, Biren A.** (2006) Ecological and behavioral correlates of fore- and hind-limb lengths in primates. Annual Meeting of the Society for Integrative and Comparative Biology. Orlando, FL.
- Koenig, Andreas, and **Wheeler, Brandon C.** (2005). Agonistic rates among female primates: do they indicate types of dominance relationships? 28th Annual Meeting of the American Society of Primatologists. Portland, OR.
- Leclercq, Bénédicte**, and Rakotondrazaka, Raymondine (2006). The Functional Literacy as a Tool for Environmental Education. *Regional Symposium: To be involved and committed in environmental education for sustainable development in the Indian Ocean*. Quatre Bornes, Republic of Mauritius.
- Leclercq, Bénédicte**. (2005) Launching the Global Environmental Facility (GEF) - Small Grants Programme (SGP) in Madagascar. *United Nations Development Programme (UNDP) COMPACT II (Community Management of Protected Areas Conservation Project) Workshop*. Arusha, Tanzania.
- Lodwick, J.**, Mongo, P., and Doran-Sheehy, D. (2006). Strength of within-group contest competition in female western gorillas at Mondika. *XXI Congress of the International Primatological Society*. Entebbe, Uganda.
- Martin, Sara**, and **Kamilar, Jason M.** (2006) The biogeography of Cercopithecini primates and its evolutionary implications. *American Association of Physical Anthropologists*. Anchorage, AK.
- Mayor, M.** (2006) A State of the Planet Address. Intel Science Fair. IN.
- Merwin, Daria**, and Flood, Roger. (2006) The Hudson River Shipwreck Inventory: 2004-2005 Field Work. *Middle Atlantic Archaeological Conference*. Virginia Beach, VA.
- Musto, N., **Deppe, Anja M.**, Randrianasolo, L., and Wright, P.C. (2005) Predation avoidance may affect habitat preference of the brown mouse lemur (*Microcebus rufus*) in Ranomafana National Park, Madagascar. American Society of Primatologists, Portland, OR.
- Noto, Christopher R., and **Grossman, A.** (2005) Dinosaur functional Morphology and Late Jurassic Ecological Diversity. *Journal of Vertebrate Paleontology* 25:97A.
- Olejniczak, A.J.**, and Martin, L.B. (2005) Micro-computed tomography of the post- canine dentition: methodological aspects of three-dimensional data collection. *Dental Perspectives on Human Evolution: State of the Art Research in Dental Anthropology*. Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

- Olejniczak, A.J.**, Smith, T.M., Tafforeau, P., Temming, H., and Hublin, J.-J. (2006) A comparison of microtomographic systems for the measurement of dental tissues. *American Association of Physical Anthropologists*. Anchorage, Alaska, USA.
- Ossi, Kerry M.**, Borries, C., and Koenig, A. (2006) First evidence for ecological risks among juvenile Phayre's leaf monkeys. *Annual Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Paciulli, L.M., and **Kamilar, Jason M.** (2006) Intrinsic and extrinsic factors predicting extinction risk at a fine taxonomic scale: The case of the colobine monkeys. *75th Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Patel, Biren A.**, and **Grossman, A.**, and Su, A. (2005) An Exact Randomization Study of Dental Shape Variability in Miocene hominoids. *Journal of vertebrate Paleontology* 25:100A.
- Patel, E.R.**, Anderson, J.D., **Irwin, Mitchell**, and Owren, M.J. (2005) Quantifying the vocal repertoire of wild adult diademed Sifakas (*Propithecus diadema diadema*) in Madagascar. *Annual Meeting of the American Society of Primatologists*, Portland, OR.
- Patel, Biren A.**, and Carlson, K.J. (2006) Hand postures reflect bone apparent density patterns in the primate distal radius. *75th Annual Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Pokempner, Amy.** (2006) Sex differences in daily travel in chimpanzees (*Pan troglodytes*) in Kibale National Park, Uganda. *21st Congress of the International Primatological Society*. Entebbe, Uganda.
- Pomerantz, J.M., Wade, S.E., **Irwin, Mitchell**, Glander, K.E., and Dollar, L.J. (2006) Health assessment of free ranging diademed sifakas (*Propithecus diadema*) in the Tsinjoarivo forest of Madagascar. *Annual Meeting of the International Primatological Society*. Entebbe, Uganda.
- Royer, Danielle F.**, Lockwood, C.A., and Grine, F.E. (2006) Mandibular size dimorphism in Middle and Late Pleistocene archaic human populations. *American Association of Physical Anthropologists*. Anchorage, AK.
- Samonds, K.E., Raharison, J.L., and **Irwin, Mitchell**. (2005) Quantifying the positional behavior repertoire of diademed sifakas (*Propithecus diadema*), and comparisons between continuous and fragmented habitats. *Annual Meeting of the American Society of Primatologists*. Portland, OR.
- Samonds, K.E., **Irwin, Mitchell**, and Raharison, J.L. (2006) Promoting coexistence of sifakas and humans at Tsinjoarivo, eastern Madagascar: The impact of grass-roots education and conservation projects. *Annual Meeting of the International Primatological Society*. Entebbe, Uganda.
- Scarry, Clara.** (2006) An assessment of the taxonomic validity of *Homo ergaster*. *American Association of Physical Anthropologists*. Anchorage, AK.
- Scirbona, J.**, and **Gilbert, Christopher C.** (2006). The Phylogenetic and Functional Utility of Mandibular Depth and Maxillary Height. *75th meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Sisk, Matthew L.**, **Patel, Biren A.**, and Carlson, K.J. (2006) Subchondral bone thickness in the distal radius: Implications for interpreting positional behaviors of fossil hominins. *2006 Annual Meeting of the Paleoanthropology Society*. San Juan, Puerto Rico.
- Sisk, Matthew L.**, and Shea, J.J. (2006) Spatial Structure of Middle Stone Age Sites from the Lower Omo Valley Kibish Formation (Ethiopia). *Annual Meeting of the Society for American Archaeology*. San Juan, Puerto Rico.
- Smith, T.M., Reid, D.J., Dean, M.C., **Olejniczak, A.J.**, Ferrell, R.J., and Martin, L.B. (2005) New perspectives on chimpanzee and human molar development. *Dental Perspectives on Human Evolution: State of the Art Research in Dental Anthropology*. Leipzig, Germany.

- Smith, T.M., **Olejniczak, A.J.**, Tafforeau, P., Grine, F.E., and Hublin, J-J. (2006) High resolution Microtomography of Middle Stone Age human molars from South Africa. *American Association of Physical Anthropologists*. Anchorage, Alaska.
- St. Clair, Elizabeth M.**, Krause, David W., and Boyer, Doug M. (2005) Pantodonts (Mammalia) from the early Tiffanian (Paleocene) of the Crazy Mountains Basin, Montana. *The 75th annual meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- St. Clair, Elizabeth M.** (2006) Sexual dimorphism in the pelvis of *Microcebus*. *The 75th annual meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Su, Anne.** (2005) Variability in the direction of substrate reaction forces in the locomotor repertoire of the primate *Lemur catta*. *XXth Congress of the International Society of Biomechanics, Presentation*. Cleveland, OH.
- Terranova, Pia, **Wheeler, Brandon C.**, **Gilbert, Christopher C.**, and Suarez, Scott A. (2005). Day range and home range assessments: a comparison of GPS and grid-based methods. *28th Annual Meeting of the American Society of Primatologists*. Portland, OR.
- Treatman-Clark, K.**, and Wright, P. (2005) Lemur Genital Anatomy, Clitoris Length. *American Association of Physical Anthropology Annual Meeting*. Milwaukee, WI.
- Varela, Alfredo.** (2005) The Ritual Life-Cycle of Japanese School Festivals. *16th Japan Anthropology Workshop-Hong Kong Conference*. The University of Hong Kong, Hong Kong.
- Varela, Alfredo.** (2005) Models and Mirrors: A review of field-study theory and methods for undergraduate research abroad. *SIT - Asian/Pacific Regional Workshop*. Northampton, MA.
- Varela, Alfredo.** (2006) Models and Mirrors II: Applying contemporary theories of ritual and seeing in the field. *SIT - Asian/Pacific Regional Workshop*. Suva, Fiji.
- Young, Jesse W.**, and **Patel, Biren A.** (2006) Do differences in body mass distribution determine symmetrical gait kinematics? *Annual Meeting of the Society for Integrative and Comparative Biology*. Orlando, FL.
- Young, Jesse W.**, and **Patel, Biren A.** (2005) Body mass distribution affects neither limb kinematics nor gait selection in the patas monkey (*Erythrocebus patas*). *Northeast Regional Meeting of the Division of Vertebrate Morphology (DVM), Society for Integrative and Comparative Biology (SICB)*. Cambridge, MA.
- Young, Jesse W.**, and Fernandez, David. (2006) Ontogeny of limb bone geometry and bone strength in an arboreal primate (*Cebus albifrons*). *Annual Meeting of the Society for Integrative and Comparative Biology*. Orlando, FL.
- Young, Jesse W.**, **Patel, Biren A.**, and Stevens, N. J. (2006). Body mass distribution, forelimb kinematics and gait selection in primates: an experimental test of an evolutionary hypothesis. *Annual Meeting of the American Association of Physical Anthropologists*. Anchorage, AK.
- Young, Jesse W.**, **Patel, Biren A.**, and **Stevens, N.J.** (2006). Do differences in body mass distribution determine symmetrical gait dynamics? *Annual Meeting of the Society for Integrative and Comparative Biology*. Orlando, FL.

❖ **Post-Doctorates Obtained and Professional Appointments**

- Irwin, Mitchell.** (2006) NSERC (National Science and Engineering Research Council) Postdoctoral Fellow. Department of Biology, *McGill University*, Montreal, Quebec, Canada.
- Olejniczak, A.J.** (2006) Post-Doctoral Researcher. Department of Human Evolution, *Max Planck Institute for Evolutionary Anthropology*. Leipzig, Saxony, Germany.

Anthropological Sciences

Leclercq, Bénédicte. (2005-2006) Project Manager (UNF/UNFIP/UNESCO Project: USD 500,000). World Heritage Centre, *United Nations Educational, Scientific and Cultural Organization (UNESCO)*. Madagascar.

Pokempner, Amy. (2005-2006) Research Associate. *Wildlife Conservation Society*. Bronx, NY.

Royer, Danielle F. (2006) Adjunct Professor of clinical anatomy. College of Health Related Professions (Occupational Therapy Program), *SUNY Downstate*, Brooklyn, NY.

Varela, Alfredo. (2005) Assistant Director. Asian/Pacific Studies, *School for International Training B Study Abroad*, Brattleboro, VT.

Young, Jesse W. (2006) Adjunct Professor. Department of Biology, *Hofstra University*, Hempstead, NY.

APPLIED MATHEMATICS AND STATISTICS

GRADUATE DIRECTOR: XIAOLIN LI
DEPARTMENTAL CHAIR: JAMES GLIMM

❖ Jointly Authored Publications/Research Reports/Reviews

- Cheng, B., Glimm, James, Sharp, D.H., and **Yu, Y.** (2005) A Multiphase Flow Model for the Unstable Mixing of Layered Incompressible Materials. *Phys. of Fluids* 17:087102.
- Dutta, S., George, E.,** Glimm, James, Grove, J., Jin, H., **Lee, T.,** Li, X., Sharp, D.H., Ye, K., **Yu, Y.,** Zhang, Y., and **Zhao, M.** (2005) Shock wave interactions in spherical and perturbed spherical geometries. *Nonlinear Analysis* 63:644-652.
- Dutta, S.,** Glimm, James, and Zhang, Y. (2005) {LES} Simulations of Turbulent Combustion in a Type {I} a Supernovae. *Astrophysical Journal* (submitted).
- George, E.,** and Glimm, James (2005) Self similarity of Rayleigh-Taylor mixing rates. *Phys. Fluids* 17:054101-054101.
- George, E.,** Glimm, J, Li, X.L., **Li, Y.,** and **Liu, X.F.** (2006) The influence of scale-breaking phenomena on turbulent mixing rates. *Physical Review E* 73(1):doi: 10.1103/PhysRevE.73.016304.
- Glimm, J, Grove, J.W., Kang, Y., **Lee, T.,** Li, X., Sharp, D.H., **Yu, Y.,** Ye, K., and **Zhao, M.** (2005) Errors in numerical solutions of spherically symmetric shock physics problems. *Cont Math* 371:163-179.
- Jin, H., **Liu, X.F., Lu, T.,** Cheng, B., Glimm, James, and Sharp, D.H. (2005) Rayleigh-Taylor mixing rates for compressible flow. *Physics of Fluids*, 17(2): doi: 10.1063/1.1843155.
- Bo, W.,** Cheng, B., **Du, J., Fix, B.,** George, E., Glimm, James, Grove, J., **Jia, Xicheng,** Jin, H., **Lee, H., Li, Y.,** Li, X., **Liu, X.F.,** Sharp, D.H., **Wu, L.,** and **Yu, Y.** (2005) Recent progress in the stochastic analysis of turbulent mixing. *Contemporary Mathematics* (submitted).
- Han, G.,** Deng, Y., Glimm, James, and **Martyna, G.J.** (2006) Error and timing analysis of symplectic multiple timestep integration methods for molecular dynamics. *Journal of Computational Physics* (under review).
- Liu, X.F., George, E., Bo, W.,** and Glimm, James (2005) Turbulent mixing with physical mass diffusion. *Phys. Rev. E.* 73(5): id. 056301.
- Liu, X.F., Li, Y.,** Glimm, James, and Li, X.L. (2006) A front tracking algorithm for limited mass diffusion. *Journal of Computational Physics* (submitted).
- Yu, Y., Zhao, M., Lee, T., Pestieau, N., Bo, W.,** Glimm, James, and Grove, J.W. (2005) Uncertainty quantification for chaotic computational fluid dynamics. *Journal of Computational Physics* 217(1):200-216.
- Lu, T.,** Samulyak, R., and Glimm, James. (2005) Direct Numerical Simulation of Bubbly Flows and its Applications. *Phys. Fluids Eng.* (submitted).
- Liu, Jinjie,** Glimm, James and Li, Xiaolin. (2006) A Conservative Front Tracking Method. *Hyperbolic Problems: Theory, Numerics, and Applications*. F. Asakura, H. Aiso, S. Kawashima, A. Matsumura, S. Nishibata, and K. Nishihara, Eds. Osaka, Japan: Yokohama Publishers: 57-62.
- Liu, Jinjie, Lim, Hyun-Kyung,** Glimm, James, and Li, Xiaolin. (2005) A Conservative Front Tracking Method in N-dimensions. *Journal of Scientific Computing* (submitted).
- Du, J., Fix, B.,** Glimm, James, **Jia, Xicheng,** Li, Xiaolin, **Li, Y.,** and **Wu, L..** (2006) A Simple Package for Front Tracking. *Journal of Computational Physics* 213(2):613 – 628.

- Ahn, H., Moon, H., **Fazzari, M.J., Lim, N.**, Chen, J. J., and Kodell, R.L. (2006) Classification by ensembles from random partitions of high-dimensional genomic data. *Journal of American Statistical Association* (submitted).
- Ahn, H., Moon, H., **Fazzari, M.J., Lim, N.**, Chen, J. J., and Kodell, R.L. (2006) Classification by ensembles from random partitions of high-dimensional genomic data. *Journal of American Statistical Association* (submitted).
- Massad, L.S., **Fazzari, M.J.**, Anastos, K., Klein, R.S., Minkoff, H., Jamieson, D.J., Duerr, A., Celentano, D., Gange, S., Cu-Uvin, S., Young, M., Watts, H.D., Levine, A.M., Schuman, P., Harris, T.G., and Strickler, H.D. (2006) Outcomes after treatment of cervical intraepithelial neoplasia among women with human immunodeficiency virus. *Obstetrics and Gynecology* (submitted).
- Batbayar K, Thompson, R., Ye, K., **Fazzari, M.J.**, Suzuki, M., Stasiek, E., Figueroa, M.E., Glass, J., Chen, Q., Montagna, C., Hatchwell, E., Selzer, R.R., Richmond, T.A., Green, R.D., Melnick, A., and Greally, J.M. (2006) Comparative isoschizomer profiling of cytosine methylation: the HELP assay. *Genome Research* (provisionally accepted).
- Greally, J.M., and **Fazzari, M.J.** (2005) Bioinformatics and the identification of imprinted genes in mammals. *Genomics, Proteomics and Bioinformatics. Wiley Interscience 1*: Section 3.
- Barber, E.M., **Fazzari, M.J.**, and Pollard, J.W. (2005) Th1 Cytokines are essential for placental immunity to listeria monocytogenes. *Infection and Immunity* 73(10):6322-6331.
- Schlecht, N.F., Burk, R.D., Palefsky, J.M., Minkoff, H., Xue, X., Massad, L.S., Bacon, M., Levine, A.M., Anastos, K., Gange, S.J., Watts, H.D., Da Costa, M., Chen, Z., Bang, J.Y., **Fazzari, M.J.**, Hall, C., and Strickler, H.D. (2005) Variants of human papillomaviruses 16 and 18 and their natural history in human immunodeficiency virus-positive women. *J. Gen Virol* 86:2709-2720.
- Sparano, J., **Fazzari, M.J.**, and Childs, J. (2005) Clinical application of molecular profiling in breast cancer. *Future Oncology 1*(4):485-496.
- Strickler, H.D., Burk, R.D., **Fazzari, M.J.**, Anastos, K., Minkoff, H., Massad, L.S., Hall, C., Bacon, M., Levine, A.M., Watts, D.H., Silverberg, M.J., Xue, X., Schlecht, N.F., Melnick, S., and Palefsky, J.M. (2005) Natural history and possible reactivation of human papillomavirus in human immunodeficiency virus-positive women. *J Natl Cancer Inst.* 97(8):577-86.
- Watts, D.H., **Fazzari, M.J.**, Minkoff, H., Hillier, S.L., Sha, B., Glesby, M., Levine, A.M., Burk, R., Palefsky, J.M., Moxley, M., Ahdieh-Grant, L., and Strickler, H.D. (2005) Effects of bacterial vaginosis and other genital infections on the natural history of human papillomavirus infection in HIV-1-infected and high-risk HIV-1-uninfected women. *J Infect Dis.* 191(7):1129-39.
- Fazzari, M.J.**, and Greally J.M. (2004). Epigenomics: Beyond CpG Islands. *Nature Reviews Genetics* 5:446 – 455.
- de Carvalho, Aguiar P., **Fazzari, M.J.**, Jankovic, J., and Ozelius, L.J. (2004) Examination of the SGCE gene in Tourette syndrome patients with obsessive-compulsive disorder. *Mov Disord.* 19(10):1237-8.
- Shuter, J., and **Fazzari, M.J.** (2004) Patient Predictions Correlate with Actual CD4+ Lymphocyte and HIV-1 Viral Load Changes in an Urban, HIV-infected Clinic Population. *AIDS patient care and STDs* 18(9):520-6.
- Kim, W.**, Ahn, H., and Moon, H. (2006) A dose-response test via closed-form solutions for constrained MLEs in survival/sacrifice experiments. *Statistics in Medicine* (in press).
- Dror, M., Lee, Y., Orlin, J., and **Polishchuk, V.** (2006) The TSP and the Sum of Its Marginal Values. *International Journal of Computational Geometry and Applications* 16(4):333-344.
- Prodanovic, M.**, Lindquist, W.B., and Seright, R.S. (2005) Porous structure and fluid partitioning in polyethylene cores from 3D X-ray microtomographic imaging. *J Colloid Interf Sci* 298(1):282-97.

- Seright, R.S., **Prodanovic, M.**, and Lindquist, W.B. (2006) X-ray computed microtomography studies of fluid partitioning in drainage and imbibition before and after gel placement: disproportionate permeability reduction. *SPE Journal* 11(2):159-170.
- Prodanovic, M.**, Lindquist, W.B., and Seright, R.S. (2005) 3D Image-based characterization of fluid displacement in a Berea core. *Advances in Water Resources* (in press).
- Feinberg, E.A., and **Curry, M.T.** (2005) Generalized Pinwheel Problem. *Mathematical Methods of Operations Research* 62:99-122.
- Feinberg, E.A., and **Genethliou, D.** (2005) Load Forecasting. *Applied Mathematics for Restructured Electric Power Systems: Optimization, Control, and Computational Intelligence*. J. H. Chow, F.F. Wu, and J.J. Momoh, Eds. New York, NY: Springer: 269-285.
- Fan-Orzechowski, X.**, and Feinberg, E.A. (2006) Optimality of Randomized Trunk Reservation for a Problem with a Single Constraint. *Advances in Applied Probability* 38:199-220.
- Fan-Orzechowski, X.**, and Feinberg, E.A. (2005) Optimality of Randomized Trunk Reservation for a Problem with Multiple Constraints. *Prob. Eng. Inf. Sci.* (submitted).
- Fan-Orzechowski, X.**, and Feinberg, E.A. (2005) Optimal Admission Control for a Markovian Queue under the Quality of Service Constraint. *Proceedings of the 44th IEEE Conference on Decision and Control, and the European Control Conference*. Seville, Spain: IEEE Xplore. 1729-1734.
- Sung, H.**, Finch, S.J., **Ye, K.Q.**, and Mendell, N.R. (2005) A Gene-Model Free Method for Linkage Analysis of a Disease Related Trait Based on Analysis of Proband-Sib Pairs. *BMC Genetics* 6(Suppl. 1): S47.
- Duan, T., Finch, S.J., **Ye, K.Q.**, **Chase, G.**, and Mendell, N.R. (2005) Using Mixture Models to Characterize Disease Related Traits. *BMC Genetics* 6 (Suppl. 1):S99.
- Yoon, S.**, Suh, Y.J., Mendell, N.R., and **Ye, K.Q.** (2005) A Bayesian Approach for applying Haseman-Elston Methods. *BMC Genetics* 6(Suppl. 1):S39.
- Li, J.**, Zhan, J., Tsui, W.H., Boppana, M., Pupi, A., and de Leon, M.J. (2006) Visual rating of medial temporal lobe metabolism in mild cognitive impairment and Alzheimer's disease using FDG-PET. *Eur J Nucl Med Mol Imaging* 33(2):210-21.
- de Leon, M.J., DeSanti, S., Zinkowski, R., Mehta, P.D., Pratico, D., Segal, S., Rusinek, H., **Li, J.**, Tsui, W., Saint Louis, L.A., Clark, C.M., Tarshish, C., Li, Y., Lair, L., Javier, E., Rich, K., Lesbre, P., Mosconi, L., Reisberg, B., Sadowski, M., DeBernadis, J.F., Kerkman, D.J., Hampel, H., Wahlund, L.O., and Davies, P. (2006) Longitudinal CSF and MRI biomarkers improve the diagnosis of mild cognitive impairment. *Neurobiol Aging* 27(3):394-401.
- Li, Y., **Li, J.**, Segal, S., Wegiel, J., De Santi, S., Zhan, J., and de Leon, M.J. (2006) Hippocampal cerebrospinal fluid spaces on MR imaging: Relationship to aging and Alzheimer disease. *AJNR Am J Neuroradiol* 27(4):912-8.
- Mosconi, L., Tsui, W.H., De Santi, S., **Li, J.**, Rusinek, H., Convit, A., Li, Y., Boppana, M., and de Leon, M.J. (2005) Reduced hippocampal metabolism in MCI and AD: automated FDG-PET image analysis. *Neurology* 64(11):1860-7.
- Volkow, N.D., Wang, G.J., **Ma, Y.**, Fowler, J.S., Wong, C., Ding, Y.S., Hitzemann, R., Swanson, J.M., and Kalivas, P. (2005) Activation of orbital and medial prefrontal cortex by methylphenidate in cocaine-addicted subjects but not in controls: relevance to addiction. *J Neurosci.* 25(15):3932-9.
- Wang, X.**, Zhu, W., **Pradham, K.**, **Ji, C.**, **Ma, Y.**, Semmes, O.J., Glimm, J., and Mitchell, J. (2006) Feature extraction in the analysis of proteomic mass spectra. *Proteomics* 6(7):2095-2100.
- Kim, J.**, Zhu, W., Chang, L., Benter, P., and Ernst, T. (2006) A Unified Structural Equation Modeling Approach for the Analysis of Multi-Subject, Multivariate Functional MRI Data. *Human Brain Mapping* (in print).

- Mosconi, L., De Santi, S., Li, Y., **Li, J.**, Zhan, J., Tsui, W.H., Boppana, M., Pupi, A., and de Leon, M.J. (2006) Visual rating of medial temporal lobe metabolism in mild cognitive impairment and Alzheimer's disease using FDG-PET. *Eur J Nucl Med Mol Imaging* 33(2):210-21.
- Kim, J.**, Zhu, W., Chang, L., Benter, P., and Ernst, T. (2006) A Unified Structural Equation Modeling Approach for the Analysis of Multi-Subject, Multivariate Functional MRI Data. *Human Brain Mapping* (in press).
- Rissland, P.**, and Deng, Y. (2005) Global Communication for Untrascable Super Computers. *Parallel Computing* (submitted).
- Rissland, P.**, and Deng, Y. (2006) MDoC: A molecular dynamics package for QCDOC. *Parallel Computing* (submitted).
- Han, G.**, Deng, Y., Glimm, J., and **Martyna, G.J.** (2006) Error and Timing Analysis of Multiple Time-step Integration Methods for Molecular Dynamics. *Journal of Computational Physics* (submitted).
- Fang, B.**, and Deng, Y. (2005) Parallel FFT pm QCDOC supercomputer, *SIAM J. Sci. Comp.* (submitted).
- Chen, X.**^a, and Deng, Y. (2005) Long-Time Molecular Dynamics Simulations of Botulinum Biotoxin Type-A at Different pH Values and Temperatures. *J. Mol. Modeling* (submitted).
- Ji, X.** (2006) A Note on the Convergence of a Finite Element Method for Linear Scalar Conservation Laws with Boundary Conditions in one-dimensional Space. *Journal of Beijing University of Technology* (in press).
- Ji, X.**, Huang, Z., and Qi, K. (2006) An Explicit Finite Element Scheme for Systems of Conservation Laws and Its Applications. *Journal of Beijing University of Technology* (in press).
- Kang, Yeona**, Jaen, Enrique, and Fortmann, C.M. (2006) Einstein relations for energy Coupled particle systems. *Appl. Phys. Lett.* 8:112110.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Fix, B.** (2006) Introduction to FronTier-Lite under *TSTT, TSTT Tutorial*, San Francisco, CA.
- Arkin, E., Bender, M., Mitchell, J.S.B., and **Polishchuk, V.** (2006) The Snowblower Problem, *Workshop on the Algorithmic Foundations of Robotics* (submitted).
- Mitchell, J.S.B., **Polishchuk, V.**, and Krozel, J. (2006) Airspace Throughput Analysis Considering Stochastic Weather. *AAAA Guidance, Navigation, and Control Conference*. Keystone, CO (accepted).
- Mitchell, J.S.B., and **Polishchuk, V.** (2006) Thick Non-Crossing Paths and Min-Cost Flows in Polygonal Domains. *Abstracts of the Fall Workshop on Computational Geometry and Visualization*, Philadelphia, PA.
- Polishchuk, V.**, and Mitchell, J.S.B. (2005) k-Link Rectilinear Shortest Paths Among Rectilinear Obstacles in the Plane. *Proc. 17th Canadian Conference on Computational Geometry*. Windsor, ON: University of Windsor: 101-104.
- Polishchuk, V.**, and Mitchell, J.S.B. (2005) Touring Convex Bodies - A Conic Programming Solution, *Proc. 17th Canadian Conference on Computational Geometry*. Windsor, ON: University of Windsor: 290-293.
- De Santi, S., **Li, Juan**, Reisberg, B., Notkin-Schwab, R., Rogers, K., Williams, S., Tierney, M., Ferris, S., de Leon, M.J. (2005) How Good are Single and Multiple Domains for Characterizing MCI Patients at Risk. *AD Alzheimer's Association International Conference on Prevention of Dementia*. Washington, DC.

- Wielopolski, Lucian, Mitra, Sudeep, Doron, Oded, and **Zhang, Yue**. (2006) Soil Carbon Analysis by Inelastic Neutron Scattering. *Emerging Modalities for Soil Carbon Analysis: Sampling Statistics and Economics Workshop*. Upton, NY.
- Wielopolski, Lucian, Mitra, Sudeep, **Zhang, Yue**, Torbert, A., and Prior, R. (2006) Soil Carbon Analysis in Large Fields Using a Scanning System. *Emerging Modalities for Soil Carbon Analysis: Sampling Statistics and Economics Workshop*. Upton, NY.
- Zhang, Guangxiang**, and Chen, John J. (2006) Simple and Efficient Inferences of Generalized Concordance Correlation. *15th annual ICSA Applied Statistics Symposium*. Storrs, CT.
- Sung, H., Finch, S.J., **Ye, K.Q.**, and Mendell, N.R. (2005) Power Calculations for a Genetic-Model Free Method for Linkage Analysis of a Disease Related Trait. *International Genetic Epidemiology Society 14th annual meetings*. (poster presentation)
- Mukherjee, Sudipto**. (2005) Building a Docking Test Set. *Stony Brook University Joint Group Meeting in Structural Biology*. Stony Brook, NY.
- Bentley, Stroockbine**. (2005) Docking and MD Studies of GP41. *Stony Brook University Symposium on New Horizons in Organic Chemistry*. Stony Brook, NY.
- Bentley, Stroockbine**. (2006) Docking Studies of HIV GP41. *Stony Brook University Joint Group Meeting in Structural Biology*, Stony Brook, NY.
- Mukherjee, Sudipto, Carrascal, Noel**, and Rizzo, Robert C. (2005) Test Set for Validating Dock Scoring Functions. *New York Structural Biology Discussion Group Summer Meeting*, Cold Spring Harbor, NY. (poster presentation)
- Bentley, Stroockbine, Carrascal, Noel, Mukherjee, Sudipto**, and Rizzo, Robert C. (2005) Docking and MD Studies of GP41. *New York Structural Biology Discussion Group Summer Meeting*. Cold Spring Harbor, NY. (poster presentation)
- Mukherjee, Sudipto, Carrascal, Noel**, and Robert C. Rizzo. (2005) Test Set for Validating Dock Scoring Functions. *Stony Brook University Symposium on New Horizons in Organic Chemistry*. Stony Brook, NY. (poster presentation)
- Bentley, Stroockbine, Carrascal, Noel, Mukherjee, Sudipto**, and Robert C. Rizzo. (2005) Docking and MD Studies of GP41. *Stony Brook University Symposium on New Horizons in Organic Chemistry*. Stony Brook, NY. (poster presentation)
- Liu, Jinjie**, Glimm, James, and Li, Xiaolin. (2005) A Conservative Front Tracking Method. *HMC Mathematics Conference on Scientific Computing*. Claremont, CA.
- Kang, Yeona**. (2005) Research Workshop and Summer School - MBI(*Mathematical Biosciences institute*) *Microarray Gene Expression Data Analysis*, OSU, OH.
- Kang, Yeona**, Fortmann, C.M., Jaen, E.L., and Coleman, J.H. (2006) A constrained kinetic approach to fast algorithms for the protein folding dynamic. *Gordon Conference on Protein Folding Dynamics*. Ventura, CA.
- Kang, Yeona**. (2006) Summer school in McGill University. *System Biology Dynamic from Genes to Organism*.
- Kang, Yeona**, and Fortmann, Charles M. (2006) Einstein Relation Approach to Protein Folding (Talk). *SIAM Annual Meeting*. Boston, MA.
- Manu, Manu**, Spirov, Alexander V., Vanario-Alonso, Carlos E., Janssens, Hilde, and Reinitz John. (2005) A model for the accuracy of Hunchback anterior border. *Applied Mathematics and Statistics, and Center for Developmental Genetics*. Stony Brook, NY.

ART

GRADUATE DIRECTOR: MICHELE BOGART

DEPARTMENTAL CHAIR: MEL PEKARSKY

❖ Grants, Fellowships, and Awards

- Bagshaw, Amy.** (2006). President's Award for Teaching Excellence for a Graduate Teacher. \$500. *Stony Brook University*, Stony Brook, NY.
- English, Travis.** (2006) Edythe Portz Prize, \$250. *University of Pittsburgh*, Pittsburgh, PA.
- Frabetti, Alton.** (2006) Provost Office Art Incentive Award, \$500. *Provost Office*, Stony Brook University, NY.
- Frabetti, Alton.** (2006) Special Recognition, 8th Annual Judeo-Christian International Online Juried Art Exhibition. *Upstream People Gallery*, Online.
- Frabetti, Alton.** (2005) Third Place, Annual Juried Show. *Gallery 4222*, Port Jefferson, NY.
- Frabetti, Alton.** (2005) TAsip, Writing Program. *Stony Brook University*, Stony Brook, NY.
- Gasparavicius, Gediminas.** (2005) Lithuanian Foundation Inc. Scholarship. \$2000. *Lithuanian Foundation Inc.*, Lemont, IL.
- Ide, Takafumi.** (2006) Dialogues Across Differences, \$250. *SUNY Stony Brook University*, Stony Brook, NY.
- Lee, Ha Na.** (2006) Dialogues Across Differences, \$250. *SUNY Stony Brook University*, Stony Brook, NY.
- Liboiron, Max Nichole.** (2005-06) Goldberger Fine Arts Award. *SUNY Stony Brook*, Stony Brook, NY.
- Macchiavello, Carla.** (2006) Fondo concursable de la Dirección de Asuntos Culturales de la Cancillería (DIRAC), \$8,500. *Dirección de Asuntos Culturales de la Cancillería, Ministerio de Relaciones Exteriores de Chile*, Santiago, Chile.
- Macchiavello, Carla.** (2006) Dialogues Across Differences Grant, \$650. *Office of Diversity and Affirmative Action, SUNY at Stony Brook*, NY.
- Marinelli, Amy.** (2006) Provost's Office Art Prize, \$500. *Office of the Provost, SUNY Stony Brook*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- English, Travis.** (2006) Historical Exegesis: Otto Dix's Allegories from the Third Reich. *Pittsburgh Undergraduate Review* (in press).
- Gasparavicius, Gediminas.** (2005) Angels and Insects: the Art of Sibylle Peretti. *Glass Quarterly* 99:30-37.
- Hellstein, Valerie.** (2006) Robert Motherwell. *Blanton Museum of Art: American Art since 1900*. A. Carlozzi, and K. Baum, Eds. Austin, TX: Blanton Museum of Art, The University of Texas at Austin.
- Hellstein, Valerie.** (2006) Milton Resnick. *Blanton Museum of Art: American Art since 1900*. A. Carlozzi, and K. Baum, Eds. Austin, TX: Blanton Museum of Art, The University of Texas at Austin.

- Ide, Takafumi.** (2005) 3.75oz. *MFA First-Year Exhibition XXVI*(14). Stony Brook, NY: Stony Brook University.
- Ide, Takafumi.** (2005) Wang Center Exhibits Peace Through Artwork. *Statesment XLIX* 22. Stony Brook, NY: Stony Brook University.
- Lee, Ha Na.** (2005) Wang Center Exhibits Peace Through Artwork. *Statesment XLIX* 22. Stony Brook, NY: Stony Brook University.
- Liboiron, Max Nichole.** (2006) Max Liboiron: Transformations. *ATC Quarterly Summer*(3):5-7.
- Macchiavello, Carla.** (2005) Toward the New Spiritual in Art: The Art of Blinky Palermo and Imi Knoebel. *Art Criticism (Special Issue: Post-War German Art)* 19(2):38-55.
- Modigliani, Leah.** (2005) Arte Contemporaneo, Colgado de Una Hilo. *El Nueva Herald*. A. Herrera, Ed.
- Modigliani, Leah.** (2005) Sorry State of Affairs. *The Chronicle Herald*. E. Barnard, Ed.
- Modigliani, Leah.** (2005) Great Escape. *The Coast*. S.C. Flinn, Ed.
- Modigliani, Leah.** (2005) Social Construction. *SF Weekly*. S. Mizota, Ed.
- Peariso, Craig.** (in press) Commercials for the Revolution: 'Movement Celebrities' and the Theatricality of Protest. *Untitled*. K. Hart, Ed.
- Peariso, Craig.** (in press) Homosexualité. *Dictionnaire mondial des Images*. L. Gervereau, Ed. Paris, France: Nouveau Monde/Gallimard.
- Van Scoy, Susan.** (2005) Robert Gober: From Reality to Restitution. *Art Criticism* 20(1):63-77.

❖ Jointly Authored Publications/Research Reports/Reviews

- Mar, Gary, Diskin-Zimmerman, Dini, Yee, Chris, **Ide, Takafumi**, St. Denis, Paul, and Ding, Loni. (2005-2006) Abetting Hate Abating Hate. *Workshop 3, Conference on Prejudice Reduction: November 2005*. DVD. New York: The Asian American Center and Stony Brook University.
- Mar, Gary, Diskin-Zimmerman, Dini, **Ide, Takafumi**, and St. Denis, Paul. (press for consideration) Noam Chomsky : On Chomsky, Language, Mind, And Freedom. *The Stony Brook Interviews*. DVD. New York: Oxford University Press.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Bagshaw, Amy.** (2006). *De-Threading Femininity: Visual Reflections of the Self*. *Graduate Art Department Colloquium*. Stony Brook, NY.
- Gasparavicius, Gediminas.** (2006). The Socio-Cultural Impulse of Neue Slowenische Kunst: Between Transgression and Candidness. *College Art Association 94th Annual Conference*. Boston, MA.
- Macchiavello, Carla.** (2005) A través del espejo: la obra de video de Juan Downey. *XVII Seminario de Apreciación de Arte Contemporáneo*. Madrid, Spain.
- Peariso, Craig.** (2005) Images of Opposition: Abbie Hoffman and the Performance of Resistance. *Invited Lecture, University of Connecticut*, Storrs, Connecticut.
- Peariso, Craig.** (2005) Commercials for the Revolution: 'Movement Celebrities' and the Theatricality of Protest. *Media Stardom*. Plymouth, New Hampshire.
- Peariso, Craig.** (2006) Re/Citing: Stereotypes and Opposition. *Race, Roots, and Resistance: Revisiting the Legacies of Black Power*. Champaign, IL.

❖ **Curatorial Appointments**

- Frabetti, Alton.** (2006) Assistant Curator, A Mantra for Peace. *Charles B. Wang Center*, Stony Brook University, NY.
- Frabetti, Alton.** (2006) Curator, Unbound. *Shirley Strum-Kenny Student Arts Festival*, Stony Brook University, NY.
- Liboiron, Max Nichole**, and Maher, T.J. (2005) The Diagram and Scribble Archive. *SAC Gallery*, Stony Brook, NY.
- Macchiavello, Carla.** (2006) A Mantra for Peace, *Wang Center, SUNY at Stony Brook*, Stony Brook, NY.
- Marinelli, Amy.** (2005-2006) Living Works: Paintings, Prints and Tintypes by Four MFA Students at Stony Brook. *The Tasting Room*, Jamesport, NY.

❖ **Exhibitions/Performances**

- Bagshaw, Amy.** (solo) Mixed Media Paintings, *Strut Gallery*, Strut Menswear, Soho New York City, NY, 2006.
- Bagshaw, Amy**, Liboiron, M., Grozinsky, D., and Hiraoka, F. (Group) MFA Thesis Exhibit, *Staller University Art Gallery*, Stony Brook, NY, 2006.
- Frabetti, Alton.** (Group) Art Healing Space II: Seeing Through Sixty Years. *Stony Brook University*, NY, 2006.
- Frabetti, Alton.** (Group) Art Healing Space III: A Mantra For Peace. *Stony Brook University*, NY, 2006.
- Frabetti, Alton.** (Group) Juried Group Show. *Gallery 4222*, Port Jefferson, NY, 2005.
- Frabetti, Alton.** (Group) Portrait of the Self. *Gallery 4222*. Port Jefferson, NY, 2006.
- Muhki, Dr. Sunita S., and **Frabetti, Alton.** (Performance) The Happy Prince. *Symphony Space*, New York, NY, 2006.
- Frabetti, Alton.** (Solo) Trisagion. *Library Gallery*, Stony Brook University, NY, 2006.
- Frabetti, Alton.** Trisagion. 8th Annual Judeo-Christian International Online Juried Art Exhibition. *Upstream People Gallery* (online).
- Frabetti, Alton.** (Group) Winter Works III. *Gallery 4222*. Port Jefferson, NY, 2005.
- Ide, Takafumi.** (solo) Revive. *Melville Library Gallery*, Stony Brook, NY, 2006.
- Ide, Takafumi.** (group / 50 artists) Struggle: anchor. *Islip Art Museum*, Islip, NY, 2005.
- Lee, Ha Na.** (group / 4 artists) Stain (Opening performance): Distension III and IV. *Gallery JungMi-So*, Seoul, South Korea, 2006.
- Lee, Ha Na.** (group/ 4 artists) Media Parade in Japan Drowning, Decaying and Vestiges *Ikejiri Institute of Design*, Setagaya, February 2006.
- Lee, Ha Na.** (group/ 4 artists) Space Project 1: Pulling. *Melville Library Gallery*, Stony Brook, New York, 2006.
- Liboiron, Max Nichole.** (solo) Art on the Barge, Nature on the Banks. *Barbara Ann Levy Gallery*, Cherry Grove, NY, 2005.
- Liboiron, Max Nichole.** (group) New Prints: Winter 2006. *International Print Center New York*, New York, NY, 2006.
- Liboiron, Max Nichole.** (group) Tiny Is Good. *Art at Large*, New York, NY, 2006.

- Liboiron, Max Nichole.** (group) Night of 1,000 Drawings. *Artist's Space*, New York, NY, 2005.
- Liboiron, Max Nichole.** (group) International Winter Salon Invitational. *Stone Metal Press*, San Antonio, TX, 2005.
- Liboiron, Max Nichole.** (group) Over the Top, Under the Rug. *The Shore Institute of Contemporary Art*, Long Branch, NJ, 2005.
- Liboiron, Max Nichole.** (group) *Projekt30: March*, online juried exhibition, 2006.
- Liboiron, Max Nichole.** (group) Winter Invitational. *Art at Large*, New York, NY, 2006.
- Marinelli, Amy.** (group collaboration with artist Jenny Perlin) Possible Models: New Work by Jenny Perlin. *Ulrich Museum of Art at Wichita State University*, Wichita, KS, 2005.
- Marinelli, Amy.** (group) Postcards from the Edge. *Robert Miller Gallery*, New York, NY, 2005.
- Marinelli, Amy.** (group) Seeing Through Sixty Years: Art Healing Space II. *Wang Center, SUNY Stony Brook*, Stony Brook, NY, 2005.
- Modigliani, Leah.** (group). Hanging by a Thread, *Moore Space*, Miami, FL, 2005.
- Modigliani, Leah.** (group). Social Construction, *Southern Exposure*, San Francisco, CA, 2005.
- Modigliani, Leah.** (group) Taking Shape. *Rena Bransten Gallery*, San Francisco, CA, 2005.
- Modigliani, Leah.** (solo). The Great One, *St. Mary's University Art Gallery*, Halifax, NS, Canada, 2005.

❖ **Commission Art Work**

- Ide, Takafumi.** (2005-2006) Long Island Horizon. *PSC6 Selden Police Department*, Selden, NY.

BIOCHEMISTRY AND STRUCTURAL BIOLOGY

GRADUATE DIRECTOR: ROBERT HALTIWANGER

CHAIRPERSON: WILLIAM J. LENNARZ

❖ Grants, Fellowships, and Awards

Rafi, Salma Banu. (2005) Division of Medicinal Chemistry Travel Grant. \$600. *American Chemical Society, Division of Medicinal Chemistry*, Washington, DC.

❖ Jointly Authored Publications/Research Reports/Reviews

Baessler, K., Lee, Y., Roberts, K., Facompre, N., and Sampson, N. (2006) Multivalent Fertilin β Oligopeptides: The Dependencies of Fertilization Inhibition on Length and Density. *Chem. Biol.* 13(3):251-259.

Baessler, K., Lee, Y., and Sampson, N. (2005) ROMP of norbonyl oligopeptides: A versatile synthetic method for exploring receptor topology. *Understanding Biology Using Peptides*. S. Blondelle, Ed. American peptide Society: 59-60.

Chen, Z., Yakubovskaya, E., Carrodegaus, A., Kisker, C., and Bogenhagen, D. (2006) Functional Human Mitochondrial DNA Polymerase γ Forms a Heterotrimer. *J. Biol. Chem.* 281(1):374-382.

Luo, Yi, Koles, K., Vorndam, W., Haltiwanger, R., and Panin, V. (2006) Two distinct pathways for O-fucosylation of epidermal growth factor-like or thrombospondin type 1 repeats. *J. Biol. Chem.* 281:9385-9392

Luo, Yi, Koles, K., Vorndam, W., Haltiwanger, R., and Panin, V. (2006) Protein O-fucosyltransferase 2 adds O-fucose to thrombospondin type 1 repeats. *J. Biol. Chem.* 281:9393-9

Connelly, J., Yuan, P., Hsu, H., Li, Z., Xu, R., and Sternglanz, R. (2006) Structure and function of the Sir3 BAH domain. *Mol. Cell. Biol.* 24:3256-3265.

Tian, G., Xiang, S., Noiva, R., Lennarz W.J., and Schindelin, H. (2006) The Crystal Structure of Yeast Protein Disulphide Isomerase Suggests Cooperativity between its Active Sites. *Cell* 124(1):61-73.

Wickstrom, L., Okur, A., Song, K., Hornak, V., Raleigh, D.P., and Simmerling, C. (2006) The Unfolded State of the Villin Headpiece Helical Subdomain: Computational Studies of the Role of Locally Stabilized Structure. *J. Mol. Biol.* 360(5):1094-107.

Okur, A., **Wickstrom, L.,** Layten, M., Geney, R., Song, K., Hornak, V., and Simmerling, C. (2006) Improved Efficiency of Replica Exchange Simulations through the Use of a Hybrid Explicit/Implicit Solvation Model. *J. Chem. Theory Comput.* 2(2): 420-431.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Baessler, K., Lee, Y., Roberts, K., Facompre, N., and Sampson, N. (2005) Multivalent Fertilin β Oligopeptides: The Dependencies of Fertilization Inhibition on Length and Density. *Gordon Conference*. New Hampshire. (poster presentation)

Rafi, Salma Banu. (2005) Investigation of ecFabI's interaction with substrate and inhibitors, and predicting binding affinities of inhibitors using computational structural biology tools. *230th ACS National Meeting*. Washington, DC.

❖ **Post-Doctorates Obtained and Professional Appointments**

Luo, Yi. (2005) Postdoctoral Fellow. Department of Molecular Biology, *Princeton University*, Princeton, NJ.

BIOMEDICAL ENGINEERING

GRADUATE DIRECTOR: MICHAEL HADJIARGYROU

DEPARTMENT CHAIR: CLINTON RUBIN

❖ Grants, Fellowships, and Awards

- Ghosh, Kaustabh.** (2006) President's Award to Distinguished Doctoral Students, \$500. *Stony Brook University*, Stony Brook, NY.
- Holguin, Nilsson** (2005) W. Burghardt Turner Fellowship, \$6000/yr. *Stony Brook University*, Stony Brook, NY.
- Kelly, Damon J.** (2006) Ruth L. Kirschstein National Research Service Award Postdoctoral Fellowship: The Biochemistry and Cell Biology of Metabolic Diseases. \$35,568. *Diabetes and Metabolic Diseases Research Program*, Stony Brook, NY.
- Lam, H.Y.** (2005) Biomedical Engineering Society Student Travel Award, \$500. *Biomedical Engineering Society*.
- Lam, H.Y.** (2005) Sigma Xi Award for Excellence in Research. *Stony Brook University*, Stony Brook, NY.
- Tracey, Kevin, **Levine, Jacob**, Goldstein, Richard, Gitman, Michael, Tamari, Yehuda, and Hussain, Erfan (2005) The Removal of Circulating Toxins during Hemodialysis. *NSLIJ Research Institute General Clinical Research Center*, Manhasset, NY.
- Tamari, Yehuda, Tracey, Kevin, and **Levine, Jacob**. (2005) An Extracorporeal Filter for Treating Sepsis. *National Institutes of Health*, Bethesda, Maryland (submitted).
- Korgaonkar, Mayuresh S.** (2006) Educational Stipend, \$400. *International Society of Magnetic Resonance in Medicine 14th Scientific Meeting*, Seattle, WA.
- Olender, Gavin.** (2006) German Exchange Fellowship. *The German Academic Exchange Service (DAAD)*, Murnau, Bayern, Deutschland.
- Rubenstein, David A.** (2005/2006) NRSA Predoctoral Fellowship, De Novo Growth of Arterial Networks, \$30,000. *National Institute of Health, NIBIB*, Bethesda, MD.
- Rubenstein, David A.** (2005) Student Travel Award for Excellence in Research, \$500. Special Transatlantic Meeting of the Microcirculatory Society and the British Microcirculatory Society, *The Microcirculatory Society Inc.*, USA.
- Segui, Jennifer A.** (2006) Amorphous selenium flat panel x-ray detectors with variable presampling blur for optimized detection of objects in digital mammography, \$75,000. *Army Breast Cancer Research Program*, Bethesda, MD (submitted).
- Sheriff, Jawaad.** (2006) *In Vitro* and Numerical Models to Study the Effects of Shear Stress on Atherogenesis and Vulnerable Plaque Mechanics. NSF Graduate Research Fellowship Honorable Mention. *National Science Foundation*, Arlington, VA.

❖ Jointly Authored Publications/Research Reports/Reviews

- Raghavan, R., **Chen, Xinnian.**, Yip, K.P., Marsh, D.J., and Chon, K.H. (2006) Interactions between TGF-dependent and myogenic oscillations in tubular pressure and whole kidney blood flow in both SDR and SHR. *Am. J. Physiol. Renal Physiol.* 290(3):F720-32.

- Garman, Russell A.**, Gaudette, G., Donahue, L.R., Rubin, C., and Judex, S. (2006) Low-Level accelerations applied in the absence of weight bearing can enhance trabecular bone formation. *Journal of Orthopaedic Research* (submitted).
- Georgi, Melissa K.B.**, and Frame, Molly D. (2005) Vasoactive Responses to Platelet Derived Growth Factor AB with Transient High Glucose. *Experimental Biology 2006*. San Francisco, CA.
- Ghosh, Kaustabh**, Shu, X.Z., Mou, R., Lombardi, J., Prestwich, G.D., Rafailovich, M.H., and Clark, R.A.F. (2005) Rheological characterization of in situ crosslinkable hyaluronan hydrogels. *Biomacromolecules* 6:2857-2865.
- Ghosh, Kaustabh**, Ren, X-D., Shu, X.Z., Prestwich, G.D., and Clark R.A.F. (2006) Fibronectin functional domains coupled to hyaluronan stimulate adult human dermal fibroblast responses critical for wound healing. *Tissue Engineering* 12:601-613.
- Ji, Y., **Ghosh, Kaustabh**, Shu, X.Z., Sokolov, J., Prestwich, G.D, Clark, R.A.F., and Rafailovich, M. (2006) Electrospun three-dimensional HA-DTPH hydrogel nanofibrous scaffold: a novel biomaterial for tissue engineering. *Biomaterials* 27:3782-3792.
- Mehra, T.*, **Ghosh, Kaustabh***, Shu, X.Z., Prestwich, G.D., and Clark, R.A.F. (2006) Molecular stenting with a crosslinked hyaluronan derivative inhibits collagen gel contraction. *Journal of Investigative Dermatology* 126(10):2202-9.
- Ghosh, Kaustabh**, Guan, E., Pan, Z., Ren, X-D., Liu, Y., Ge, S., Shu, X.Z., Nakamura, T, Prestwich, G.D., Rafailovich, M., and Clark, R.A.F. (2005) Cell adaptation to ECM: integrated response to viscoelastic properties and ligand arrays. *TESI Fall Meeting*. Shanghai, China.
- Ghosh, Kaustabh**, Mehra, T., Shu, X.Z., Prestwich, G.D., and Clark, R.A.F. (2005) Crosslinked HA with PEG Nanostents Inhibits Collagen Gel Contraction: A Potential Preventative Towards Burn Contracture. *Annual Meeting of the American Society for Cell Biology*. San Francisco, CA.
- Kelly, Damon J.**, Azeloglu, E.U. Kochupura, P.V., Sharma, G., and Gaudette, G.R. (2006) Accuracy and Reproducibility of a Subpixel Extended Phase Correlation Method to Determine Micron Level Displacements in the Heart. *Medical Engineering and Physics* (in press).
- Badylak, S.F., Kochupura, P.V, Cohen, I.S, Doronin, S.V., **Kelly, Damon J.**, Ignatz RA, Saltman, A.E., and Gaudette, G.R. (2006) The Use of Extracellular Matrix as an Inductive Scaffold for the Partial Replacement of Functional Myocardium. *Cell Transplantation* 15(1): 29-40.
- Fan, G., Jiang, Y.P., Lu, Z, Martin, D.W., **Kelly, Damon J.**, Zuckerman, JM., Ballou, .M., Cohen, I.S., and Lin, R.Z. (2005) A Transgenic Mouse Model of Heart Failure Using Inducible Gαq. *Journal of Biological Chemistry* 280(9):40337-40346.
- Flanagan-Cato, L.M., **Lee, B.J.**, and Calizo, L.H. (2006) Co-localization of midbrain projections, progesterin receptors, and mating-induced fos in the hypothalamic ventromedial nucleus of the female rat. *Hormones and Behavior* 50(1):52-60.
- Lee, B.J.**, Judex, S., Cox, G.A., and Rubin, C. (2005) Devastation of Skeletal Quality by Neuromuscular Degeneration” *American Society of Bone and Mineral Research 27th Annual Meeting*. Nashville, TN.
- Liu, C.**, and Hadjiargyrou, M. (2005) Identification and Characterization of the Mustang Gene Promoter. *Journal of Bone and Mineral Research* 20:S112.
- Liu, C.**, and Hadjiargyrou, M. (2006) Identification and Characterization of the Mustang Promoter: Regulation by AP-1 during Myogenic Differentiation. *Bone* 39(4):815-24.
- Liang, D., **Luu, Y.K.**, Kim, K., Hsiao, B.S., Chu, B., and Hadjiargyrou, M (2005) Block copolymer encapsulation and protection of DNA in an electrospun scaffold for nonviral gene delivery. *Nucleic Acids Research* 33(19):e170.

*contributed equally to the manuscript

- Chiu, J.B., **Luu, Y.K.**, Fang, D., Hsiao, B.S., Chu, B., and Hadjiargyrou, M. (2005) Electrospun Nanofibrous Scaffolds for Biomedical Applications. *Journal of Biomedical Nanotechnology* 1(2):115-132.
- Maramraju, S.H.**, Schlyer, D.J., Stoll, S.P., Woody, C.L., Schiffer, W., Lee, D., Dewey, S., Vaska, P., and Park, S-J. (2006) LSO Beta microprobe for measurement of input functions in small animals. *Society of Nuclear Medicine Annual Meeting*, San Diego, CA.
- Wagshul, M.E., Egnor, M.R., Chen, J.J., **McCormack, E.J.**, and Roche, P.E. (2006) Amplitude and Phase of Cerebrospinal Fluid Pulsations: Experimental studies and review of the literature. *Journal of Neurosurgery* 104:810-819.
- Rubenstein, David A., Han, D., Goldgraben, S., Tonick, S., El-Gendi, H.**, Gouma, P.I., and **Frame, M.D.** (2006) Bioassay chamber for angiogenesis with perfused explanted arteries and electrospun scaffolding. *Nanomedicine* (in review).
- Ruppel, M.E.**, Burr, D.B., and Miller, L.M (2006) Chemical Makeup of Microdamaged Bone Differs from Undamaged Bone. *Bone* 39(2):318-24.
- Fuchs, R.K., Allan, M.R., **Ruppel, M.E.**, Miller, L.M., and Burr, D.B. (2006) How Long Does Secondary Mineralization of Osteonal Bone Take. *Journal of Bone and Mineral Research* 20(9):S325.
- Wang, H., **Siu, K.L.**, Ju, K., and Chon KH. (2006) A high resolution approach to estimating time-frequency spectra and their amplitudes. *Ann Biomed Eng.* 34(2):326-38.
- Feng, L., **Siu, K.L.**, Moore, L.C., Marsh, D.J., and Chon, K.H. (2006) A robust method for detection of linear and nonlinear interactions: application to renal blood flow dynamics. *Ann Biomed Eng. Vol.* 34(2):339-53.
- Xia, Y.**, Lin, W., and Qin, Y-X. (2005). The influence of cortical end-Plate on broadband ultrasound attenuation measurements at the human calcaneus using scanning confocal ultrasound. *J Acoust Soc Am.* 118:1801-1807.
- Murfee, W.L., Hammett, L.A., Evans, C., **Xie, L.Q.**, Squire, M., Rubin, C., Judex, S., and Skalak, T.C. (2005) High-Frequency Low-Magnitude Vibrations Suppress the Number of Blood Vessels per Muscle Fiber in Mouse Soleus Muscle. *J Appl Physiol.* 98(6):2376-80.
- Zhang, Chaolin**, Xuan, Z., Otto, S., Hover, J.R., McCorkle, S.R., Mandel, G., and Zhang, M.Q. (2006) A clustering property of highly-degenerate transcription factor binding sites in the mammalian genome. *Nucleic Acids Research* 34(8):2238-2246.
- Zhang, Chaolin**, Li, H-R, Fan, J-B., Wang-Rodriguez, J., Downs, T., Fu X-D., and Zhang, M.Q. (2006) Profiling alternatively spliced mRNA isoforms for prostate cancer classification. *BMC Bioinformatics* 7:202.
- Zhong, Yuru**, Jan, K-M., Ju K.H., and Chon, K.H. (2006) Quantifying Cardiac Sympathetic and Parasympathetic Nervous Activities Using Principal Dynamic Modes Analysis of Heart Rate Variability. *Am J Physiol Heart Circ Physiol* 291: H1475-H1483.
- Chon, K.H., **Zhong, Yuru**, Wang, H., and Jan, K.M. (2006) Separation of Heart Rate Variability Components of the Autonomic Nervous System by Utilizing Principal Dynamic Modes. *Nonlinear Dynamics, Psychology, and Life Sciences* 10(2):163-185.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Chen, Xinnian, Warren, K.A.**, Chon, K.H., and Solomon, I.C. (2006) Pontomedullary transection in arterially-perfused adult rat elicits diverse phrenic burst patterns and alters spectral dynamics. *Experimental Biology*. San Francisco, CA.

- Foglyano, R.M., **Chen, Xinnian**, Shafer, G.O., Wilson, C.G., and Solomon, I.C. (2006) Respiratory network complexity in the transverse medullary slice preparation from neonatal rat. *Experimental Biology*. San Francisco, CA.
- Chen, Xinnian**, and Solomon, I.C. (2005) Comparison of temporal and spectral characteristics and inspiratory network complexity underlying phrenic nerve discharge in anesthetized adult rat in vivo versus in vitro. *Neuroscience*. Washington, DC.
- Chen, Xinnian**, Chon K. H., and Solomon I. C. (2005) Comparison of the use of approximate entropy and sample entropy: applications to neural respiratory signal. *27th IEEE EMBS Annual International Conference*. Shanghai, China.
- Falabella, Christine**; Pan, H., Ravens, R., and Chen, W. (2005) Modulation of bovine serum albumin release from novel microsphere fabricated with poly(ethylene glycol)-grafted-chitosan and poly(lactic-co-glycolide) blend. *Biomedical Engineering Society Annual Fall Meeting*. Baltimore, MD
- Ozcivici, E., Garman, Russell A.**, Xu, S., Chung, H, and Judex, S. (2006) High-frequency oscillations attenuate the decline in bone's loading characteristics during disuse. *52nd Annual Meeting of the Orthopaedic Research Society*. Chicago, IL.
- Ozcivici, E., Garman, Russell A.**, Chung, H., Xu, S., and Judex, S. (2006) High-Frequency Oscillatory Motions Applied to the Tibia During Disuse Normalize Trabecular Stress Distributions. *5th World Congress of Biomechanics*. Munich, Germany.
- Garman, Russell A.**, Donahue, L.R., Rubin, C.T., and Judex, S. (2005) High-frequency accelerations attenuate disuse-induced trabecular bone loss. *27th Annual Meeting of the American Society of Bone and Mineral Research*. Nashville, TN.
- Georgi, Melissa K.B.**, and Frame, M.D. (2005) Acute glycation of the interstitium and vasoactive responses to growth factors. *Joint US/UK Conference on Microcirculation*. Durham, NH.
- Kelly, Damon J.**, Doronin, S.V., Kochupura, P.V., Azeloglu, E.U., Saltman, A.E., Badylak, S.F., Cohen, I.S., and Gaudette, G.R. (2005) Myocardial Regeneration Results in Stem Cell Accumulation and Mechanical Function After 2 Weeks. *Biomedical Engineering Society Annual Fall Meeting*. Baltimore, MD.
- Kelly, Damon J.** (2005) Scaffold Based Myocardial Regeneration. *Surgical Research Seminar Series*. University of Massachusetts Medical School. Worcester, MA.
- Korgaonkar, Mayuresh S.**, Fiore S., Perkins C.J., Squires N.K., and Wagshul M.E. (2006) Functional MRI Activation Patterns Based on Subject's Reaction Times in a Verb Generation Task. *International Society of Magnetic Resonance in Medicine 14th Scientific Meeting*. Seattle, WA.
- Lam, H.Y.**, Orzechowski, L., Saldanha, A., Brink, P., Rubin, C., and Qin, Y.X. (2005) Correlation between vessel adaptation and intracortical porosity by dynamic intramedullary pressure. *2005 Annual Meeting of Biomedical Engineering Society*. Baltimore, MD.
- Lam, H.Y.**, Brink, P., Rubin, C., and Qin, Y.X. (2005) Cyclic intramedullary pressure fluid stimulation alters nutrient artery morphology. *2005 International Bone Fluid Flow Workshop*, New York, NY.
- Lee, D., **Maramraju, S.H.**, and Gifford, A. (2005) Cumulative and aversive effects of inhaled toluene in rats: An animal model to study the inhalant abuse in humans. *Biomedical Engineering Society Conference*. Baltimore, MD.
- Maramraju, S.H.**, Stoll, S., Woody, C., Schlyer, D., Schiffer, W., Lee, D., Dewey, S., and Vaska P. (2006) A LSO Beta Microprobe for Measuring Input Functions for Quantitative Small Animal PET. *EuromedIm Conference on Molecular Imaging Technology*. Marseille, France.
- McCormack, E.J.**, Egnor M.R., and Wagshul M.E. (2006) Improvements in Cerebrospinal Fluid Flow Measurements With Phase Contrast Balanced Steady State Free Precession. *International Society of Magnetic Resonance in Medicine Proceedings*. Seattle, WA.

- WA. Wagshul, M.E., Egnor, M.R., Manzione, J., **McCormack, E.J.**, Voorhes, A., and Wei, T. (2006) Measurement of subpixel motion of the lateral ventricle walls. *International Society of Magnetic Resonance in Medicine Proceedings*. Seattle WA.
- Hazel, R.D., **McCormack, E.J.**, Miller, J., Li, J., Yu, M., Benveniste, H., McAllister, J.P., Egnor, M.R., and Wagshul, M.E. (2006) Measurement of Cerebrospinal Fluid Flow in the Aqueduct of a Rat Model of Hydrocephalus. *International Society of Magnetic Resonance in Medicine Proceedings*. Seattle WA.
- Zou, R., **McCormack, E.J.**, Egnor, M.R., Kim, D., MacDonald, B., and Madsen, J.R. (2005) Increased Phase Synchronization between Intracranial Pressure and Arterial Blood Pressure during Elevated Intracranial Pressure in Dogs, *Proc. IEEE EMBS Annual International Conference*. Shanghai, China
- Olender, Gavin.** (2005) Can the application of low level whole body vibrations enhance bone development? *Biomedical Engineering Society*. Baltimore, MD. (podium presentation)
- Olender, Gavin, Garman, Russell A.,** and Judex, S. (2005) The influence of loading direction on bone's response to oscillatory displacements. *Annual Biomedical Engineering Symposium, Stony Brook University*. Stony Brook, NY.
- Brazin, A., **Ozcivici, E.**, and **Garman, Russell A.** (2005). The Skeletal Effects of Space Exploration. *St. Johnland Nursing Center*. Kings Park, NY. (Invited lecture)
- Judex, S., **Ozcivici, E.**, Parhiz, A.T., Chung, H., Rubin, C., Donahue, L.R., and Xu, S. (2006). Genetic Relation Between Disuse Induced Bone Loss And Its Recovery Upon Reambulation. *52nd Annual Meeting of the Orthopaedic Research Society*. Chicago, IL.
- Judex, S., Gambino, C., Xu, S., Parhiz, A.T., Xie, L., Donahue, L.R., Rubin, C., Xu, S., and **Ozcivici, E.** (2006) Genetic Variations Define Muscle's susceptibility to Disuse and Subsequent Reambulations. *5th World Congress of Biomechanics*. Munich, Germany.
- Ozcivici, E., Garman, Russell A.,** Xu, S., Chung, H., and Judex, S. (2006). High-Frequency Oscillations Attenuate the Decline in Bone's Loading Characteristics During Disuse. *52nd Annual Meeting of the Orthopaedic Research Society*. Chicago, IL.
- Rubenstein, David A.,** Han, D., Gouma, P.I., and Frame, M.D. (2005) Angiogenesis from explanted arteries exposed to low shear stress. *A Special Transatlantic Meeting of The Microcirculatory Society, Inc., and The British Microcirculation Society*. Durham, NH.
- Rubenstein, David A.,** El-Gendi, H., **Tonick, S.**, and Frame, M.D. (2006) Migration Distance Affects Endothelial Cell Morphology. *Experimental Biology Conference*. San Francisco, CA.
- Fuchs, R.K., Allan, M.R., **Ruppel, M.E.**, Miller, L.M., and Burr, D.B. (2005) How Long Does Secondary Mineralization of Osteonal Bone Take? *ASBMR 2005*. Nashville, TN.
- Segui, Jennifer A.,** and Zhao, W. (2005) Comprehensive image quality analysis of amorphous selenium based flat panel x-ray detectors for digital mammography. *RSNA 2005*. Chicago, IL.
- Siu, K.L.,** Chon, K.H., Sung, B., Birzgalis, A., and Moore, L.C. (2006) Modulation of Autoregulatory Mechanisms by Very-Low Frequency (VLF) Rhythms in RBF. *Experimental Biology*, San Francisco, CA.
- Xia, Y.,** Lin, W., and Qin, Y-X. (2005). A Scanning Confocal Acoustic Diagnostic System for Non-invasively Assessing Bone Quality. *Bioastronautics Investigators Workshop: Autonomous Medical Care Poster Session*. Galveston, TX.
- Xie, L.Q.,** Donahue, L., Rubin, C., and Judex S. (2006) Double the bouts or acceleration magnitude may increase the efficacy of low level vibrations in the growing skeleton. *52nd Annual Meeting of Orthopaedic Research Society*. Chicago, IL.
- Xie, L.Q.,** Busa, B., Donahue, L., Rubin, C., and Judex, S. (2005) Low-Level Mechanical Vibrations Enhance Bone Formation without Loss of Bone Quality in the Growing Skeleton. *26th Annual Meeting of the American Society of Bone and Mineral Research*. Nashville, TN.

- Zhang, Chaolin**, Xuan, Z., and Zhang, M.Q. (2005). Weak Transcription Factor Binding Sites Enrich The Genomes. *Mechanisms of Eukaryotic Transcription*. Cold Spring Harbor, NY.
- Zhang, Chaolin**, Xuan, Z., Otto, S., Hover, J.R., McCorkle, S.R., Mandel, G., and Zhang, M.Q. (2006) A clustering property of highly-degenerate transcription factor binding sites in the mammalian genome. *UCLA IPAM Workshop: From Sequence Analysis to System Biology*. Los Angeles, CA.
- Zhong, Yuru**, Jan, K-M, Moore, L.C., and Chon, K.H. (2006) Frequency modulation of the autonomic nervous systems by very low frequency rhythms in heart rate variability. *Experimental Biology*. San Francisco, CA.

❖ Post-Doctorates Obtained and Professional Appointments

- Garman, Russell A.** (2006) Scientific Advisor, Frommer, Lawrence and Haug, LLP, New York, NY.
- Ghosh, Kaustabh.** (2006) Post-doctoral fellow. Karp Family Research Laboratory, *Harvard Medical School*, Boston, MA.
- Gary Gustavsen.** (2005), Biomedical Consultant. *Health Advances*, Boston, MA.
- Ianuzzi, Allyson.** (2005) Biomechanics Engineer. *Exponent, Inc.*, Philadelphia, PA.
- Kelly, Damon J.** (2006) Post-doctoral fellow. Diabetes and Metabolic Diseases Research Program, *Stony Brook University*. Stony Brook, NY.
- Komatsu, David.** (2006) Post-doctoral fellow. *Eli Lilly*, Indianapolis, IN.
- Little, Jesse.** (2005), Post-doctoral fellow. *MIT*, Boston, MA.
- McCormack, E.J.** (2006). Postdoctoral Associate. Departments of Radiology and Neurosurgery, *Stony Brook University*, Stony Brook, NY.
- Saldanha, Anita.** (2005), Medical Student. *SUNY Buffalo*, NY.
- Sharma, Gaurav.** (2005), Biomedical Engineer. NJ.
- Shokouhi, Sepideh.** (2005) Post-doctoral fellow. *Vanderbilt University*, Nashville, TN.
- Squire, Maria.** (2005) Assistant Professor. *University of Scranton*, Scranton, PA.

❖ Software Developed

- Zhu, Zhengwei.** (2006) GWIDD (Genome Wide Docking Database). GWIDD is a web-based database server for studying protein interactions using docking method. Proteins function by interacting with proteins and other molecules, for ex., enzyme-inhibitor, antigen-antibody, etc. Understanding how proteins interact structurally is critical in finding out protein functions and regulating protein functions. GWIDD provides convenient ways to search for experimentally verified and predicted protein-protein interactions, to model structures of individual interacting proteins, and most importantly to model structures of protein complexes. University of Kansas, Lawrence, KS.

CHEMISTRY

GRADUATE DIRECTOR: DALE DRUECKHAMMER

DEPARTMENT CHAIR: MICHAEL WHITE

❖ Grants, Fellowships, and Awards

Bréger, Julien. (2006) ECS Summer Fellowship Award, \$4000, *The Electrochemical Society*, USA.

Bréger, Julien. (2006) Sigma Xi Travel Award, \$100. *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.

Lee, Jae Chul. (2005) ACS Division of Organic Chemistry Student Travel Grant, \$600. *230th ACS National Meeting*, Washington, DC.

Lee, Jae Chul. (2006) Sigma Xi Excellence in Research Award, *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.

Lee, Younjoo. (2005) Travel Grant for American Chemistry Society 230th ACS National Meeting in Washington, DC, \$600. *Medicinal Chemistry Division of American Chemistry Society*, USA.

Li, Zhong. (2006) Travel Grant, \$800. *The American Crystallographic Association*, Buffalo, NY.

Machutta, Carl. (2006) American Society for Biochemistry and Molecular Biology (ASBMB) Graduate/Postdoctoral Travel Award, \$750. *ASBMB*, Bethesda, MD.

Park, Hyunsoo. (2005) Travel Award for IUCr Meeting, \$1100. *The US National Committee for Crystallography*, USA.

Park, Tae-Jin. (2005) Division of Inorganic Chemistry (DIC) Student Travel Award, \$300. *American Chemical Society (ACS)*, Washington, DC.

Park, Tae-Jin. (2005) Sigma Xi Travel Award, \$150. *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.

Peng, Luming. (2005) Sigma-Xi Travel Award for Research, \$150. *Sigma-Xi*, Research Triangle Park, NC.

Peng, Luming. (2005) New York Section of the Society for Applied Spectroscopy Graduate Student Awards, \$500. *New York Section of the Society for Applied Spectroscopy*, NY.

Song, Kun. (2005) CCG Excellence Award, \$1150. *American Chemical Society*, Washington, DC, and *Chemical Computing Group*, Montreal, QC, Canada.

Stoner-Ma, Deborah. (2005) Biological Chemistry Division Travel Award Winner, \$600. *Biological Chemistry Division of the ACS*, Washington, DC.

Stoner-Ma, Deborah. (2006) President's Award to Distinguished Doctoral Students, \$500. *Stony Brook University*, Stony Brook, NY.

Tang, Hui. (2005) Travel award from the ACS Division of Biological Chemistry, \$600. *ACS Division of Biological Chemistry*, Washington, DC.

❖ Singly Authored Publications/Research Reports/Reviews

Kim, Jongsik. (2005) Investigation of the Local Environments and Lithium Adsorption on the iron oxyhydroxide by Solid State NMR Spectroscopy: ^2H and ^7Li MAS NMR Studies. Stony Brook, NY: Department of Chemistry, Stony Brook University.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Anil, Burcu**, Li, Y., Cho, J.H., and Raleigh, D.P. (2006) The Unfolded State of NTL9 is Compact in the Absence of Denaturant. *Biochemistry* (submitted).
- Anil, Burcu**, and Raleigh, D. P. (2006) Detecting and Quantifying Strain in Protein Folding Transition States. *Journal of Molecular Biology* (under revision).
- Anil, Burcu**, Craig-Schapiro, R., and Raleigh, D. P. (2006) Design of a Hyperstable Protein by Rational Consideration of Unfolded State Interactions. *J Am Chem Soc* 128:3144-3145.
- Anil, Burcu**, Sato, S., Cho, J.H., and Raleigh, D.P. (2005) Fine Structure Analysis of a Protein Folding Transition State; Distinguishing Between Hydrophobic Stabilization and Specific Packing. *Journal of Molecular Biology* 354: 693-705.
- Bréger, Julien**, Meng, Y., Hinuma, Y., Kumar, S., Shao-Horn, Y., Ceder, G., and Grey, C.P. (2006) The Effect of High Voltages on the Structure and Electrochemistry of Li (NiMn)_{0.5}O₂; A Joint Experimental and Theory Study. *Chemistry of Materials* (submitted).
- Kang, K., Meng, Y., **Bréger, Julien**, Grey, C.P., and Ceder, G. (2006) LiNi_{0.5}Mn_{0.5}O₂ with High Power and High Capacity for Li Rechargeable Batteries. *Science* 311(5763): 977-980.
- Schougaard, S., **Bréger, Julien**, **Jiang, Meng**, Grey, C.P., and Goodenough, J.B. (2006) LiNi_{0.5+δ}Mn_{0.5+δ}O₂ – A High-rate, High Capacity Cathode for Lithium Rechargeable Batteries. *Advanced Materials*, 18:905-909.
- Bréger, Julien**, Dupré, N., Chupas, P.J., Lee, P.L., Proffen, T., Parise, J.B., and Grey, C.P. (2005) Short and Long Range Order in the Positive Electrode Material Li(NiMn)_{0.5}O₂; a Joint X-ray and Neutron Diffraction, Pair Distribution Function Analysis and NMR study. *Journal of the American Chemical Society* 127(20): 7529-7537.
- Bréger, Julien**, Jiang, M., Dupré, N., Meng, Y., Shao-Horn, Y., Ceder, G., and Grey, C.P. (2005) High Resolution X-ray Diffraction, DIFFaX and NMR study of Stacking Faults in the Li₂MnO₃-Li(NiMn)_{1/2}O₂ Solid Solution. *Journal of Solid-State Chemistry* 178:2575-2585.
- Lee, Jae Chul**, Parker, K.A., and Sampson, N.S. (2006) Amino Acid-Bearing ROMP Polymers with a Stereoregular Backbone. *Journal of the American Chemical Society* 128(14):4578-4579.
- Baessler, K.A., **Lee, Younjoo**, Roberts, K.S., Facompre, N., and Sampson, N.S. (2006) Multivalent Fertilinβ Oligopeptides: The Dependence of Fertilization Inhibition on Length and Density, *Chemistry and Biology* 13(3):251-259.
- Park, Hyunsoo**, **Mourneau, D.M.**, and **Parise, J. B.** (2006) Hydrothermal Synthesis and Structural Characterization of Novel Zn-Triazole-Benzenedicarboxylate Frameworks. *Chemistry of Materials* 18:525-531.
- Park, Tae-Jin**, Papaefthymiou, G.C., Moodenbaugh, A.R., Mao, Y., and Wong, S.S. (2005) Synthesis and Characterization of Submicron Single-Crystalline Bi₂Fe₄O₉ Cubes. *Journal of Materials Chemistry* 15(21):2099-2105.
- Mao, Y., **Park, Tae-Jin**, and Wong, S.S. (2005) Synthesis of Classes of Ternary Metal Oxide Nanostructures. *Chemical Communications* 46:721-5735.
- Park, Tae-Jin**, Banerjee, S., Hemraj-Benny, T., and Wong, S. S. (2006) Purification Strategies and Purity Evaluation Techniques for Single-Walled Carbon Nanotubes. *Journal of Materials Chemistry* 16:141-154.
- Park, Tae-Jin**, Mao, Y., Moodenbaugh, A.R., and Wong, S.S. (2006) As-Prepared Single-Crystalline Hematite Rhombohedra and Subsequent Conversion into Monodisperse Aggregates of Magnetic Nanocomposites of Iron and Magnetite. *Chemistry of Materials* (submitted).
- Jaye, A.A., **Stoner-Ma, Deborah**, Matousek, P., Towrie, M., Tonge, P.J., and Meech, S.R. (2006) Time resolved emission spectra of the green fluorescent protein (GFP). *Photochem Photobiol* 82(2):373-379.

- Stoner-Ma, Deborah**, Jaye, A.A., Matousek, P., Towrie, M., Tonge, P.J., and Meech, S.R. (2005) Ultrafast Dynamics in the Green Fluorescent Protein (GFP): Proton Transfer and Time Resolved Fluorescence Spectroscopy. *12th International Conference on Time-Resolved Vibrational Spectroscopy 2005*:107-109.
- Stoner-Ma, Deborah**, Jaye, A.A., Matousek, P., Towrie, M., Meech, S.R., and Tonge, P.J. (2005) Observation of excited-state proton transfer in green fluorescent protein using ultrafast vibrational spectroscopy. *Journal of the American Chemical Society* 127(9): 2864-2865.
- Sun, Aiwu**, Lauher, J.W., and Goroff, N.S. (2006) Preparation of Poly (diiododiacetylene): An Ordered Conjugated Polymer of Carbon and Iodine. *Science* 312(5776):1030-1034.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Boyd, Stephen**. (2006) Exploring Possible Routes to Ionic Conductivity Enhancement. *Advanced Workshop on Recent Developments in Inorganic Materials*. Trieste, Italy.
- Anil, Burcu**, Sato, S., Cho, J.H., and Raleigh, D.P. (2005) Distinguishing Between Hydrophobic Stabilization and Specific Packing in Fine Structure Analysis of a Protein Folding Transition State. *The 19th Symposium of the Protein Society*. Boston, MA.
- Bréger, Julien**, Dupré, N., Chupas, P.J., Lee, P.L., Proffen, T., Parise, J.B., and Grey, C.P. (2005) PDF and NMR Study of Ordering in the Positive Electrode Material Li(NiMn)_{0.5}O₂. *XX Congress of the International Union of Crystallography*. Florence, Italy.
- Grey, Clare P.**, and **Chen, Hailong**. (2005) Solid State NMR and Microstructure Studies of LiCoO₂ Nanoparticle. *The 230th ACS National Meeting*. Washington, DC.
- Chen, Hailong** (2005) *National School on Neutron and X-ray Scattering*. Argonne National Lab., IL.
- Chen, Lin**, and Sampson, N. (2005) Further Study of the Interaction between Asn485 and the FAD Cofactor of Cholesterol Oxidase. *The 230th ACS National Meeting, Biological Division*. Washington, DC.
- Julmis, K., **Kim, Jongsik**, Nielsen, U., Paik, Y., Fitts, J., and Grey, C. (2006) Studies of Adsorption and Local Environments in the Iron Soil Minerals, Lepidocrocite and Goethite, by Multi-Nuclear Solid-State NMR. *Center for Environmental Molecular Science Spring Meeting*. Stony Brook, NY.
- Lee, Jae Chul**, Parker, K.A., and Sampson, N. S. (2005) New Substrates for Ruthenium-Catalyzed ROMP. *230th American Chemical Society (ACS) National Meeting*. Washington, DC.
- Lee, Jae Chul**, Parker, K.A., and Sampson, N.S. (2005) Preparation of Peptide-Bearing ROMP Polymers with a Stereoregular Backbone. *Stony Brook Symposium on New Horizons in Organic Chemistry*. Stony Brook, NY.
- Lee, Younjoo** (2005) Multivalent Fertilinβ Oligopeptides: The Dependence of Fertilization Inhibition on Length and Density. *230th American Chemical Society (ACS) National Meeting*. Washington, DC.
- Li, Zhong.**, **Fowler, F.W.**, and **Lauher, J.W.** (2006) Solid State Polymerization of Terminal Diacetylenes via Host-Guest Strategy. *231st ACS National Meeting*. Atlanta, GA.
- Machutta, Carl**. (2006) Characterization of the β-ketoacyl-ACP Synthase, KasA, from *Mycobacterium Tuberculosis*. American Society for Biochemistry and Molecular Biology (ASBMB) Annual Meeting and Centennial Celebration. *ASBMB Travel Award Symposium*. San Francisco, CA.
- Park, Hyunsoo**, **Moureaux, D.M.**, and Parise, J.B. (2005) Synthesis and Structural Characterization of New Metal-Organic Hybrid Frameworks. *The North-East Corridor Zeolite Association Meeting*. Philadelphia, PA.

- Park, Hyunsoo, Moureau, D.M.**, and Parise, J.B. (2005) Synthesis and Structural Characterization of Novel Metal-Organic Frameworks. *The 20th Congress of the International Union of Crystallography*. Florence, Italy.
- Mao, Y., **Park, Tae-Jin**, and Wong, S.S. (2006) Environmentally-Friendly Methodologies of Metal Oxide Nanostructure Synthesis. *231st American Chemical Society (ACS) National Meeting*. Atlanta, GA.
- Park, Tae-Jin**, Mao, Y., and Wong, S.S. (2005) Synthesis and Characterization of Multiferroic BiFeO₃ Nanotubes. *230th American Chemical Society (ACS) National Meeting*. Washington, DC.
- Park, Tae-Jin**, Papaefthymiou, G.C., Moodenbaugh, A.R., Mao, Y., and Wong, S.S. (2005) Synthesis and Characterization of Submicron Single-Crystalline Bi₂Fe₄O₉ Cubes. *230th American Chemical Society (ACS) National Meeting*. Washington, DC.
- Chupas, P.J., Grey, C.P., Kim N., **Peng, Luming**, and Readman, J.E. (2005) ³¹P and ¹⁷O MAS NMR Studies of Zeolite HY, *Gordon Research Conference: Zeolitic and Layered Materials*. Mount Holyoke College. South Hadley, MA.
- Song, Kun**. (2005) A Simulation Study of the Binding Modes of Formamidopyrimidine-DNA Glycosylase Bound to DNA Containing 8-oxo Guanine. *The 230th American Chemical Society (ACS) National Meeting*. Washington, DC.
- Stoner-Ma, Deborah**, Jaye A.A., Matousek, P., Towrie, M., Meech, S.R., and Tonge, P.J. (2006) Excited State Proton Transfer in Green Fluorescent Protein. *Stony Brook Symposium on New Horizons in Organic Chemistry*. Stony Brook, NY
- Stoner-Ma, Deborah**, Jaye A.A., Matousek, P., Towrie, M., Meech, S.R., and Tonge, P.J. (2006) Excited State Proton Transfer in Green Fluorescent Protein. *Sci-Mix and Biological Chemistry Division Poster Sessions - 230th American Chemical Society (ACS) National Meeting*. Washington, DC.
- Sun, Aiwu**, Goroff, Nancy S. (2005) Polydiiododiacetylene: An ordered conjugated polymer of carbon and iodine. *11th International Symposium on Novel Aromatic Compounds*. St. John's, NL Canada.
- Tang, Hui**, and Grabovich, A. (2005), Orientation of Cholesterol Oxidase on the Lipid Bilayer. *230th American Chemical Society (ACS) National Meeting*. Washington, DC.

❖ Post-Doctorates Obtained and Professional Appointments

- Anil, Burcu**. (2006) Postdoctoral Associate. Department of Physiology and Biophysics, *Mount Sinai School of Medicine*, New York, NY.
- Peng, Luming**. (2006) Postdoctoral Scholar. Department of Geological and Environmental Sciences, *Stanford University*, Stanford, CA.
- Stoner-Ma, Deborah**. (2006) Postdoctoral fellow with Prof. Joanne Stubbe. Department of Chemistry, *Massachusetts Institute of Technology*, Cambridge, MA.

❖ Internship Appointments

- Park, Hyunsoo**. (2005) Visiting Scientist. *Sandia National Laboratories*, Albuquerque, NM.

COMPARATIVE LITERATURE

GRADUATE DIRECTOR: IRA LIVINGSTON

DEPARTMENT CHAIR: ROBERT HARVEY

❖ Grants, Fellowships, and Awards

Foley, Ashar. (2006) Dorothy L. Pieper Merit Award, \$3,000. *Stony Brook University*, Stony Brook, NY.

Pape, Kristin. (2006) President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.

Shanbhag, Maya. (2006) Mildred and Herbert Weisinger Fellowship, \$5,000. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

Staats, Hans. (2005) Ônibus 174 (Bus 174): Intention in the System of Representation. *Cineaction* 67:58(5).

Töke, Lilla. (2005) Review of Cinema in Flames: Balkan Cinema and Media by Dina Iordanova. *Europe-Asia Studies*. 52(7):1186-1188.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Bakola, Emily. (2006) How to Do Conspiracy Theory with Fetishism: Oliver Stone's JFK. *Comparative Literary and Cultural Studies Faculty and Graduate Student Colloquium*. Stony Brook, NY.

Chen, I-Ju. (2005) Search and Loss of Island Paradise. *Comparative Literary and Cultural Studies Colloquium*. Stony Brook, NY.

Hung, Tzu-hui. (2005) Spatializing Urban Narratives: Practices of Space in Tsai Ming-Liang's Films. *Stony Brook University Comparative Literary and Cultural Studies Faculty and Graduate Student Colloquium*. Stony Brook, NY.

Hung, Tzu-hui. (2006) Spatializing Urban Narratives: Practices of Space in Tsai Ming-Liang's Films. *2006 Hawaii International Conference on Arts and Humanities*. Honolulu, HI.

Lee, Wan-chi. (2006) Oscar Wilde's Subversion of Childness in Fairy Tales. Revisioning the Canon.

Razumova, Lyudmila. (2006) Spreading of the Closed City: Paradoxes of Mobility in the Modern World. *American Comparative Literature Association Annual Conference*. Princeton, NJ.

Razumova, Lyudmila. (2006) Spreading of the Closed City: Paradoxes of Mobility in the Modern World. *Yale Graduate Student Conference. Department of Slavic Languages and Literatures*. New Haven, CT.

Töke, Lilla. (2005) Nervous Laughter: Humor and the Trauma of the Holocaust. *Graduate Student Conference organized by the English Department, SUNY at Stony Brook*. Manhattan, NY.

Töke, Lilla. (2005) Nervous Laughter: Humor and the Trauma of the Holocaust. *31st Annual Conference on Literature and Film*. Tallahassee, FL.

❖ Exhibitions

Chen, I-Ju. (2005) Diagram and Scribble Archive. *Stony Brook University Student Activity Center Gallery*, Stony Brook, NY.

❖ Translations

Chen, I-Ju. (2006) I Saw Ramallah. Work by Mourid Barghouti. *Cité Publishing Ltd.*, Taipei, Taiwan.

Lee, Wan-chi. (2006) [Chinese Title Undecided]/Al Capone Does My Shirts. Work by Gennifer Choldenko. Taipei, Taiwan: The Eastern Publishing Company (in print).

❖ Post-Doctorates Obtained and Professional Appointments

DuBois, Marlene. (2005) Instructor, English. *Suffolk County Community College*, Brentwood, NY.

❖ Other

Shanbhag, Maya. (2006) Transcriber: Jacques Derrida's keynote address and lectures. *The Politics of Friendship*. Robert Harvey, and E. Ann Kaplan, Eds. (forthcoming).

Staats, Hans. (2005) *The Spike Lee Reader*. Paula J. Massood, Ed. Temple University Press (in press).

COMPUTER SCIENCE

GRADUATE DIRECTOR: I.V. RAMAKRISHNAN
DEPARTMENT CHAIR: ARIE KAUFMAN

❖ Grants, Fellowships, and Awards

- Guo, Hui.** (2005) ICMI travel grant, \$1600. *NSF*, Trento, Italy.
- Pyne, Saumyadipta.** (2006). Post-doctoral Fellowship, *The Broad Institute of MIT and Harvard*, Cambridge, MA.
- Yu, Fuxiang.** (2005) CCA 2005 Travel Grant, ¥170,000. *CCA/University of Kyoto*, Kyoto, Japan.

❖ Singly Authored Publications/Research Reports/Reviews

- Yu, Fuxiang.** (2006) On some complexity Issues of NC analytic functions. *Proceedings of the 3rd Annual Conference on Theory and Applications of Models of Computation (TAMC 2006)*. Jin-yi Cai, S. Barry Cooper, and Angsheng Li, Eds. Berlin Heidelberg: Springer-Verlag: 375-386.

❖ Jointly Authored Publications/Research Reports/Reviews

- Bhatkar, Sandeep,** DuVarney, D., and Sekar, R. (2005) Efficient Techniques for Comprehensive Protection from Memory Error Exploits. *14th USENIX Security Symposium*. Baltimore, MD.
- Bhatkar, Sandeep,** Chaturvedi A., and Sekar, R. (2006) Dataflow Anomaly Detection. *IEEE Symposium on Security and Privacy*. Oakland, CA.
- Frank, Susan,** and Kaufman, Arie. (2005) Distributed Volume Rendering on a Visualization Cluster. *In Computer Aided Design and Computer Graphics, 2005*: 371-376.
- Frank, Susan,** and Kaufman, Arie. (2005) Distributed Volume Rendering on a Visualization Cluster. *Computer Graphics International*. Stony Brook, NY.
- Pamudurthy, Satprem,** Guan, E., Mueller, Klaus, and Rafailovich, Miriam. (2005) Dynamic Approach for Face Recognition using Digital Image Skin Correlation, *Audio- and Video-based Biometric Person Authentication (AVBPA) 2005*:1010-1018.
- Pyne, Saumyadipta,** Skiena, S., and Fitcher, B. (2005). Copy Correction and Concerted Evolution in the Conservation of Yeast Genes. *Genetics* 170:1501-1513.
- Oliva, A., Rosebrock, A., Ferrezuelo, F., **Pyne, Saumyadipta,** Chen, H., Skiena, S., Fitcher, B., and Leatherwood, J. (2005). The cell cycle-regulated genes of *Schizosaccharomyces pombe*. *Public Library of Science Biology* 3(7):1239-60.
- Wang, Jianning,** Oliveira M., and Kaufman, A. (2005) Reconstructing Manifold and Non-Manifold Surfaces from Point Clouds. *IEEE Visualization 2005*:415-422.
- Wang, Jianning,** Oliveira, M., Xie, H., and Kaufman, A. (2005) Surface Reconstruction Using Oriented Charges. *Computer Graphics International 2005*:122-128.

- Wang, Jianning**, Hall-Holt, O., Konecny, P., and Kaufman A. (2005) Per-Pixel Camera Calibration for 3D Range Scanning. *SPIE Electronic Imaging 2005*:342-352.
- Wang, Lujin**, Zhao, Ye, Mueller, Klaus, and Kaufman, Arie. (2005). The Magic Volume Lens: An Interactive Focus+Context Technique for Volume Rendering. *Proceedings of IEEE Visualization 2005*:367-374.
- Wang, Lujin**, Gu, Xianfeng, Mueller, Klaus, and Yau, Shing-Tung. (2005) Uniform Texture Synthesis and Texture Mapping Using Global Parameterization. *The Visual Computer 21*:801–810.
- Wang, Sen, **Wang, Yang**, Jin, Miao, Gu, Xianfeng, and Samaras, Dimitris. (2006) 3D Surface Matching and Recognition Using Conformal Geometry. *Proceedings of the 2006 IEEE Computer Society Conference on Computer Vision and Pattern Recognition 2*:2453 – 2460.
- Ko, Ker-I., and **Yu, Fuxiang**. (in press) On the Complexity of Computing the Logarithm and Square Root Functions on a Complex Domain. *Journal of Complexity*.
- Yu, Fuxiang**, Chou, Arthur W., and Ko, Ker-I. (in press) On the Complexity of Finding Circumscribed Rectangles and Squares for a Two-dimensional Domain. *Journal of Complexity*.
- Yu, Fuxiang**, Chou, Arthur W., and Ko, Ker-I. (2005) On the Complexity of Finding Circumscribed Rectangles for a Two-dimensional Domain. *Computability and Complexity in Analysis*. T. Grubba, P. Hertling, H. Tsuiki, and K. Weihrauch, Eds. *Informatik Berichte 326*:341-355.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Kifer, M., Ramakrishnan, I.V., Ramanathan, A., **Zhao, C.**, Jayaraman, S., and Swaminathan, S. (2005) TKB: Toxin Knowledge Base for Discovering Bio-Engineered Threats. *ISMB 2005*. Detroit, MI.
- Mukherjee, S., **Zhao, C.**, and Ramakrishnan, I.V. (2006) Profiling Protein Families from Partially Aligned Sequences. *SIAM SDM06*. Bethesda, MD.
- Bender, Michael A., and **Hu, Haodong**. (2006) An Adaptive Packed-Memory Array. *25th ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems*. Chicago, IL. (Winner: Best Newcomer Award)
- Guo, Hui**, and Stent, A. (2005) Trainable Adaptable Multimedia Presentation Generation. *ICMI'2005*. Trento, Italy.
- Guo, Hui**. (2005) Definition and Application of A Grammar for Multimedia Presentation Content Structure. *ICMI'2005*. Trento, Italy.
- Guo, Hui**, and Zhong, H. (2005) Chinese Classifier Assignment using SVMs. *The Fourth SIGHAN workshop on Chinese Language Processing*. Jeju Island, Korea.
- Hegeman, Kyle**, Premoze, S., Ashikhmin, M., and Drettakis, G. (2006) Approximate Ambient Occlusion for Trees. *ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games*. Redwood City, CA.
- Hegeman, Kyle**, Carr, N., and Miller G. (2006) Particle-Based Fluid Simulation on the GPU. *GPGPU Workshop: Methods, Algorithms and Applications*. Reading, UK.
- Hegeman, Kyle**, and Ashikhmin, M. (2006) Modeling Turbulent Flows with Fractal Interpolation. *Spring Conference on Computer Graphics*. Častá-Papiernička, Slovak Republic.
- Li, S.**, and Mueller, K. (2005) Spline-Based Gradient Filters For High Quality Refraction Computations in Discrete Datasets, *Eurographics/IEEE VGTC Symposium on Visualization*. Leeds, UK.
- Li, S.**, and Mueller, K. (2005) Accelerated, High-Quality Refraction Computations for Volume Graphics, *International Workshop on Volume Graphics*. New York, NY.

- Li, S.**, Mueller, K., Jackowski M., Dione, P.D, and Staib, H.L. (2006), Fast Marching Method to Correct for Refraction in Ultrasound Computed Tomography. *IEEE International Symposium on Biomedical Imaging'06*. Washington D.C.
- Stenchikova, Svetlana**, Hakkani-Tür, Dilek, and Tur, Gokhan. (2005) QASR: Spoken Question Answering Using Semantic Role Labeling. *ASRU-2005, 9th biannual IEEE workshop on Automatic Speech Recognition and Understanding*. San Juan, Puerto Rico.
- Wang, Lujin**. (2005) The Magic Volume Lens. *2005 Graphics and Visualization Student Symposium*. Hawthorne, NY.
- Wang, Yang**, Gupta, Mohit, Zhang, Song, Wang, Sen, Gu, Xianfeng, Samaras, Dimitris, and Huang, Peisen. (2005) High Resolution Tracking of Non-Rigid 3D Motion of Densely Sampled Data Using Harmonic Maps. *Tenth IEEE International Conference on Computer Vision*. Beijing, China.
- Wang, Sen, **Wang, Yang**, Gu, Xianfeng, Samaras, Dimitris. (2006) 3D Non-Rigid Surface Alignment and Stitching Using Least Squares Conformal Mapping. *The 14th Pacific Conference on Computer Graphics and Applications (Pacific Graphics 2006)*. Taipei, Taiwan (submitted).

❖ **Internship Appointments**

- Zhou, Jin**. (2005) Summer intern. *Siemens Corporate Research*, Princeton, NJ.
- Hegeman, Kyle**. (2005) Graphics Intern. *Adobe Systems Inc*, San Jose, CA.
- Stenchikova, Svetlana**. (2005) Researcher. *ATandT*, Florham Park, NJ.

❖ **Software Developed**

- Guo, Hui**. (2005) PresentationGenerator. A trainable presentation generator. *Stony Brook*, Stony Brook, NY.
- Guo, Hui**. (2005) DataMiner. Extract data records from web pages. *Stony Brook*, Stony Brook, NY.
- Bhatkar, Sandeep**. (2006) Address Space Randomization Tool to protect against exploits of memory errors. *Stony Brook University*, Stony Brook, NY.

❖ **Patents**

- Mueller, K.**, and **Li, S**. (2006) GPU-Accelerated Fast Marching Method for Ultrasound CT, disclosure.

ECOLOGY AND EVOLUTION

GRADUATE DIRECTOR: GEETA BARATHAN, PH.D. PROGRAM
LEV GINZBURG, MASTERS PROGRAM
CHAIRPERSON: JESSICA GUERVICH

❖ Grants, Fellowships, and Awards

- Aguirre, W.E.** (2005). National Science Foundation Doctoral Dissertation Improvement Grant. \$12,000. *National Science Foundation*.
- Aguirre, W.E.** (2005). W. Burghardt Turner Fellowship Summer Research Award. \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Allen, Bengt J.** (2005) Hopkins Marine Station Summer Course Scholarship, Monterey, CA.
- Arif, Saad.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Banta, Joshua.** (2006) Doctoral Dissertation Improvement Grant. \$12,000. *National Science Foundation*, Arlington, VA.
- Banta, Joshua.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Bourdeau, Paul.** (2006) Student Research Grant, \$500. American Malacological Society.
- Bourdeau, Paul.** (2006) Stephen and Ruth Wainwright Endowed Fellowship in Functional Morphology, \$2500. Friday Harbor Laboratories, WA.
- Bourdeau, Paul.** (2005) Constance A. Boone Award for Best Student Presentation. *Annual Meeting of the American Malacological Society*, Asilomar, CA.
- Brown, Leone.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Cogni, Rodrigo.** (2006). Hovanitz Memorial Award, \$600. *Lepidoptera Research Foundation*, US.
- Cogni, Rodrigo.** (2005). Tinker grant for field research. U\$1245.00. *Latin America and Caribbean Studies*, *State University of New York at Stony Brook*, Stony Brook, NY, US.
- Cogni, Rodrigo.** (2005). Slobodkin award. U\$500.00. *Department of Ecology and Evolution*, *State University of New York at Stony Brook*, Stony Brook, NY, US.
- Dixon, Jennifer.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Ehmer, Adam.** (2005-2006) Student Travel Award, \$500. *Southwestern Association of Naturalists Annual Meeting*, Colima Mexico.
- Ehmer, Adam.** (2006) Sokal Award, \$500. *Department of Ecology and Evolution*, *State University of New York at Stony Brook*, Stony Brook, NY.
- Gray, Sarah.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Gray, Sarah.** (2006) Lawrence B. Slobodkin Award, \$500. *Department of Ecology and Evolution*. *State University of New York at Stony Brook*, Stony Brook, NY.
- Harnett, Roberta.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.

Ecology and Evolution

- Hickman, Jonathan E.** (2005) Fellowship in Ecological Restoration, \$8,000. *Garden Club of America*. New York, NY.
- Hock, J. Matthew.** (2006) AMS Student Research Fellowship, \$700. *American Microscopical Society*, USA.
- Jensen, Christopher X.J.** (2005-2006) National Science Foundation Graduate Research Fellowship, \$38,500. *National Science Foundation*, Washington, DC.
- Knowlton, Jessie.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Knowlton, Jessie.** (2006) Travel Grant, \$500. *National Science Foundation*, Arlington, VA.
- Knowlton, Jessie.** (2006) Honorable Mention. *National Science Foundation Graduate Research Fellowship Program*, Arlington, VA.
- Knowlton, Jessie.** (2006) Alternate. *Fulbright*, New York, NY.
- Lashbrook, Nicole.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Menéndez-Guerrero, Pablo.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Moen, Daniel.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Moen, Daniel.** (2005) Henri Seibert Award, Best Student Paper in Evolution and Systematics, \$200. *Society for the Study of Amphibians and Reptiles*.
- Wright, Patricia, and **Morelli, Toni L.** (2006-2007) Doctoral Dissertation Improvement Grant, \$12,000. *National Science Foundation*, Washington, DC.
- Morelli, Toni L.** (2006) Research grant, \$13,000. *Louis Leakey Foundation*, Washington, DC.
- Morelli, Toni L.** (2005) Margot Marsh Biodiversity Fund grant, \$10,000. *Conservation International*, Washington, DC.
- Natali, Susan.** (2006-2007) Graduate Research Environmental Fellowship, \$21,200/year plus tuition and benefits. *Department of Energy*, Oak Ridge, TN.
- Noto, Christopher R.** (2006) Professional Development Funds, \$590. *Graduate Student Employees Union—CWA 1104*, Farmingdale, NY.
- O'Donnell, Kelly** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Oikawa, Patricia.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Oikawa, Patricia.** (2006) Biosphere-Atmosphere Research and Training (BART), \$33,000/year for two years. *National Science Foundation through the University of Michigan Biological Station*, Ann Arbor, MI.
- Ostrowski, Summer.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Ruggiero, David.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Stoebel, Daniel.** Graduate Council Fellowship. *State University of New York at Stony Brook*, Stony Brook, NY.

- Tran, J. Khai.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Velásquez-Tibatá, Jorge.** (2005-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Velásquez-Tibatá, Jorge.** (2005) Tinker Field Research Grant. \$1150. *Latin American and Caribbean Studies Center*, Stony Brook University, Stony Brook, NY.
- Velásquez-Tibatá, Jorge.** (2005) Alumni Grant. \$1500. *The BP Conservation Programme* (British Petroleum, Wildlife Conservation Society, Fauna and Flora International, BirdLife International), Cambridge, UK.
- Verdolin, Jennifer.** (2006) Slobodkin Awards for Student Research, \$500.00. *State University of New York at Stony Brook*, Stony Brook, NY.
- Walls, Ramona.** (2005-2006) NSF Predoctoral Fellowship. \$42,5000. *National Science Foundation*, Arlington, VA.
- Walls, Ramona.** (2006) Community Service Leadership Award. *Stony Brook University Campus Life Awards*, Stony Brook, NY.
- Walls, Ramona.** (2006) Service Award. *Stony Brook University Graduate Student Organization*, Stony Brook, NY.
- Yukilevich, Roman**, and True, John R. (2006) DEB-0608378. Dissertation Improvement Grant. Title: Colonization history and genetic structure of incipient sexual isolation between USA and Caribbean populations of *Drosophila melanogaster*. \$12,000. *National Science Foundation* (NSF). 4201 Wilson Blvd. Arlington. VA.
- Yule, Jeffrey V.** (2004-2006) Presidential Fellowship, \$2,500. *State University of New York at Stony Brook*, Stony Brook, NY.
- Yule, Jeffrey V.** (2006) Turkana Basin Summer Fellowship \$2500. *Turkana Basin Institute*. Nairobi, Kenya/Stony Brook, NY.

❖ **Singly Authored Publications/Research Reports/Reviews**

- Moen, Daniel.** (2006) Cope's rule in cryptodiran turtles: do the body sizes of extant species reflect a trend of phyletic size increase? *Journal of Evolutionary Biology* 19(4):1210-21.
- Velásquez-Tibatá, Jorge.** (2006) El loro Orejiamarillo: ¿una especie todavía en estado crítico de amenaza? *Boletín SAO XVI*:1-3.
- Verdolin, Jennifer.** (2006) Meta-analysis of foraging and predation risk trade-offs in terrestrial systems. *Behavioral Ecology and Sociobiology* (2006).
- Yukilevich, Roman.** (2005) Dispersal evolution in fragmented habitats: the interplay between the tendency and ability to disperse. *Evolutionary Ecology Research* 7(7):973-992.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Aguirre, W.E.**, Shervette, V.R., Cevallos, R., Gonzalez, M., and Pozo, F. (2006) Occurrence of *Sphoeroides rosenblatti* (Teleostei: Tetraodontidae) along the continental coast of Ecuador, with a comparison to sympatric *Sphoeroides annulatus*. *Revista de Biología Marina y Oceanografía* (submitted).

- Shervette, V.R., **Aguirre, W.E.**, Cevallos, R., Gonzalez, M., Pozo, F., Blacio, E., and Gelwick, F. (2006) Fish communities of a disturbed mangrove wetland and an adjacent tidal river in Palmar, Ecuador. *Estuarine. Coastal and Shelf Science* (submitted).
- Aguirre, W.E.** (2006) Review of Frozen earth : the once and future story of ice ages by Doug Macdougall. *Quarterly Review of Biology* 78(1):110.
- Aguirre, W.E.**, and V.R. Shervette. (2005). Morphological diversity of the *Cynoscion* group (Perciformes: Sciaenidae) in the Gulf of Guayaquil, Ecuador (Perciformes: Sciaenidae), a comparative approach. *Environmental Biology of Fishes* 73:403-413.
- Gomes-Solecki, M.J.C., **Brisson, D.**, and Dattwyler, R.J. (2005) Oral vaccine that breaks the transmission cycle of the Lyme disease spirochete can be delivered via bait. *Vaccine* 24(20):4440-9.
- Brisson, D.**, and Dykhuizen, D.E. (2005) A modest model explains the distribution and abundance of *Borrelia burgdorferi* strains. *American Journal of Tropical Medicine and Hygiene* 74(4):615-622.
- Leger, E.A., Howe, K.M., Gurevitch, J., Woo, E., **Hickman, Jonathan E.**, and Lerdau, M.T. (2005) Nitrogen additions and natural enemies in eastern forests: native and exotic species response to resource manipulation in two community types. *Ecology Letters* (submitted).
- Hickman, Jonathan E.**, and Lerdau, M.T. (2006) N-fixation by the invader kudzu: impacts on invaded communities and ecosystems. *Ecological Restoration* (in press).
- Erb, W.M., St. Clair, Elizabeth M., and **Jonas, M.** (2006) From syntax to synapomorphies. *Evolutionary Anthropology* 15(4):119-120.
- Menéndez-Guerrero, Pablo**, Ron, S.R., and Graham, C.H. (2006) Predicting the distribution and spread of pathogens to amphibians. *Threatened Amphibians of the World*. M. Hoffmann, Ed. Barcelona, Spain: Lynx Ediciones (in press).
- Hayes, R.A., **Morelli, Toni L.**, and Wright, P. C. (2006) Volatile components of lemur scent secretions vary throughout the year. *American Journal of Primatology* (in press).
- Hayes, R.A., **Morelli, Toni L.**, and Wright, P.C. (2005) The chemistry of scent marking in two lemurs: *Lemur catta* and *Propithecus verreauxi coquereli*. *Chemical Signals in Vertebrates X*. R.T. Mason, M.P. LeMaster, and D. Müller-Schwarze, Eds. New York: Kluwer/Plenum/Academic Press: 159-167.
- Pochron, S.T., **Morelli, Toni L.**, Scirbona, J., and Wright, P.C. (2005) Sex differences in scent marking in *Propithecus edwardsi* of Ranomafana National Park, Madagascar. *American Journal of Primatology* 66: 97-110.
- Pochron, S.T., **Morelli, Toni L.**, Terranova, P., Scirbona, J., Cohen, J., Kunapareddy, G., Rakotonirina, G., Ratsimbazafy, R., Rakotosoa, R., and Wright, P.C. (2005) Patterns of male scent marking in *Propithecus edwardsi* of Ranomafana National Park, Madagascar. *American Journal of Primatology* 65:103-115.
- Muth, N.Z.**, and Pigliucci, M. (2006) Traits of invasives reconsidered: phenotypic comparisons of introduced invasive and introduced non-invasive plant species within two closely related clades. *American Journal of Botany* 93(2):88-195.
- Bole, Greg, Jonas, Mark, Miyazaki, Joan M., and **Noto, Christopher R.** (2005) *Foundations of Scientific Research: Laboratory Manual for Introductory Biology*, Seventh Edition. Pacific Crest. Lisle, IL.
- Velásquez-Tibatá, Jorge**, and **López-Arévalo, H.** (2006). Análisis de vacíos y prioridades de conservación de los loros (Psittacidae) amenazados de Colombia. *Conservación Colombiana* (in press).
- True, John R., **Yeh, Shu-Dan**, Hovemann, Bernhard T., Kemme, Tobias, Meinertzhagen, Ian A., Edwards, Tara N., Liou, Shia-Ren, Han, Qian, and Li, Jianyong. (2005) *Drosophila tan* encodes a novel hydrolase required in pigmentation and vision. *PLoS Genetics* 1(5): e63.

Yeh, Shu-Dan, Liou, Shain-Ren, and True, John R. (2006) Genetics of divergence in male wing pigmentation and courtship behavior between *Drosophila elegans* and *D. gunungcola*. *Heredity* 96(5):383-395.

Prud'homme, Benjamin, Gompel, Nicolas, Rokas, Antonis, Kassner, Victoria A., Williams, Thomas M., **Yeh, Shu-Dan**, True, John R., and Carroll, Sean B. (2006) Repeated morphological evolution through *cis*-regulatory changes in a pleiotropic gene. *Nature* 440:1050-1053.

Yukilevich, Roman, and True, J.R. (2006) Divergent outcomes of reinforcement speciation: The relative importance of assortative mating and migration modification. *American Naturalist* (in press).

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

Aguirre, W.E., Shervette, V.R., Cevallos, R., Gonzales, M., and Pozo, F. (2005) Occurrence of a recently described pufferfish *Sphoeroides rosenblatti* (Teleostei: Tetradontidae) along the continental coast of Ecuador. Eighteenth Biennial Conference of the Estuarine Research Federation. Norfolk, VA.

Aguirre, W.E. (2005) The evolutionary trajectory of a recently established threespine stickleback population. 1. Society for the Study of Evolution Meeting. Fairbanks, AK.

Shervette, V.R., **Aguirre, W.E.**, Cevallos, R., Gonzales, M., Pozo, F., Blacio, E., and Gelwick, F. (2005) Fish communities of a disturbed mangrove wetland and an adjacent tidal river in Palmar, Ecuador. *American Society of Ichthyologists and Herpetologists Meeting and the American Society of Ichthyologists and Herpetologists Meeting*. Tampa, FL

Allen, Bengt J. (2006) A new invasive species threatens salt marsh productivity, *Friends of Flax Pond Winter Lecture Series*. Old Field, NY.

Allen, Bengt J. (2006) Costs of sexual selection in fiddler crabs, *Long Island Marine Association*. Garden City, NY.

Allen, Bengt J. (2005) A natural history of fiddler crabs in Flax Pond, *Friends of Flax Pond Winter Lecture Series*. Old Field, NY.

Banta, Joshua, and Pigliucci, M. (2005) Plasticity to nutrients and herbivory in wild populations of *Arabidopsis thaliana*. *Society for the Study of Evolution Annual Meeting*. Fairbanks, AK. (oral presentation)

Brisson, D. (2005) Suburbs and the rise of vector-borne diseases. *Stony Brook University Department of Ecology and Evolution*. Stony Brook, NY.

Brisson, D. (2005) Suburbs and the rise of vector-borne diseases. *University of Massachusetts*. Amherst, MA.

Hickman, Jonathan E., Howe, K.M., Ashton, I.W., Gurevitch, J., and Lerdau, M.T. (2005) Decomposition dynamics of native and invasive litter in single and two-species mixes. *Northeast Ecology and Evolution Conference*. University Park, PA. (poster presentation)

Hickman, Jonathan E., Howe, K.M., Ashton, I.W., Gurevitch, J., and Lerdau, M.T. (2004) Interactions in the decomposition of native and invasive litter in a northeastern hardwood forest. *Ecological Society of America*. Portland, OR. (poster presentation)

Hickman, Jonathan E., and Howe, K.M. (2004) Interactions in the decomposition of native and invasive litter. *Northeast Ecology and Evolution Conference*. Storrs, CT. (poster presentation)

Jensen, Christopher X.J., (2005) Are the prey-and ration-dependent functional responses really extremes along a continuum of predator interference? *Ecological Society of America Annual Meeting*, Montreal, QC Canada.

- Knowlton, Jessie.** (2006) Exotic Mammal Introduction and Native Mammal Conservation on the California Channel Islands, U.S.A., and Pacific Baja Islands, México. *The Ecological Society of America: Ecology in an Era of Globalization Conference*. Merida, México.
- Moen, Daniel.** (2005) Cope's rule in cryptodiran turtles: do the body sizes of extant species reflect a trend of phyletic size increase? *Joint Annual Meeting of Ichthyologists and Herpetologists*. Tampa, FL.
- Morelli, Toni L.** (2006) Are Protected Areas Really Protecting Lemurs? A Look at the Genetic Diversity In and Around Ranomafana National Park, Madagascar. *Student Conference on Conservation Science*. Durham, NC.
- Morelli, Toni L.** (2006) Expect the Unexpected: Mating Monogamy in a Purportedly Polygamous Prosimian, Molecular Primatology. *New York University*. New York, NY.
- Morelli, Toni L., Farris, Z.J., Louis, E.E., and Wright, P.C.** (2006) Kin selection and mate choice in sifakas (*Propithecus edwardsi*), Ranomafana National Park, Madagascar. *American Society of Primatology*. Portland, OR.
- Morelli, Toni L., Louis, E.E., and Wright, P.C.** (2006) Factors affecting affiliation and aggression in a wild lemur (*Propithecus edwardsi*) in Ranomafana National Park, Madagascar. *Animal Behaviour Society*. Snowbird, UT.
- Morelli, Toni L., Pochron, S.T., Terranova, P., Scirbona, J., Cohen, J., Kunapareddy, G., Rakotonirina, G., Ratsimbazafy, R., Rakotosoa, R., and Wright, P.C.** (2006) Patterns of scent marking in *Propithecus edwardsi* of Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology* 130:166-167.
- Muth, N.Z., and Niesenbaum, R.A.** (2006) Where is spicebush the spiciest? – Variation in leaf quality, chemistry, and herbivory in *Lindera benzoin*. *Lehigh Valley Ecology and Evolution Symposium*. Bethlehem, PA.
- Noto, Christopher R., and Grossman, Ari.** (2005) Dinosaur functional morphology and Late Jurassic ecological diversity. *Society of Vertebrate Paleontology Annual Meeting*. Mesa, AZ. *Journal of Vertebrate Paleontology* 25(3): 97A.
- Noto, Christopher R.** (2005) The role of climate in determining vertebrate fossil preservation and distribution patterns. *Geological Society of America Annual Meeting*. Salt Lake City, UT.
- Rees, Peter, **Noto, Christopher R., and Weishampel, David.** (2005) A new online database of dinosaur distributions. *Society of Vertebrate Paleontology Annual Meeting*. Mesa, AZ. *Journal of Vertebrate Paleontology* 25(3):103A.
- Velásquez-Tibatá, Jorge, and López-Arévalo, H.** (2005) *Gap Analysis and Conservation Priorities for Threatened Parrots of Colombia*. Society for Conservation Biology Meetings, Brasilia, Brazil.
- Walls, Ramona, Richards, Christina, and Pigliucci, Massimo.** (2005) Phenotypic Evolution in invasive Fallopia on Long Island, New York. *New England Invasive Plants Summit*. Framingham, MA. (oral presentation)
- Yukilevich, Roman, and True, John R.** (2005) Talk: Extrinsic postmating isolation dramatically broadens conditions for reinforcement speciation. *Evolution Conference. Society for Studies of Evolution*. Fairbanks, AK.
- Yeh, Shu-Dan, Liou, Shian-Ren, and True, John R.** (2005) Genetics of divergence in pigmentation and courtship between *Drosophila elegans* and *D. gunungcola*. *Evolution 2005*. Fairbanks, AK.
- Yule, Jeffrey V., Jensen, C.X.J., and Ginzburg, L.** (2006) Opening the black boxes: Interpreting and developing Late Pleistocene megafaunal extinction models. *Department of Ecology and Evolution Annual Retreat, State University of New York at Stony Brook*. Stony Brook NY.
- Yule, Jeffrey V., Jensen, C.X.J., and Ginzburg, L.** (2005) Transparency and minimalism: ecological modeling of Late Pleistocene megafaunal extinctions. *2005 Society of Vertebrate Paleontology Meeting*. Mesa, AZ.

❖ **Translations**

Velásquez-Tibatá, Jorge et al. (2006) *Expedition Field Techniques: Bird Surveys*. Bibby C., Jones M, Marsden S. BirdLife International, Cambridge UK (in prep).

❖ **Post-Doctorates Obtained and Professional Appointments**

Ashton, Isabel. (2005) Post-doctoral fellow. *University of California*, Irvine, CA.

Brisson, D. (2007) Assistant Professor of Disease Ecology. *University of Pennsylvania*, Philadelphia, PA.

Muth, N.Z. (2005) Postdoctoral teaching and research associate. Biology Department, *Muhlenberg College*, Allentown, PA.

Stephens, Patrick. (2005) Post-doctoral fellow. *University of California*, Santa Barbara, CA.

Velásquez-Tibatá, Jorge (2005-present) Editorial committee member. *Boletín SAO*, Medellín, Colombia.

Velásquez-Tibatá, Jorge (2005-present) Conservation Program Application Reviewer. *BP*, Cambridge, UK.

❖ **Reviews**

Yule, Jeffrey V. (2006) Resurrection Ecology in the Service of America's Evolutionary Legacy. Review of *Twilight of the Mammoths: Ice Age Extinctions and the Rewilding of America* by Paul Martin. *Conservation Biology* 20(4):1326-1328.

Yule, Jeffrey V. (2006) Review of *The Oceans of Kansas: A Natural History of the Western Interior Sea* by Michael J. Everhart. *Copeia* (in press).

Yule, Jeffrey V. (2006) Review of *Decade of the Wolf: Returning the Wild to Yellowstone* by Douglas W. Smith, and Gary Ferguson. *The Quarterly Review of Biology* 81:189.

Yule, Jeffrey V. (2006) Review of *The Shrinking World: Ecological Consequences of Habitat Loss* by Ilkka Hanski. *The Quarterly Review of Biology* 81:77.

ECONOMICS

GRADUATE DIRECTOR: SANDRA BRUSCO

DEPARTMENT CHAIRS: WARREN SANDERSON; WILLIAMS DAWES

❖ Grants, Fellowships and Awards

Ali, Mir. (2006) SUNY-GSEU Professional Development Fund, \$600. *SUNY-GSEU*, Stonybrook, NY.

Bhattacharya, Partha. (2006) SUNY-GSEU Professional Development Fund, \$600. *SUNY-GSEU*, Stonybrook, NY.

Chen, Jie. (2006) SUNY-GSEU Professional Development Fund, \$235. *SUNY-GSEU*, Stonybrook, NY.

Di, Yanan. (2006) Research Access Program, \$200. *GSO, Stony Brook University*, Stony Brook, NY.

Liu, Hong. (2006) Research Access Program, \$200. *GSO, Stony Brook University*, Stony Brook, NY.

Yin, Na. (2006) President's Awards for excellence in Teaching by a Graduate Student, Stony Brook, NY.

Yin, Na. (2005) Economics Department Award for Outstanding Teaching by a Graduate Student Instructor. Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Jang, S., **Weng, M.**, and Wang, Y. (2005) Industrial Diversification and Its Impact on Productivity Growth in Taiwan's electronic Industry. *Asian Economic Journal* 19(4): 423-444.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Ali, Mir. (2006) Initiation and Addiction: An Analysis of Adolescent Addiction Behavior. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA.

Ali, Mir., and Dwyer, Debra (2006) Health and Retirement Revisited: An Analysis of Reporting Bias and Measurement Error by Gender. *Society of Labor Economics Annual Conference*. Cambridge, MA.

Bhattacharya, Partha. (2006) The Role of Physicians' Practice Setting and freedom on Income. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA.

Bhattacharya, Partha. (2006) Physicians' Practice Setting in income Determination: The Importance of Flexibility. *2006 Canadian Economic Association Conference*. Montréal, QC Canada.

Chen, Jie. (2006) Employer's Decision to Offer Health Plan Choices. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA.

Chen, Jie. (2006) The Role of Physicians' Practice Setting and freedom on Income by Partha Bhattacharya. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA.

Chen, Jie. (2006) Initiation and Addiction: An Analysis of Adolescent Addiction Behavior by Mir Ali. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA.

Chen, Yutian. (2005) Outsourcing Spurred by Strategic Competition. *The 16th International Conference on Game Theory*. Stony Brook, NY.

- Di, Yanan.** (2006) Socioeconomic Status and Dental Care Utilization. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA
- Liu, Zhen.** (2005) Agreement of opinions and trade with unawareness. *The 16th International Conference on Game Theory*. Stony Brook, NY.
- Yin, Na.** (2006) Application Decisions to the Social Security Disability Insurance Program and Applicants' Reservation Wages. *Eastern Economics Association 32nd Annual Conference*. Philadelphia, PA.
- Yin, Na.** (2006) 'Tiered Privatization of Social Security' by Sven Larson. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA.
- Liu, Hong.** (2006) Empirical Studies on Imperfect information and Health Care Demand. *32nd Annual Eastern Economic Association Conference*. Philadelphia, PA.

❖ **Internship Appointments**

- Huang, Dandan.** (2005) Financial Analyst. *Royal Bank of Scotland*.

ELECTRICAL AND COMPUTER ENGINEERING

GRADUATE DIRECTOR: YUAN YUAN YANG

DEPARTMENT CHAIR: SERGE LURYI

❖ Grants, Fellowships and Awards

Ying, Wei. (2005-2006) *Sensor Consortium* (Consortium for Security and Medical Sensor Systems), \$6,000, *NSF Partnerships for Innovation*.

❖ Jointly Authored Publications/Research Reports/Reviews

Tang, H. **Wei, Ying**, and Doboli, A. (2005) MINLP Based Topology Synthesis for Delta-Sigma Modulators Optimized for Signal Path Complexity, Sensitivity and Power Consumption. *Proc. of Design, Automation and Test in Europe Conference 2005*:264-269.

Wei, Ying, and Doboli, A. (2005) Systematic Development of Analog Circuit Structural Macromodels through Behavioral Model Decoupling. *Proc. of the Design Automation Conference 2005*:57-62.

Wei, Ying, Doboli, A., and Tang, H. (2006) Systematic Methodology for Designing Reconfigurable Delta Sigma Modulator Topologies for Multimode Communication Systems. *Proc. of Design, Automation and Test in Europe Conference 2006*:393-398.

Wei, Ying, and Doboli, A. (2006) Library of Structural Analog Cell Macromodels for Design of Continuous-Time Reconfigurable Delta-Sigma Modulators. *Circuits and Systems* (in press).

Wei, Ying, and Doboli, A. (2006) Systematic Development of Nonlinear Analog Circuit Macromodels through Successive Operator Composition and Nonlinear Model Decoupling. *Proceedings of the 43rd annual conference on Design automation 2006*:1023 - 1028

Zhang, X., De Cock, K., Bugallo, M., and Djuric, P. (2005) A general method for the computation of probabilities in systems of first-order chemical reactions. *Journal of Chemical Physics* 122 (10):104101.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Kallakuri, Sankalp, and Doboli, A. (2005) Energy Conscious Online Architecture Adaptation for Varying Latency Constraints in Sensor Network Applications. *International Conference on Hardware/Software Co-design and System Synthesis (CODES'05)*. Jersey City, NJ.

Wei, Ying. (2005) MINLP Based Topology Synthesis for Delta-Sigma Modulators Optimized for Signal Path Complexity, Sensitivity and Power Consumption. *Design, Automation and Test in Europe Conference (DATE'05)*. Munich, Germany.

Wei, Ying. (2005) Systematic Development of Analog Circuit Structural Macromodels through Behavioral Model Decoupling. *Design Automation Conference (DAC'05)*. Anaheim, CA.

Wei, Ying. (2006) Systematic Methodology for Designing Reconfigurable Delta Sigma Modulator Topologies for Multimode Communication Systems. *Design, Automation and Test in Europe Conference (DATE'06)*. Munich, Germany.

- Zhang, X.**, De Cock, K., Bugallo, M., and Djuric, P. (2005) An application of system theory to stochastic models for first order chemical reactions. *IEEE International Conference on Acoustics, Speech, and Signal Processing*. Philadelphia, PA.
- Manganas, L.N., **Zhang, X.**, Hazel, R., Enikolopov, G., Benveniste, H., Colognato, H., Wagshul, M., Djuric, P., and Maletic-Savatic, M. (2005) Neural stem cells imaging in the human brain *130th annual meeting of American Neurological Association*. San Diego, CA.
- Manganas, L.N., **Zhang, X.**, Hazel, R., Enikolopov, G., Benveniste, H., Colognato, H., Wagshul, M., Djuric, P., and Maletic-Savatic, M. (2006) Identification of the neural stem cells in the human brain by magnetic resonance spectroscopy. *14th Annual meeting of the International Society of Magnetic Resonance in Medicine*. Seattle, WA.
- Hazel, R., Manganas, L.N., **Zhang, X.**, Enikolopov, G., Benveniste, H., Colognato, H., Wagshul, M., Djuric, P., and Maletic-Savatic, M. (2006) Identification of Neural Stem Cells in Rat Brain Using Their Specific Magnetic Resonance Spectroscopy Signature. *14th annual meeting of the International Society of Magnetic Resonance in Medicine*. Seattle, WA.

❖ **Internship Appointments**

- Kallakuri, Sankalp.** (2005) Performance Architect. Server Platforms Performance Group, *Intel Corporation*, Hillsboro, OR.

GENETICS

GRADUATE DIRECTOR: GERALD H. THOMSEN

❖ Grants, Fellowships, and Awards

- Dame, T.M.** (2006) Distinguished Service Award, \$200. *Stony Brook University, Graduate Program in Genetics*, Stony Brook, NY.
- Dame, T.M.** (2006) Howard Hughes Medical Institute Graduate Teaching Fellowship. *LIGASE*, Stony Brook, NY.
- Gersch, Robert.** (2006) Poster presentation award, Silencing Mustang During Chondrocyte Proliferation and Differentiation. *Stony Brook University, Graduate Program in Genetics Annual Retreat*, Stony Brook, NY
- Gersch, Robert.** (2006) Distinguished Service Award. *Stony Brook University, Graduate Student Organization (GSO)*, Stony Brook, NY.
- Mese, Gulistan.** (2005) American Society for Cell Biology (ASCB) Predoctoral Student Travel Award, \$400. *American Society for Cell Biology (ASCB)*, Bethesda, MD.
- Nolan, Marissa.** (2006), Distinguished Service Award, \$200. *Stony Brook University, Graduate Program in Genetics*, Stony Brook, NY.
- Okan, Nihal A.** (2006) Corporate Activities Program Student Travel Grant Award.
- Siolas, Despina,** and Hannon, Gregory. (2005) Breast Cancer Research Program Idea Award, \$500,000/3 years. *Department of Defense*, Washington, DC.

❖ Jointly Authored Publications/Research Reports/Reviews

- DeRosa, Adam M.,** Mui, Rickie, Srinivas, Miduturu, and White, Thomas W. (2006) Functional characterization of a naturally occurring Cx50 Truncation. *Investigative Ophthalmology and Visual Science* 47:4474-4481.
- Xia, Chun-hong, Cheung, Debra, **DeRosa, Adam M.,** Chang, Bo, Lo, Woo-Kuen, White, Thomas W., and Gong, Xiaohua. (2006) Knock-in of $\alpha 3$ (Cx46) connexin prevents severe cataracts caused by an $\alpha 8$ (Cx50)-G22R mutation. *J Cell Science* 119:2138-44.
- Gersch, Robert,** Lombardo, Frank, and Hadjiargyrou, Michael. (2005) Reactivation of Hox gene expression during bone regeneration. *Journal of Orthopaedic Research* 23(4):882-90.
- Zhong, Nan, **Gersch, Robert,** and Hadjiargyrou, Michael (2006) Wnt signaling activation during bone regeneration and the role of Dishevelled in chondrocyte proliferation and differentiation. *Bone* 39(1):5-16.
- Ho, Ivan,** Hannan, F., Tong, J.J., Zhu, Y., Nurnberg, P., and Zhong, Y. (2006) Effect of neurofibromatosis type I mutations on a novel pathway for adenylyl cyclase activation requiring neurofibromin and Ras. *Hum. Mol. Genet.* 15(7):1087-98.
- Okan, Nihal A.,** Bliska, J.B., and Karzai, A.W. (2006) A Role for the SmpB-SsrA system in *Yersinia pseudotuberculosis* pathogenesis. *PLoS Pathogen* 2(1):e6.
- Silva, J.M., Li, M.Z., Chang, K., Ge, W., Golding, M.C., Rickles, R.J., **Siolas, Despina,** Hu, G., Paddison, P.J., Schlabach, M.R., Bradshaw, J., Kulkarni, A., Cavet, G., Sachidanandam, R., McCombie,

W.R., Cleary, M.A., Elledge, S.J., and Hannon, G.J. (2005) Second-generation shRNA libraries covering the mouse and human genomes. *Nature Genetics*. 37(11):1281-8

Siolas, Despina et al. (2005) Synthetic shRNAs as potent RNAi triggers. *Nature Biotechnology* 23(2):227-31. (Identified as “Fast Breaking Paper” by ISI Essential Science Indicators™)

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

Dame, T.M., Orenzoff, B.L., and Furie, M.B. (2006) Partners in Crime: *Borrelia burgdorferi* and Gamma Interferon Induce Synergistic Production of Chemokines, and Enhance Endothelial Recruitment of T Lymphocytes. *Gordon Research Conference: Biology of Spirochetes*. Il Ciocco, Barga, Italy.

DeRosa, Adam M., Gong, X., and White, T.W. (2006) Electrophysiological Properties of Gap Junctions Expressing a Spontaneous Cx50 Mutation. *The Association for Research in Vision and Ophthalmology*. Ft. Lauderdale, FL.

White, T.W. , **DeRosa, Adam M.**, Sellitto, C., Cheung, D., Xia, C.-H., and Gong, X. (2005) Rescue of a Semi-Dominant Connexin50 Cataract (Lop10) by Knock-in of Wild-Type Connexin46. *The Association for Research in Vision and Ophthalmology*. Ft. Lauderdale, FL.

Gersch, Robert. (2006) Functional Perturbation of Mustang in Chondrocytes. *ASBMR*. Philadelphia, PA.

Ho, Ivan. (2006) Neurofibromatosis type 1 is involved in learning and memory processes (platform). *47th Annual Drosophila Research Conference*. Houston, TX.

Mese, Gulistan. (2005) Functional Comparison of Connexin26 Wild Type and Deafness-Causing Mutant Channels. *American Society for Cell Biology (ASCB) 45th Annual Meeting*, San Francisco, CA.

Nolan, Marissa, Basu, S., and Muthuswamy, S.K. (2005) Biological effects of Par6 over-expression in mammary epithelia. *The American Society for Cell Biology 45th Annual Mtg.* San Francisco, CA.

Nolan, Marissa, and Muthuswamy, S.K. (2005) Biological effects of activating ErbB2 receptor tyrosine kinase in polarized growth arrested mammary epithelia. *Era of Hope, Department of Defense Breast Cancer Research Program Meeting*. Philadelphia, PA

Okan, Nihal A., and Karzai, A.W. (2005) A Role for the SmpB-SsrA System in *Yersinia pseudotuberculosis* Pathogenesis. *International Union of Microbiological Societies*. San Francisco, CA.

Okan, Nihal A., Bliska J.B., and Karzai, A.W. (2006) Characterization of smpB-ssrA Mutations in *Yersinia pseudotuberculosis*. *106th General Mtg. of the American Society for Microbiology*. Orlando, FL.

GEOSCIENCES

GRADUATE DIRECTOR: WILLIAM HOLT
DEPARTMENT CHAIR: TENG-FONG WONG

❖ Grants, Fellowships, and Awards

- Filiberto, Justin.** (2005) Student Travel Award, \$1500. *Cosmochemistry Program, Meteoritical Society*. Knoxville, TN.
- Hahn, Brian C.** (2005) Student Travel Grant, \$2240. Planet Mars II Conference – Les Hauches, France, *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Hahn, Brian C.** (2005) Travel Grant, \$1400. NASA Planetary Science Summer School, *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Hahn, Brian C.** (2005) NASA Group Achievement Award. Mars Exploration Rover Second Extended Mission Team. *NASA*, Washington, DC.
- Hernandez, Daniel.** (2005) Outstanding Teaching Assistant, \$25. *Stony Brook University*, Stony Brook, NY.
- Hurowitz, J.A.** (2006) NASA Group Achievement Award for the Mars Exploration Rover Second Extended Mission Team.
- Tang, Y.** (2005) Dr. Mow Shiah Lin Scholarship, \$1000. *BERA's Asian Pacific American Association (APAA)*, Brookhaven National Laboratory, Upton, NY.
- Tosca, N.J.**, and the Athena Science Team. (2005) NASA Group Achievement Award. *Mars Exploration Rover Mission*.
- Wander, Matthew C.F.** (2006) CEMS grant for travel funds The Reduction of Uranyl and Chromate to Insoluble Species by Green Rust and Other Ferrous Hydroxides, *Kevin M. Rosso at PNNL*.
- Wander, Matthew C.F.** (2005) CEMS grant for travel funds Redox Kinetics of Uranium on Magnetite; A Theoretical Study, *Kevin M. Rosso at PNNL*.
- Yu, T.** (2005) Travel Award, \$500. Workshop on Rheology and Elasticity Studies at Ultra-High Pressures and Temperatures, Advanced Photon Source, *Argonne National Laboratory*, Argonne, IL.
- Yu, T.** (2005) Travel Award, \$3000. Tokyo Summer School of Frontier Chemistry 2005, *University of Tokyo*, Tokyo, Japan.
- Yu, W.** (2005) Travel support, \$493. Gordon Research Conference - *Interior of the Earth*, Mount Holyoke, MA.
- Yu, W.** (2006) Travel support, \$500. *Incorporated Research Institutions for Seismology Consortium (IRIS)* annual workshop, Tucson, AZ.

❖ Jointly Authored Publications/Research Reports/Reviews

- Michel, F.M., **Antao, S.M.**, Chupas, P.J., Lee, P.L., Parise, J.B., and Schoonen, Martin A.A. (2005) The short-to medium-range atomic order and crystallite size of the initial FeS precipitate from pair distribution function analysis. *Chemistry of Materials* 17(25):6246-6255.
- Parise, J.B., **Antao, S.M.**, Michel, F.M., Martin, C.D., Chupas, P.J., Shastri, S., and Lee, P.L. (2005) Quantitative high-pressure pair distribution function analysis. *Journal of Synchrotron Radiation*. 12(5):554-559.

- Antao, S.M.**, Hassan, I., Crichton, W.A., and Parise, J.B. (2005) Effects of high pressure and temperature on cation ordering in magnesioferrite, MgFe_2O_4 , using in situ synchrotron X-ray powder diffraction up to 1430 K and 6 GPa. *American Mineralogist* 90(10):1500-1505.
- Parise, J.B., **Antao, S.M.**, Martin, C.D., and Crichton, W.A. (2005) Diffraction studies of order-disorder at high pressures and temperatures. *Powder Diffraction* 20(2):80-86.
- Hassan, Ishmael, **Antao, S.M.**, and Parise, John B. (2006) Cancrinite: Crystal structure, phase transitions, and dehydration behavior with temperature. *American Mineralogist* 91:1117-1124.
- Clearfield, A., Tripathi, A., Medvedev, D., **Celestian, A.J.**, and Parise, J.B. (2006) In situ type study of hydrothermally prepared titanates and silicotitanates. *Journal of Materials Science* 41(5): 1325-1333.
- Nyman, M., **Celestian, A.J.**, Holland, G.P., Alam, T.M., and Parise, J. B. (2006) Solid-state Structural Characterization of a Rigid Framework of Lacunary Heteropolyniobates. *Inorganic Chemistry* 45(3):1043-1052.
- Celestian, A.J.**, Medvedev, D.G., Tripathi, A., Parise, J.B., and Clearfield, A. (2005) Optimizing synthesis of $\text{Na}_2\text{Ti}_2\text{SiO}_7 \cdot 2\text{H}_2\text{O}$ (Na-CST) and ion exchange pathways for $\text{Cs}_{0.4}\text{H}_{1.6}\text{Ti}_2\text{SiO}_7 \cdot \text{H}_2\text{O}$ (Cs-CST) determined from *in situ* synchrotron X-ray powder diffraction. *Nucl. Instrum. Meth. B.* 238:61-69.
- Bonhomme, F., Alam, T.M., **Celestian, A.J.**, Tallant D., Boyle, T.J., Cherry, B.R., Tissot, R.G., Rodriguez, M.A., Parise, J.B., and Nyman, M. (2005) Tribasic Lead Maleate and Lead Maleate: Synthesis, Structural and Spectroscopic Characterizations. *Inorganic Chemistry* 44(21):7394-7402.
- Colligan, M., Lee, Y., Vogt, T., **Celestian, A.J.**, Parise, J.B., Marshall, W., and Hriljac, J.A. (2005) High-Pressure Neutron Powder Diffraction Study of Superhydrated Natrolite. *Journal of Physical Chemistry B* 109(39):18223 -18225.
- Cohn, C.A.**, Laffers, R., and Schoonen, Martin A.A. (2006) Using yeast RNA as a probe for generation of hydroxyl radicals by earth materials. *Environmental Science and Technology* 40(8): 2838-2843.
- Cohn, C.A.**, Mueller, S., Wimmer, E., Leifer, N., Greenbaum, S., Strongin, D., and Schoonen, Martin A.A. (2006) Nucleic acid decomposition by pyrite-generated hydroxyl radicals. *Geochem Trans.* 7(3):doi: 10.1186/1467-4866-7-3.
- Cohn, C.A.**, Pak, A., Strongin, D., and Schoonen, M.A.A (2005) Quantifying hydrogen peroxide from iron-containing minerals and waste using leuco crystal violet. *Geochem Trans.* 6(3): 47-51.
- Dimitrova, Lada L.**, Holt, William E., Haines, A. John, and Schultz, R.A. (2006) Toward understanding the history and mechanisms of Martian faulting: The contribution of gravitational potential energy. *Geophys. Res. Lett.* 33: doi:10.1029/2005GL025307.
- Filiberto, Justin**, Nekvasil, Hanna, and Lindsley, Donald H. (2006) The Earth/Mars dichotomy in Mg/Si and Al/Si ratios: Is it real? *Am. Mineralogist* 91: 471-474.
- Ghosh, A.**, Holt, W.E., Flesch, L.M., and Haines, A.J. (2006) Gravitational Potential Energy of the Tibetan Plateau and the Forces Driving the Indian Plate. *Geology* 34(5):321-324.
- Grant, J.A., Arvidson, R.E., Crumpler, L.S., Golombek, M.P., **Hahn, Brian C.**, Haldemann, A.F.C., Li, R., Soderblom, L.A., Squyres, S.W., Wright, S.P., and Watters, W.A. (2006), Crater gradation in Gusev crater and Meridiani Planum, Mars. *J. Geophys. Res.* 111:doi:10.1029/2005JE002465.
- Hurowitz, J.A.**, McLennan, S.M., Lindsley, D.H., and Schoonen, Martin A.A. (2005) Experimental epithermal alteration of synthetic Los Angeles meteorite: Implications for the origin of Martian soils and identification of hydrothermal sites on Mars. *Journal of Geophysical Research - Planets* 110: doi:10.1029/2004JE002391.
- Hurowitz, J.A.**, and McLennan, S.M. (2005) Geochemistry of Cambro-Ordovician sedimentary rocks of the northeastern USA: Changes in sediment sources at the onset of Taconian orogenesis. *Journal of Geology* 113:571-587.

- Tosca, N.J.**, McLennan, S.M., Clark, B.C., Grotzinger, J.P., **Hurowitz, J.A.**, Knoll, A.H., Schröder, C., and Squyres, S.W. (2005) Geochemical modeling of evaporation processes on Mars: Insight from the sedimentary record at Meridiani Planum. *Earth and Planetary Science Letters* 240(1):122-148.
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- Smirnov, Alexander**, Hausner, D., Strongin, D.R., and Schoonen, Martin A.A. (2006) Abiotic Formation of Ammonium in Hadean Hydrothermal Systems. *Astrobiology Science Conference*. Washington, DC, *Astrobiology* 6(1):122.
- Smirnov, Alexander**, Schoonen, Martin A.A., **Tosca, N.J.**, Chidambaram, D., Halada, G., and Luptak, B. (2005) Abiotic Formation and Fate of Ammonium in the Hadean Ocean. *NASA Astrobiology Institute General Meeting*. Boulder, CO. *Astrobiology* 5(2):277.
- Smirnov, Alexander**. (2006) Ammonium in the Hadean Ocean: Abiotic Pathways of Formation and Sequestration. *The Geophysical Laboratory - Carnegie Institution*. Washington, DC.
- Tang, Y.**, Elzinga, E.J., Lee, Y.J., and Reeder, R.J. (2005) Coprecipitation of Cr(VI) with calcite: Batch experiments and spectroscopic study. *National Synchrotron Light Source Lunch Seminar*. Upton, NY. (oral presentation)
- Tang, Y.**, Elzinga, E.J., Lee, Y.J., and Reeder, R.J. (2005) Coprecipitation of Cr(VI) with calcite: Batch experiments and spectroscopic study. *Synchrotron Environmental Science III Meeting I*. Upton, NY. (Abstract and poster presentation)
- Tang, Y.**, Elzinga, E.J., Lee, Y.J., and Reeder, R.J. (2005) Coprecipitation of chromate with calcite: Batch experiments and spectroscopic study. *230th American Chemical Society Fall 2005 National Meeting: In-situ Methods and Investigations in Environmental Science*. Washington, DC. (Abstract and oral presentation)
- Tang, Y.**, Elzinga, E.J., Lee, Y.J., and Reeder, R.J. (2005) Coprecipitation of Cr(VI) with calcite : Batch experiments and spectroscopic characterization. *Center for Environmental Molecular Sciences (CEMS) Spring 2005 Meeting*, SUNY-Stony Brook. (poster presentation)
- Tembe, S.**, Lockner, D.A., Solum, J., Morrow, C., Wong, T.-f., and Moore, D.E. (2006) Implications for strength of the San Andreas Fault Zone from SAFOD cuttings and core. *European Geosciences Union General Assembly*. Vienna, Austria.
- Wong, T.-f., **Tembe, S.**, Louis, L., and Baud, P. (2006) Micromechanics of compaction localization: discrete compaction band formation in two porous sandstones. *European Geosciences Union General Assembly*. Vienna, Austria.
- Tembe, S.**, Lockner, D.A., Solum, J., Morrow, C., Wong, T.-f., and Moore, D.E. (2005) Strength of the San Andreas Fault: Insight from cuttings and core. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Lockner, D.A., Morrow, C., Song, S.-R., **Tembe, S.**, and Wong, T.-f. (2005) Permeability of whole core samples of Chelungpu fault, Taiwan TCDP scientific drillhole. *American Geophysical Union Fall Meeting*. San Francisco, CA. (invited)
- Lockner, D.A., Morrow, C., Song, S.-R., **Tembe, S.**, Wong, T.-f. (2005) Preliminary observations of permeability and shear strength of Chelungpu Fault core samples. *Annual Meeting of the Geological Society*. Taipei, Taiwan.
- Tosca, N.J.** (2006) Aqueous Geochemistry and Secondary Mineralogy of the Martian Surface. *Brown University Geological Science Colloquium*. Providence, RI.
- Tosca, N.J.** (2006) Chemical Divides and Evaporite Mineral Assemblages on Mars. *Brown University Geological Sciences Seminar*. Providence, RI.
- Korotev, R.L., Wang, A., Jolliff, B.L., Haskin, L.A., Crumpler, L., Farrand, W.H., Herkenhoff, K.E., de Souza, P., Kusack, A.G., Hurowitz, J.A., and **Tosca, N.J.** (2005) Phyllosilicates in Woolly Patch outcrop investigated by Spirit Rover at West Spur, Gusev Crater. *Geological Society of America Meeting* 37(7):233-3.
- Tosca, N.J.**, and McLennan, S.M. (2005) Evaporites at Meridiani Planum and implications for surficial processes on Mars. *EOS Trans. American Geophysical Union Fall Meeting* 86(52): Abstract P12A-07.

- Tosca, N.J.**, and McLennan, S.M. (2006) Experimental constraints on evaporation processes at Meridiani Planum. In *Lunar and Planetary Science XXXVII*: Abstract 2260.
- Tosca, N.J.**, and McLennan, S.M. (2006) Constraints on evaporation processes at Meridiani Planum: Combining theoretical and experimental data. *Lunar and Planetary Science XXXVII*: Abstract 2278.
- McLennan, S.M., Arvidson, R.E., Clark, B.C., Grotzinger, J.P., Knoll, A.H., Squyres, S.W., and **Tosca, N.J.** (2006) Constraints on the extent and timing of groundwater diagenesis in the Burns Formation, Meridiani Planum, Mars. *Lunar and Planetary Science XXXVII*: 1926.
- Knoll, A.H., Arvidson, R.E., Grotzinger, J.P., McLennan, S.M., Squyres, S.W., and **Tosca, N.J.** (2006) Toward an integrated understanding of outcrop rocks observed by Opportunity in Meridiani Planum. *Lunar and Planetary Science XXXVII*: Abstract 1655.
- Grotzinger, J.P., Arvidson, R.E., Bell III, J.F., Clark, B.C., Farrand, W.H., Herkenhoff, K., Johnson, J.R., Knoll, A.H., McCartney, E., McLennan, S.M., Parker, T.J., Soderblom, J., Squyres, S.W., Sullivan, R., and **Tosca, N.J.** (2006) Sedimentary facies, subaqueous sediment transport, and depositional environment of the Burns Formation, Meridiani Planum. *Lunar and Planetary Science XXXVII*: Abstract 2254.
- Arvidson, R.E., Squyres, S.W., Grotzinger, J.P., Knoll, A.H., McLennan, S.M., and **Tosca, N.J.** (2006) Regional setting and model for the Meridiani Planum deposits investigated by the Opportunity Mars Exploration Rover. *Lunar and Planetary Science XXXVII*: Abstract 1400.
- Wander, Matthew C.F.**, Kubicki, James D., and Schoonen, Martin A.A. (2006) Reduction of N_2 by Fe^{+2} a Comparison of Homogeneous and Heterogeneous Reactions: A Theoretical Study, *NASA Astrobiology Science Conference*. Washington, DC.
- Rosso, K.M., Skomurski, F.M., **Wander, Matthew C.F.**, Wigginton, N.S., Kerisit, S.N., Yanina, S.V., Toney, M., Gorby, Y.A., Ewing, R.C., Schoonen, Martin A.A., Hochella, M.F., Spormann, A.M., and Brown, G.E. (2006) Advances in Understanding Microbial and Abiotic Electron Transfer at Mineral Surfaces. *OBER ERSP PI Meeting*. Warrenton, VA.
- Wander, Matthew C.F.**, Kevin M. Rosso, and Martin A. A. Schoonen (2006) Green Rust Reduction of Chromium: A Theoretical Study. *Environmental Chemistry Student Symposium, Pennsylvania State University*. University Park, PA.
- Wander, Matthew C.F.**, Kubicki, James D., and Schoonen, Martin A.A. (2005) A Proposed Mechanism for the Abiotic Production of Ammonia. *Astrobiology Science Conference*. Washington, DC.
- Wang, Y.**, Wen, L., and Weidner, D.J. (2005) Upper mantle shear and compressional velocity structures beneath southern Africa. *American Geophysical Union Fall Meeting*: Abstract S51E-1068. (poster presentation)
- Wang, Y.**, Wen, L., and Weidner, D.J. (2005) SH velocity and compositional models near the 660-km discontinuity beneath South America and northeast Asia. *Journal of Geophysical Research* 111(B7): doi:10.1029/2005JB003849. (poster presentation)
- Wang, Y.**, and Wen, L. (2005) Complex Seismic Anisotropy at the Edges of a Very-low Velocity Province in the Lowermost Mantle. *American Geophysical Union Fall Annual Meeting*. San Francisco, CA. (poster presentation)
- Wang, Y.**, and Wen, L. (2005) Geometry and P- and S- velocity structures of the “African anomaly”. *Interior of the Earth, Gordon Conference*. South Hadley, MA. (poster presentation)
- Winslow III, F.D.**, and Rasbury, E.T. (2005) Redating the Manicouagan Impact Crater using single grain ^{40}Ar - ^{39}Ar Feldspar and U-Pb Zircon analyses. *8th NASA Exobiology Principal Investigator's Symposium*. Mountain View, CA.
- Xu, Xuan**, Paulson, R.P., and Hanson, G.N. (2006) Geochemistry of a of Long Island sewage plume from a domestic cesspool. *Geology and Metropolitan New York*. Stony Brook, NY.

- Xu, Xuan**, and Hanson, G. N (2005) Is there denitrification in Long Island ground water? *Geology of Long Island and Metropolitan New York*. Stony Brook, NY.
- Yu, T., Long, H.**, Young, C. E., Wang, L., and Chen, J. (2005) Density and viscosity measurement of liquid FeS at high pressure and high temperature using synchrotron x-ray. *American Geophysical Union 2005 Fall Meeting*. San Francisco, CA. (poster presentation)
- Chen, J., Liu, H., **Yu, T.**, and Hu, J. (2005) Effect of water on compressibility of San Carlos olivine and its implications. *American Geophysical Union Fall Meeting*. San Francisco, CA. (poster presentation)
- Chen, J., Li, L., **Yu, T., Long, H.**, and Weidner, D. (2005) Do Reuss and Voigt bounds really bound in rheology experiments? *COMPRES Workshop on Rheology and Elasticity Studies at Ultra-High Pressures and Temperatures*. Argonne, IL. (poster presentation)
- Yu, T.**, Young, C.E., and Chen, J. (2005) Density measurement of liquid FeS under high pressure and high temperature. *Tokyo Summer School of Frontier Chemistry*. Tokyo, Japan. (poster presentation)
- Young, C.E., Chen, J., Wang, L., and **Yu, T.** (2005) Determination of Melt Density and Melt Viscosity at High Temperatures and Pressures. *COMPRES 4th Annual Meeting*. New Paltz, NY. (poster presentation)
- Yu, T.**, Young, C.E., and Chen, J. (2005) Density measurement of liquid FeS under high pressure and high temperature. *COMPRES 4th Annual Meeting*. New Paltz, NY. (poster presentation)
- Kunz, M., Caldwell, W.A., Gleason, A.E., **Yu, T.**, Jeanloz, R., and Clark, S.M. (2005) A new beamline dedicated for high-pressure studies at the Advanced Light Source: characteristics and benchmarks. *COMPRES 4th Annual Meeting*. New Paltz, NY. (poster presentation)
- Yu, T.**, C. E. Young, and Chen, J. (2005) Density measurement of liquid FeS under high pressure and high temperature. *American Geophysical Union Joint Assembly*. New Orleans, LA.
- Yu, T.**, C. E. Young, and Chen, J. (2005) Density measurement of liquid FeS under high pressure and high temperature. *Laboratory of Earthquake Chemistry, Graduate School of Science*. Tokyo, Japan. (oral presentation)
- Yu, T.**, C. E. Young, and Chen, J. (2005) Density measurement of liquid FeS under high pressure and high temperature. *American Geophysical Union Spring Meeting*: Abstract V51A-11.
- Yu, W.**, and Wen, L. (2005) Regional variations of seismic anisotropy in the top 80 km of the Earth's inner core. *Gordon Research Conference*. Mount Holyoke, MA.
- Yu, W.**, and Wen, L. (2005) Complex seismic anisotropy in the Earth's inner core beneath Africa, *American Geophysical Union 86(52)*: Abstract S41C-1026.
- Zhu, Wei**, Baud, P., and Wong, T-f. (2005) Dilatancy and Failure in Basalt From Mt Etna Under Triaxial Compression, *American Geophysical Union, Fall Meeting*: Abstract V21D-0629. (poster presentation)
- Zhu, Wei**, Baud, P., Vinciguerra, S., and Wong, T-f. (2006) Dilatancy and Failure in Basalt From Mt Etna Under Triaxial Compression. *Geophysical Research Abstracts 8*: Abstract 02943.

❖ Post-Doctorates Obtained and Professional Appointments

- Filiberto, Justin**. (2006) Post Doctoral Fellow. *Lunar and Planetary Institute*, Houston, TX.
- Hahn, Brian C.** (2006) Student Collaborator, Mars Exploration Rover Mission. *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Hahn, Brian C.** (2006) Student Collaborator, 2001 Mars Odyssey Mission. *NASA – Jet Propulsion Laboratory*, Pasadena, CA.

- Hurowitz, J.A.** (2005) Student Collaborator, Mars Exploration Rover Mission. Department of Geosciences, *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Smirnov, Alexander.** (2006) Carnegie Postdoctoral Fellowship. The Geophysical Laboratory, *Carnegie Institution*, Washington, DC.
- Tembe, S.** (2005-2006) Visiting Scientist. Earthquake Hazards Team, *U.S. Geological Survey*, Menlo Park, CA.
- Tosca, N.J.** (2006) Student Collaborator. Mars Exploration Rover Mission, *NASA – Jet Propulsion Laboratory*, Pasadena, CA.

HISPANIC LANGUAGES, LITERATURES, AND CULTURES

GRADUATE DIRECTOR: LOU DEUTSCH

DEPARTMENT CHAIR: VICTORIANO RONCERO-LOPEZ

❖ Grants, Fellowships, and Awards

Frohlich, Margaret. (2005) Modern Language Association Travel Grant for Attendance at Annual Conference, \$200. *Modern Language Association*, New York, NY.

Frohlich, Margaret. (2005) Award for Excellence in Teaching. *Stony Brook University, Department of Hispanic Languages and Literature*, Stony Brook, NY.

Hughes-Zarzo, M. (2005) Tinker Field Research Grant, \$1,250. *Tinker Fellowship Program, Latin American and Caribbean Studies at Stony Brook*. Stony Brook, NY.

León-Blázquez, Lidia. (2005) Patrick Charnon Fellowship, \$500. *Department of Hispanic Languages and Literature, Stony Brook University*. Stony Brook, NY.

Pueyo Zoco, Víctor M. (2005) Patrick Charnon Fellowship Award, \$500. *Stony Brook University*, Stony Brook, NY.

Reyes de Deu, Lucía. (2006) Jane's Travel Grant for Faculty, \$1000. *Latin American and Latino Studies Program*, Waltham, MA.

Urrutia Zarzo, Manuel. (2005) Tinker Field Research Grant, \$1,250. *Tinker Fellowship Program, Latin American and Caribbean Studies at Stony Brook*. Stony Brook, NY.

Wong, Y.L. Mariela. (2005) Program for Cultural Cooperation: Dissertation Research Grant, \$1,500. *University of Minnesota*, Minneapolis, MN.

❖ Singly Authored Publications/Research Reports/Reviews

Aguasaco, Carlos. (2005) New in New York. *Red Hot Salsa Bilingual Poems On Being Young And Latino In The United States*. Lori Marie Carlson, Ed. New York: Henry Holt.

Aguasaco, Carlos. (2005) Medialengua. *Pequeñas Resistencias 4 Antología del nuevo cuento norteamericano y caribeño*. Ronaldo Menéndez, Ignacio Padilla, and Enrique del Risco, Eds. Madrid: Páginas de Espuma.

Hughes-Zarzo, M. (2005) Descubriendo los hilos de los marionetas: la influencia del teatro épico en *La trampa* de Buenaventura. *Estudios de Literatura Colombiana* 16:51-72.

Pueyo Zoco, Víctor M. (2005) Burla, escarnio y otras diversiones. Historia del humor en la Edad Media de Xavier Theros. *Riff-Raff* 28: 43-46.

Pueyo Zoco, Víctor M. (2005) La comedia ática y los estudios literarios. *Riff-Raff* 29:41-44.

Pueyo Zoco, Víctor M. (2006) Introducción. La risa y los estudios literarios. *Eclipse* 6:11-23.

Pueyo Zoco, Víctor M. (2006) El Quijote de Thomas Mann en el vértice de la modernidad. *Riff-Raff* (in press).

Pueyo Zoco, Víctor M. (2006) Contemporary Ethics and the Short Story as a Genre. *Aesthetics* (in press).

Wong, Y.L. Mariela. (2006) Don Quijote de la Mancha y las crisis finiseculares de los siglos XIX y XX. *Forthcoming in La jornada literaria 2005/2006 Año IX*, número 1.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Aguasaco, Carlos.** (2005) El mundo alucinante: transgresión constructiva de la historia y el pretexto, lectura-re-escritura, conciencia pre y postborgeana. *15th Annual Symposium on Hispanic and Luso-Brazilian Literature, Language and Culture*. Tucson, AZ.
- Aguasaco, Carlos.** (2005) ¿Es posible exportar la comedia? Un análisis contrastivo de las películas *El día de la bestia* (1995) y *Perdita Durango* (1997) de Alex de la Iglesia. *La Jornada Literaria*. Rutgers University, NJ.
- Colón, Aura.** (2006) Encuentros transatlánticos: La migración femenina caribeña a España. *De-Centering Latin American Studies. XXVI International Congress of the Latin American Studies Association*. San Juan, Puerto Rico.
- Frohlich, Margaret.** (2006) Representation and the Politics of Visibility. *El español, baluarte del humanismo: literatura, lengua y cultura. IV Congreso Internacional de la Asociación Hispánica de Humanidades*. Madrid, Spain.
- Frohlich, Margaret.** (2005) Hispanic Culture as U.S. Culture. *Hispanic Heritage Month Program*. Stony Brook University, NY.
- Hughes-Zarzo, M.** (2006) Writing to Regain Subjectivity/Femininity: María de Zayas, a Woman of Her Time. *Agencialidades/ Agencies: 9th Annual OSU Symposium on Hispanic and Luso-Brazilian Literatures, Linguistics and Cultures*. Columbus, OH.
- Hughes-Zarzo, M., Dracos, M., and Shepherd, N.** (2006) Hacia un estudiante activo: Un acercamiento natural y el uso de la historieta en la clase de español. *II Taller de Enseñanza*. Stony Brook, NY.
- León-Blázquez, Lidia.** (2006) Moderator in the session entitled *Humor and Laughter. International Symposium "Demócrito Áureo": Modelos de la risa en la literatura española del Siglo de Oro*. Department of Hispanic Languages and Literature at Stony Brook University and GRISO (Grupo de Investigación del Siglo de Oro) at the University of Navarra, Spain. Stony Brook University, NY.
- León-Blázquez, Lidia.** (2006) No pasarán: la urdimbre del laberinto en *Memoria de la Melancolía* de María Teresa León. *Spain at the Crossroad of 1939: Exile and Cultural Identity*. Denton, TX.
- Montoya, Oscar.** (2005) ¿Nuevas violencias: nuevas literaturas? Las narraciones de la violencia urbana en tres novelas colombianas. *La Jornada Literaria. XIII Conferencia de literatura de Estudiantes Graduados*. Rutgers University, NJ.
- Montoya, Oscar.** (2006) Ciudad mafiosa: narcotráfico y cultura urbana en la reciente narrativa colombiana. *Latin American Studies Association. LASA 2006, XXVI International Congress*. San Juan, Puerto Rico.
- Pueyo Zoco, Víctor M.** (2005) Las cosas nunca vistas ni oídas. *El Quijote como texto opaco. The Impact of Don Quixote (1605-2005) on the Culture of the Modern and the Postmodern World*. New Haven, CT.
- Pueyo Zoco, Víctor M.** (2005) *El Quijote* más allá de la historia: un compromiso con el futuro. *11th Graduate Congress on Hispanic Literatures and Languages. Un diálogo incesante: El Quijote y la literatura contemporánea*. New York, NY.
- Pueyo Zoco, Víctor M.** (2006) Contemporary Ethics and the Short Story as a Genre. *The Ethics of Fiction in Contemporary Narrative in English*. Jaca, Spain.
- Pueyo Zoco, Víctor M.** (2006) Folklore y cultura letrada: una lectura vertical del *Quijote*. *The Fifteenth Annual Graduate Student Conference. Subjects in Transit in the Americas and Spain*. Columbia University, NY.
- Simpson, Catherine.** (2005) Trauma in the greenhouses: xenophobia and 'working through' in Chus Gutiérrez's film *Poniente*. *La Jornada Literaria: XIII Conferencia de Estudiantes Graduados*. New Brunswick, NJ.

Urrutia Zarzo, Manuel. (2005) Sobran las palabras: algunas notas sobre la lógica del anti-intelectualismo en Territorio Comanche de Arturo Pérez Reverte. *Las armas y las letras: Nuevas y viejas violencias en la literatura hispánica. 1st Annual Graduate Student Conference*. Stony Brook, NY.

Wong, Y.L. Mariela (2005) Don Quijote de la Mancha y las crisis finiseculares del XIX y XX. *¿Viejo milenio o nuevo milenio?* Rutgers University, NJ.

Wong, Y.L. Mariela. (2006) El heroísmo de Bolívar como inspiración para los modernistas hispanos. *LASA 2006: Decentering Latin American Studies*. San Juan, Puerto Rico.

❖ Professional Appointments

Reyes de Deu, Lucía. (2005-2006) Reappointment as Lecturer in Spanish. Romance and Comparative Literature Department, *Brandeis University*, Waltham, MA.

Simpson, Catherine. (2006) Lecturer of Spanish. Department of Latin American and Iberian Studies, *University of Richmond*, Richmond, VA.

❖ Translations

Pueyo Zoco, Víctor M. (2005) Rethinking the History of Literary History. Historia de las culturas literarias: alternativa a la historia literaria. By Mario J. Valdés. *Teorías de la historia literaria*, Madrid (España), Arco-Libros.

❖ Other

Frohlich, Margaret. (2005-2006) Hispanic *Lesbi* Film Series. *The Lesbian, Gay, Bisexual and Transgender Community Center*, New York, NY.

Montoya, Oscar. (2006) Chair of Genealogía del narcotraficante. El ángel caído del neoliberalismo. *Latin American Studies Association XXVI International Congress*. San Juan, Puerto Rico.

Montoya, Oscar. (2006) Member Organizer Committee of Miradas desde el Sur – Views from the South *5th. Annual Graduate Students Conference*. Stony Brook, NY.

Pueyo Zoco, Víctor M. (2006) Moderator and Organizing Committee Assistant. *International Symposium. Democritus: Laughter in Spanish Literature of the Golden Age*. Stony Brook, NY.

Reyes de Deu, Lucía. (2006) Panel Coordinator of *Alambrista* and the U.S-Mexico Border: Film, Music, and Stories of Undocumented Immigrants. *Fourth Annual New England Latino Student Leadership Conference*. Hanover, NH.

HISTORY

GRADUATE DIRECTOR: YOUNG-SUN HONG

DEPARTMENT CHAIR: NED LANDSMAN

❖ Grants, Fellowships, and Awards

- Babic, Annessa.** (2005) Hofstra University Faculty Development Grant, \$400. *Hofstra University*, Hempstead, NY.
- Else, Brenda.** (2005) Dissertation Writing Fellowship, \$20,000. *American Association of University Women*, Washington, DC.
- Fabella, Yvonne.** (2005) Camargo Foundation Fellowship, \$3,000. *Camargo Foundation*, Cassis, France.
- Fabella, Yvonne.** (2006-2007) Dissertation Fellowship, \$18,000. *McNeil Center For Early American Studies*, University of Pennsylvania, Philadelphia, PA.
- Figueroa, María Consuelo.** (2005) Scobie Award. *Conference of Latin American History (CLAH)*.
- Gomez, Luis.** (2005) TIAA-CREF Ruth Simms Hamilton Research Fellowship, \$10,000. *TIAA-CREF Institute*, New York, NY.
- Gomez, Luis.** (2005) LASA'S XXVI International Congress Travel Grant, \$500. *Latin American Studies Association*. Pittsburgh, PA.
- Hoglund, Sarah.** (2005) Dissertation Year Fellowship Travel Grant, \$2000. *North American Conference on British Studies*.
- Hoglund, Sarah.** (2005) Pre-doctoral Fellowship in British Art, \$3000. *Yale Center for British Art, Yale University*, New Haven, CT.
- Hoglund, Sarah.** (2005) Research Support Grant, £2000. *Paul Mellon Centre for Studies in British Art*, London, UK.
- Jackson Jr., Gregory E.** (2005) Recipient: Tinker Research Foundation Summer Travel Grant, \$1,100.
- Jackson Jr., Gregory E.** (2005) Recipient: Chinchilla-Aguilar Fellowship, Spring/Summer, \$300.
- Marchesano, Sarah.** (2006) The Madeline Fusco Fellowship Award \$2,500. State University of New York at Stony Brook, Stony Brook, NY.
- Scalena, Matthew.** (2005-2009) Social Science and Humanities Research Council of Canada Doctoral Fellowship. *Social Science and Humanities Research Council of Canada*, Ottawa, Canada.
- Sorgentini, Hernan.** (2005) Pre-Dissertation Travel Grant, \$1,245. Tinker Foundation. Latin American and Caribbean Center, SUNY Stony Brook, NY.
- Thompson, Katrina.** (2006) Northeast Consortium for Faculty Diversity Dissertation Fellowship/Visiting Scholar in the Social Sciences, \$32,900. *Allegheny College*, Meadville, PA.
- Thompson, Katrina.** (2006) Northeast Consortium for Faculty Diversity Dissertation Fellowship/Visiting Scholar in the Social Sciences, *Monmouth University*, West Long Branch, NJ.
- Thompson, Katrina.** (2006) Erskine A. Peters Dissertation Year Fellowship. \$28,000. *University of Notre Dame*, South Bend, IN.

❖ Singly Authored Publications/Research Reports/Reviews

- Creagh, Dianne.** (2005) Science, Social Work, and Bureaucracy: Cautious Developments in Adoption and Foster Care, 1930-1969. *Children and Youth in Adoption, Orphanages, and Foster Care: A Historical Handbook and Guide*. Lori Askeland, Ed. Westport, CT: Greenwood Publishing Group.
- Sclar, Arieh.** (in press) A Sport At Which Jews Excel: The search for Basketball in American Jewish history. *Jews in American Popular Culture*. Paul Buhle, Ed. Westport, CT: Greenwood Press.
- Van Cleef, Ron.** (2005) Anti-Nazi Youth Resistance. *Youth Activism: An International Encyclopedia*. L. Sherrod, Ed. Westport, CT: Greenwood Press.
- Sclar, Arieh.** (in print) Copy and Style Editor. *A Perfect Fit: The Garment Industry and American Jewry*. Lubbock, Texas: Texas Tech University Press.

❖ Jointly Authored Publications/Research Reports/Reviews

- Babic, Annessa.** (2005) Terrorism: Essential Primary Sources. *The Essential Primary Source Series*. K. Lee Lerner, and Brenda Wilmoth Lerner, Eds. NY: Thompson Gale.
- Babic, Annessa.** (2006) Gender and Sexuality Issues: Essential Primary Sources. *The Essential Primary Source Series*. K. Lee Lerner, and Brenda Wilmoth Lerner, Eds. NY: Thompson Gale.
- Babic, Annessa.** (2006) Civil and Human Rights: Essential Primary Sources. *The Essential Primary Source Series*. K. Lee Lerner, and Brenda Wilmoth Lerner, Eds. NY: Thompson Gale.
- Jackson Jr., Gregory E.** (2005) Roundtable discussion. Tinker Research Foundation Field Report.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Buffa, Alessandro.** (2005) The Cinematic Space: Memory, Place, and Urban Culture. *Do the Right Thing*. Albany, NY.
- Buffa, Alessandro.** (2005) Race, Music and Urban Youth in Postwar New York. African Studies Group. Stony Brook, NY.
- Buffa, Alessandro.** (2005) Times of Harmony? Black/Italian Interactions in New York in the Age of Doo-Wop. *History Colloquium Series*. Stony Brook, NY.
- Chambers, Mark.** (2005) Contact and Cartography: European and Native American Collaboration Produces NY Maps. *6th Annual Transatlantic History Conference: Cartography and Cartographic Imagery: Cultures and Consciousness, 1000-2005 AD*. Arlington, TX.
- Cimino, Eric.** (2005) German Bourgeois Feminists Envision America, 1890-1914. *Annual Meeting of the New York State Association of European Historians*. West Point, NY.
- Creagh, Dianne.** (2005) Treading the Margins of Whiteness: Substitute Parents and Standards of Fitness During the Great Depression. *Adoption and Culture*. Tampa, FL.
- Fabella, Yvonne.** (2005) An Empire Founded on Libertinage: the *Mulatresse* and Colonial Anxiety. *Berkshire Conference on the History of Women*. Claremont, CA.
- Figueroa, María Consuelo.** (2005) Female's Honor: Collective Imaginaries and Everyday Practices, Chile, 1750's-1850's. *Women Change America*. Stony Brook, NY.

- Figueroa, María Consuelo.** (2005) *The Said and the Silenced: Wars Accounts in the Creation of the Chilean Nation. 1879-1884. Open Horizon/Abriendo el Horizonte. New Interdisciplinary Perspectives on Latin America.* Stony Brook, NY.
- Figueroa, María Consuelo.** (2006) *The Said and the Silenced. War Accounts in the Creation of the Chilean Nation. Latin American Studies Association (LASA).* San Juan, Puerto Rico.
- Gomez, Luis.** (2006) *El Señor de los Milagros: an invented Peruvian Tradition in the Americas. XXVI International Congress of the Latin American Studies Association: De-Centering Latin American Studies.* San Juan, Puerto Rico.
- Harambour, Alberto.** (2006) *Metropolitan Rachializations. Argentinean and Chilean Travelers to Patagonia, 1870-1930's. Graduate Students Conference, Miradas desde el Sur.* Stony Brook, NY.
- Harambour, Alberto.** (2005) *Chilotes y Federados. Race, Ethnicity, and Class in the Federacion Obrera de Magallanes. Chile, 1911-1925. Patagonia: Myths and Realities.* Manchester, UK.
- Hoglund, Sarah.** (2005) *Gardens of the Dead: Cemeteries and Landscape in Early Nineteenth Century Britain. Yale British Studies Colloquium.* Yale University, CT.
- Hoglund, Sarah.** (2005) *Minding One's Mourning: Burial and Manners in Victorian Britain. Victorian Visual Culture Studies Reading Group.* Yale University, CT.
- Hoglund, Sarah.** (2005) *The Birth of the Cemetery: Death and the Construction of British Identities. Southern Conference on British Studies, Atlanta, GA.*
- Hubbell, Jeremy W.** (2005) *The Globality of Milling Machines. Diagram and Scribbles Archive.* Stony Brook, NY.
- Hubbell, Jeremy W.** (2006) *Panel: Pondering the Urban Environmental History of Minneapolis. Rivers Run Through Them: Landscapes in Environmental History.* St. Paul, MN.
- Hubbell, Jeremy W.** (2006) *Minneapolis as Urban Environment. Rivers Run Through Them: Landscapes in Environmental History.* St. Paul, MN.
- Jackson Jr., Gregory E.** (2006) *Chair and Presenter of the First Black Champions and the Exodus of "Gentleman" from Brazilian Football: Issues of Race and Class in Brazil 1900-1930's. LASA 2006 Conference Panel on Critical Perspectives in Media and Popular Culture.* San Juan, Puerto Rico.
- Jackson Jr., Gregory E.** (2006) *The First Black Champions, Vasco de Gama, and the Exodus of "Gentleman" from Brazilian Football: Issues of Race and Class in Brazil 1900-1930. 5th Annual Multi-Disciplinary Graduate Student Conference in Latin American and Caribbean Studies.* Manhattan, NY.
- Murphy, Michael J.** (2005) *A Revolutionary with a Job: The Life Story of General Baker. Annual Meeting of the Oral History Association.* Providence, RI.
- Offenbach, Seth.** (2006) *Power of Portrayal: The Media and Young Americans for Freedom, 1960-1968. Journal of Policy History Conference.* Charlottesville, VA.
- Patnode, Stephen.** (2006) *I'm going to send an A-6 over over your factory and bomb it: Masculinity and Corporate Culture in the Post-war United States. The 120th Annual American Historical Association Meeting.* Philadelphia, PA.
- Scalena, Matthew.** (2006) *Lives Remembered: an Exploration of the Life Stories of Chilean Exiles. Latin American and Caribbean Studies Center Annual Interdisciplinary Conference.* SUNY Stony Brook, NY.
- Scalena, Matthew.** (2006) *I was Part of IT! Exploring Gender and Class in the Narratives of Chilean Exiles. Oral History Association Annual Meeting.* Providence, RI.
- Sclar, Arieh.** (2006) *A Sport At Which Jews Excel: The search for Basketball in American Jewish history. Stony Brook University History Department, Spring 2006 Colloquium Series.* Stony Brook, NY.

History

- Sorgentini, Hernan.** (2005) The politics of the Past during the democratic transition in Argentina. *30th Annual Meeting of the Social Science History Association*. Portland, OR.
- Sorgentini, Hernan.** (2006) Battles for historical representation at the times of dictatorship. Argentina 1976-1982. *5th Multi-disciplinary Graduate Student Conference "Miradas desde el Sur/Views from the South"*. Stony Brook, NY.
- Thompson, Katrina.** (2006) The Tainted and the Bleached: Black Performance and White Audience. *Association for the Study of African American Life and History*. Buffalo, NY. *Mid-West Popular Culture Association*. St. Louis, Missouri. *Rocky Mountain Interdisciplinary History Conference*. University of Colorado, CO.
- Cimino, Eric.** (2005) The Significance of the United States and the American Women's Movement to the Development of German Bourgeois Feminism, 1890-1933. *The International History Workshop*. Philadelphia, PA.
- Jackson Jr., Gregory E.** (2005-2006) Organizer for the *Durable Inequalities Workshop* for the Rockefeller Foundation. New York, NY.

❖ Post-Doctorates Obtained and Professional Appointments

- Cleaton, Christin.** (2006) Assistant Professor. Department of History, *Westfield State College*, Westfield, MA.
- Elsy, Brenda.** (2006) Assistant Professor. History Department, *Hofstra University*, Hempstead, NY.
- Hamblin, Terry R.** (2005) Assistant Professor. History and Economics Department, *SUNY College of Technology at Delhi*, Delhi, NY.
- Vessels, Joel.** (2005) Instructor. History/Political Science/Geography Departments, *Nassau Community College*, Garden City, NY.
- Xu, Tong.** (2006) Assistant Professor. Department of History, *The College of Saint Rose*, Albany, NY.

❖ Other

- Figueroa, María Consuelo.** (2006) Organizer of the 5th Annual Graduate Students Conference in Latin American and Caribbean Studies. *Miradas desde el Sur / Views from the South*. Stony Brook, NY.

LINGUISTICS

GRADUATE DIRECTOR: ALICE HARRIS

❖ Grants, Fellowships, and Awards

- An, Young-ran.** (2005) Linguistic Society of America (LSA) Fellowship, \$2,000. *The Linguistic Society of America*, Washington, DC.
- de Cuba, Carlos.** (2006) SUNY-GSEU Professional Development Funds, \$600. *CWA1104/GSEU*, Stony Brook, NY.
- MacDonald, Jonathan E.** (2006) Sigma Xi Travel Award, \$200. *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.
- MacDonald, Jonathan E.** (2006) SUNY-GSEU Professional Development Funds, \$650. *CWA1104/GSEU*, Stony Brook, NY.
- Nishiguchi, Sumiyo.** (2006) ESSLLI 2006 Grant, €650. *European Summer School in Logic, Language and Information*, Malaga, Spain.
- Shu, Chih-Hsiang.** (2005) Linguistic Society of America (LSA) Fellowship, \$2,000. *The Linguistic Society of America*, Washington, DC.
- Xu, Zheng.** (2006) Bursary, \$345. *The British Academy*, London, England.

❖ Singly Authored Publications/Research Reports/Reviews

- Borroff, Marianne L.** (in press) Degree phrase inversion in the scope of negation. *Linguistic Inquiry*. Cambridge, MA: MIT Press.
- Borroff, Marianne L.** (2005) Articulatory Phasing of Glottal Stop. *Proceedings of the 24th West Coast Conference on Formal Linguistics*. J. Alderete, C. Han, and A. Kochetove, Eds. Somerville, MA: 70-78.
- Kawamura, Tomoko.** (in press) NPI Connectivity as a Focal Phenomenon. *Proceedings of NELS 36*. Amherst, MA: GLSA Publications.
- MacDonald, Jonathan E.** (in press) Agreement with Asp^o and the Independence of Case. *The Proceedings of NELS 35*. C. Davis, A.R. Deal, and Y. Zabbal, Eds. Amherst, MA: GLSA Publications.
- MacDonald, Jonathan E.** (in press) The Independence of Case and Aspect. *Proceedings of ConSOLE XIV*.
- MacDonald, Jonathan E.** (2006) Null Directional Prepositions in Romanian and Spanish. *New Perspectives on Romance Linguistics Vol. 1: Morphology, Syntax, Semantics, and Pragmatics. Selected papers from the 35th Linguistics Symposium on Romance Linguistics*. C. Nishida, and J.P. Montreuil, Eds. Amsterdam and Philadelphia: John Benjamins.
- Mykhaylyk, R.** (2006) Review of Predykaty, vidminty i diatezy v ukrains'kii movi: istorychnyi i typolohichnyi aspekty by A. Danylenko. *Journal of Ukrainian Studies* 30(2).
- Nishiguchi, Sumiyo.** (2006) Covert Emotive Modality Is a Monster. *Proceedings of Logic and Engineering of Natural Language Semantics 2006*. Eric McCready, Ed. Tokyo: The Japan Society of Artificial Intelligence.

- Nishiguchi, Sumiyo.** (in press) Bipolar Items and Emotive Modality. *Negation and Polarity: Linguistics Today Series*. Jack Hoeksema, Ed. Amsterdam: John Benjamins.
- Nishiguchi, Sumiyo.** (2006) Presupposition Accommodation by Discourse-Initial Evidential Marker Mo. *The Book of Abstract of International Conference on Revisiting Japanese Modality*. Barbara Pizziconi, Ed. London: University of London.
- Nishiguchi, Sumiyo.** (2005) Consonant Assimilation and Sonority: A Case Study in Daasanach. *Osaka University Papers in English Linguistics*. Yukio Oba, Ed. Osaka: Osaka University. 9:39-51.
- Xu, Zheng.** (in press) On the formation of adjective-noun combinations in Mandarin Chinese. *Proceedings of the Seventeenth North American Conference on Chinese Linguistics (NACCL-17)*. Los Angeles, CA: GSIL Publications.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Alcazar, A., Barbería, I., Campos, R., and **Huidobro, S.**, Eds. (2006) *A New Relay of Linguistics*. International Journal of Basque Linguistics and Philology, ASJU Special volume of the Proceedings of the Bilbao-Deusto Student Conference in Linguistics 2004. San Sebastian, Spain: University of the Basque Country Press.
- Harris, Alice C., and **Xu, Zheng** (2005) Diachronic morphological typology. *The Encyclopedia of Language and Linguistics*, 2nd edition. K. Brown, A.H. Anderson, L. Bauer, M. Berns, G. Hirst, and J. Miller, Eds. Cambridge, MA: Elsevier.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Asano, Yukiko.** (2006) Restructuring in Japanese Revisited: A Phrasal Movement Analysis of Purpose Expression. *PLC30: The 30th Penn Linguistics Colloquium*. Philadelphia, PA.
- Asano, Yukiko.** (2006) Phrasal Movement Approach to (non-) Restructuring Phenomena. *WAFL3: Workshop on Altaic in Formal Linguistics 3*. Moscow, Russia.
- An, Young-ran.** (2006) The “Dummy” Plural Marker in Korean: Its Semantic Contribution. *The 7th Annual CUNY/SUNY/NYU Linguistics Mini-Conference*. New York, NY.
- Asano, Yukiko.** (in press) Restructuring in Japanese revisited: A Phrasal Movement Analysis of Purpose Expression. *Proceedings of the 30th Annual Penn Linguistics Colloquium*. Philadelphia, PA.
- de Cuba, Carlos.** (2006) The Role of Factivity in the Syntax and Semantics of Sentential Complements. *New Trends in Linguistics Lecture Series*. Novi Sad, Serbia and Montenegro.
- de Cuba, Carlos.** (2006) Factivity and Non-Local Negative Polarity Item Licensing. *New Trends in Linguistics Lecture Series*. Novi Sad, Serbia and Montenegro.
- de Cuba, Carlos.** (2006) The Adjunction Prohibition and Factive Islands. *New Trends in Linguistics Lecture Series*. Novi Sad, Serbia and Montenegro.
- de Cuba, Carlos.** (2006) The Adjunction Prohibition and Extraction from Non-factive CPs. *The 25th West Coast Conference on Formal Linguistics (WCCFL 25)*. Seattle, WA.
- de Cuba, Carlos.** (2005) Basque negative complementizers and negative polarity licensing. *2005 Bilbao-Deusto International Student Conference in Linguistics (BIDE'05)*. Bilbao, Spain.
- Huidobro, S.** (2005) Verum Focus Realization on Enclitics. *Workshop on Romance Clitics*. Stony Brook, NY.

- Huidobro, S.** (2006) Inversion Constructions: Asymmetry in Agreement and Syntactic Positions. *Syntax Supper Series*. New York, NY.
- Huidobro, S.** (2005) Stressed Enclitics in Argentinian Spanish as Verum Focus. *Going Romance 2005*. Utrecht, Holland.
- Huidobro, S.** (2005) Phonological Constraints on Verum Focus. *Brown Bag Series*. Stony Brook, NY.
- Hwang, Jiwon.** (2006) Perceptually Conditioned Input and Articulatorily Controlled Output. *The 2006 Meeting of the Linguistics Society of America*. Albuquerque, NM.
- Kawamura, Tomoko.** (2005) NPI Connectivity as a Focal Phenomenon. *NELS 36: The 36th Meeting of the Northeastern Linguistic Society*. Amherst, MA.
- Kawamura, Tomoko.** (2005) Pseudo-clefts and Copy Theory of Movement. *The Copy-Theory workshop at 23rd Annual Meeting of the English Linguistic Society of Japan*. Fukuoka Japan.
- Kawamura, Tomoko.** (2005) NPI Connectivity of Pseudo-clefts and its Focal Analysis. *ConSOLE XIV*. Vitoria-Gasteiz, Spain.
- Kawamura, Tomoko.** (2006) An Information Transferring Construction in Japanese and its Intensionality Effects. *The 2006 Meeting of the Linguistics Society of America*. Albuquerque, NM.
- MacDonald, Jonathan E.** (2006) Inner Aspect and Phases. *InterPhases: A Conference on Interfaces in Current Syntactic Theory*. Nicosia, Cyprus.
- MacDonald, Jonathan E.** (2005) The Independence of Case and Aspect. *ConSOLE XIV*. Vitoria-Gasteiz, Spain.
- MacDonald, Jonathan E.** (2005) Agreement with Asp^o and the Independence of Case. *NELS 36: The 36th Meeting of the Northeastern Linguistic Society*. Amherst, MA.
- Marušič, Franc.** (2005) On Non-simultaneous Phases. *The Linguistical Institute December Meeting*. Budapest, Hungary.
- Marušič, Franc.** (2005) On the Lack of CP in Non-finite Complements. *5th GLOW in Asia*. New Delhi, India.
- Marušič, Franc.** and Žaucer, R. (2005) What is so Definite About the Definite Article in Colloquial Slovenian. *FDSL 6: The 6th Formal Description of Slavic Languages*. Potsdam, Germany.
- Marušič, Franc.** (2005) On the Lack of a (PF) Phase in Non-finite Complements. *ConSOLE XIV*. Vitoria-Gasteiz, The Basque Country.
- Nishiguchi, Sumiyo.** (2006) Fake Past and Covert Emotive Modality. *CHRONOS 7: International Conference on Tense, Aspect, Mood, and Modality*. Antwerp, Belgium.
- Nishiguchi, Sumiyo.** (2006) Presupposition Accommodation by Discourse-Initial Evidential Marker Mo. *International Conference on Revisiting Japanese Modality*. London, England.
- Nishiguchi, Sumiyo.** (2006) Covert Emotive Modality Is a Monster. *Logic and Engineering of Natural Language Semantics 2006: A Satellite International Workshop of the 20th Annual Conference of The Japan Society of Artificial Intelligence (JSAI)*. Tokyo, Japan.
- Nishiguchi, Sumiyo.** (2006) Bipolar Items and Emotive Modality. *Swarthmore Workshop on Negation and Polarity*. Swarthmore, PA.
- Suh, Yunju.** (2005) English Voiceless Postalveolar and Alveolar Fricatives in Korean Loanwords. *Workshop on Models of L1 and L2 Phonetics/Phonology*. Utrecht, The Netherlands.
- Suh, Yunju.** (2005) Hidden Clauses in Korean Nominative Object Constructions. *Syntax Supper Series*. New York, NY.
- Xu, Zheng.** (2006) Double Marking: An OT Account. *The 2006 Meeting of the Linguistics Society of America*. Albuquerque, NM.

Linguistics

- Xu, Zheng.** (2006) An Optimality Theoretical Account of Full and Partial Identity of Forms. *PLC30: The 30th Penn Linguistics Colloquium*. Philadelphia, PA.
- Xu, Zheng, Aronoff, M., and Anshen, F.** (2006) Deponency in Latin. *Deponency and Morphological Mismatches*. London, England.

❖ Professional Appointments

- de Cuba, Carlos.** (2006) Visiting Lecturer. English Department, Faculty of Philosophy, *The University of Novi Sad*. Novi Sad, Serbia and Montenegro.
- DelliCarpini, Margo.** (2005) Assistant Professor. Department of Middle and High School Education, *Lehman College, The City University of New York*. Bronx, NY.
- Marušič, Franc.** (2005) Lecturer. Department of Linguistics, *University of Nova Gorica*. Nova Gorica, Slovenia.
- Miao, Ruiqin.** (2006) Visiting Assistant Professor. Graduate English Teaching Sector, *School of Foreign Language, Shanghai Jiao Tong University*, Shanghai, China.
- Vassilieva, Maria.** (2005) Lecturer. ESL Program, *Columbia College of Technology*. Fairfax, VA.
- Volpe, Mark.** (2006) Visiting Professor. The Department of Literature and Letters, *The Humanities Research Institute: Kyushu University*, Fukuoka Japan.
- Yamakido, Hiroko.** (2005) Visiting Assistant Professor. Department of East Asian Studies, *University of Arizona*, Tucson, AZ.

MARINE AND ATMOSPHERIC SCIENCES

GRADUATE DIRECTOR: ANNE MCELROY

❖ Grants, Fellowships, and Awards

- Abramson, Lynn.** (2006) Schubel Fellowship, \$4000. *Marine Sciences Research Center, Stony Brook University*, Stony Brook, NY.
- Abramson, Lynn.** (2005) Sigma Xi Award for Excellence in Research. *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.
- Abramson, Lynn.** (2005) AWIS Predoctoral Citation of Merit, \$300. *American Women in Science Educational Foundation*, Washington, DC.
- Clarke, L.M.** (2006) Sigma Xi Excellence in Research Award. *Sigma Xi, The Scientific Research Society*, Stony Brook, NY
- Dahl, S.** (2006) Scholar Thesis Completion Award, \$5,747. *New York Sea Grant*, Stony Brook, NY.
- Lin, Xueju.** (2006) Type 1 Student Travel Award for 2006 ASLO summer meeting, \$1000, *American Society of Limnology and Oceanography*, Waco, TX.
- Madrid, Vanessa M.** (2005) International Union of Microbiological Societies/American society for Microbiology travel award. *IUMS/ASM conference*, San Francisco, CA.
- Madrid, Vanessa M.** (2005-2006) Turner Dissertation fellowship. *Stony Brook University*.
- Novak, David R.** (2005) Wu Xiangding Memorial Award, \$500. *SUNY Stony Brook, MSRC*, Stony Brook, NY.
- O'Connell, Christine.** (2006) J.R. Schubel Science and Policy Fellowship, \$4,000. *Marine Sciences Research Center, Stony Brook University*, NY.
- O'Connell, Christine.** (2005) Evan R. Liblit Memorial Scholarship, \$2,500. Waste Reduction and Management Institute, *Stony Brook University*, NY.
- O'Connell, Christine.** (2005) Long Island Sound Study Science and Technical Advisory Committee Fellowship, 50% of graduate stipend. *The Long Island Sound Study*, Stony Brook, NY
- Pan Jerónimo.** (2005) Fulbright Master's Regular Program, \$17,000. *Institute of International Education*, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

- Friedland, K.D., Ama-Abassi, D., Manning, M., **Clarke, L.M.**, Kligys, G., and Chambers, R.C. (2005) Automated fecundity counts and egg sizing from scanned images: rapid sample processing and large data volumes. *Journal of Sea Research* 54(4):307-316.
- Clarke, L.M.**, Dove, A.D.M., and Conover, D.O. (2006) Prevalence, intensity, and effect of the nematode, *Philometra saltatrix* in the ovaries of bluefish, *Pomatomus saltatrix*. *Fishery Bulletin* 104 (1):118-124.
- Friedland, K.D., **Clarke, L.M.**, and Dutil, J., and Salminen, M. (2006) The relationship between smolt size and finishing growth and post-smolt growth in Atlantic salmon (*Salmo salar*) in the Gulf of St. Lawrence. *Fishery Bulletin* 104 (1):149-155.

- Conover, D.O., Munch, S.B., **Clarke, L.M.**, and Wagner, G.N. (2006) Spatial and temporal scales of adaptive divergence in marine fishes and implications for conservation. *Journal of Fish Biology*. (submitted)
- Lin, Xueju**, Wakeham, S.G., Putnam, I.F., Astor, Y.M., Scranton, M.I., Chistoserdov, A.Y., and Taylor, G.T. (2006) Vertical distributions of prokaryotic assemblages in the anoxic Cariaco Basin and Black Sea compared using fluorescence in situ hybridization. *Appl. Environ. Microbiol.* 72:2679-2690.
- Madrid, Vanessa M.**, R.C. Aller, J.Y. Aller, , and A.Y. Chistoserdov. (2006) Evidence of the activity of dissimilatory sulfate reducing prokaryotes in non-sulfidogenic tropical mobile muds. *FEMS Microbial Ecology* (in press).
- Novak, David R.**, and Colle, B.A. (2006): Observations of multiple sea breeze boundaries during an unseasonably warm day in metropolitan New York City. *Bulletin of the American Meteorological Society* 87(2):169–174.
- Novak, David R.**, Waldstreicher, J.S., Keyser, D., and Bosart, L.F. (2006): A forecast strategy for anticipating cold season mesoscale band formation with eastern U.S. cyclones. *Weather and Forecasting* 21: 3–23.
- O’Connell, Christine**, Cahill, M., Heil, J., and Swanson, L. (Contributors). (2006) Garbage and Recycling Rates: Steady decline in recycling rates. *The Long Island Index 2006*. Garden City, NY: The Rauch Foundation: 47.
- Yang, Xiaosong**, and Chang, E.K.M. (2006) Variability of the Southern Hemisphere split flow – a case of two way reinforcement between mean flow and eddy anomalies. *J. Atmos. Sci.* 63:634-650.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Abramson, Lynn**, Lee, C., and Aller, R. (2006) The Protection of Particulate Organic Matter within Aggregates in the Water Column. *2006 Ocean Sciences Meeting*. Honolulu, HI.
- Engel, A., Szlosek J., **Abramson, Lynn**, Liu, Z., Stewart, G., Hirschberg, D., and Lee, C. (2006) Importance of calcareous shells in aggregate formation and particle decomposition for the coccolithophorid *Emiliana huxleyi*. *2006 Ocean Sciences Meeting*. Honolulu, HI.
- Baker, Kristopher**. (2006) *Aureococcus anophagefferens* (CCMP1708): An investigation to the associated urea degrading microorganisms. North East Algal Society (NEAS). Poughkeepsie, NY.
- Bell, S.W.**, Geller, M. (2006) On the Existence of an Extra-Tropical Tropopause Transition Region. 86th Annual American Meteorological Society Meeting, The Jim Holton Symposium. Atlanta, GA.
- Clarke, L.M.**, Walther, B.D., Munch, S.B., Thorrold, S.R., and Conover, D.O. (2006) High Connectivity and Local Adaptation in a Marine Species: A Possible Scenario? *ASLO/AGU Ocean Sciences Meeting*. Honolulu, HI.
- Clarke, L.M.**, Walther, B.D., Munch, S.B., Thorrold, S.R., and Conover, D.O. (2005) Patterns of population connectivity in marine fish: Use of *Menidia menidia* as a model. *American Fisheries Society*. Anchorage, AK.
- Dahl, S.**, and Allam, B. (2006) Quahog Parasite Unknown (QPX) Disease in the Hard Clam: Current Status in New York and Summary of Research Results. *2006 Northeast Shellfish Sanitation Association meeting*. Port Jefferson, NY.
- Kinney, J.**, and Flood, R. D. (2006) Seabed Morphology off Southern Long Island: Studies of Artificial Reefs and Implications for Wind Farms. *Thirteenth Conference on Geology of Long Island and Metropolitan New York*. Stony Brook, NY. (Abstract).

- Lin, Xueju**, Taylor, G.T., Scranton, M.I., and Varela, R. (2006) Impacts of grazing and anoxia on bacterial taxon richness and activity in the Cariaco Basin's redoxcline. *Ocean Sciences Meeting*. Honolulu, HI.
- Taylor, G., **Lin, Xueju**, Iabichella-Armas, M. Epstein, S., Chistoserdov, A., Scranton, M.I. (2006) Glimpses into the Black Box: Lessons from a Decade's Microbiogeochemical Exploration of the Cariaco's Redoxcline. *Ocean Sciences Meeting*. Honolulu, HI.
- Lin, Xueju**, Chistoserdov, A.Y., Scranton, M.I., and Taylor, G.T. (2006) Spatiotemporal dynamics of microbial communities in the redoxcline of the Cariaco Basin: controlled by episodic events or constant environmental variables? *ASLO summer meeting*. Victoria, BC, Canada.
- Madrid, Vanessa M.**, Chistoserdov A., Aller, J., and Aller, R. (2005) Metabolic activities of microbial communities from mobile deltaic sediments as revealed by RNA and RT-PCR. *International Union of Microbiological Societies General Meeting*. San Francisco, CA.
- Luzan, T., Chistoserdov, A., **Madrid, Vanessa M.**, Aller, J., and Aller, R. (2005) Biochemical pathways of the sulfur cycle in tropical deltaic mobile sediments. *The Joint International Symposia for Subsurface Microbiology and Environmental Biogeochemistry*. Jackson Hole, WY.
- Aller, J., Chistoserdov, A., Kemp, P., **Madrid, Vanessa M.**, and Aller, R.C. (2006) Fluidized mobile muds: "Hot Spots" for microbial complexity. *Ocean Sciences Meeting*. Honolulu, HI.
- Madrid, Vanessa M.**, Chistoserdov, A., Aller, J., and Aller, R. (2006) Microbial diversity and metabolism in suboxic mobile Sediments. *ASM South Branch Meeting*. Lafayette, LA.
- Madrid, Vanessa M.**, Chistoserdov, A., Aller, J., and Aller, R. (2006) Expression and Quantification of Key Metabolic Genes from Microbial Communities in deltaic tropical mobile Sediments using Real Time PCR. *ASLO Summer meeting*. BC, Canada.
- Novak, David R.**, Colle, B.A., and Keyser, D. (2005) High-resolution modeling of the 25 December 2002 northeast U.S. banded snowstorm. *17th Conference on Numerical Weather Prediction/21st Conference on Weather Analysis and Forecasting*. Washington, DC.
- Novak, David R.**, Colle, B.A., and Keyser, D. (2005) An investigation of model-simulated band placement and evolution in the 25 December 2002 northeast U.S. banded snowstorm. *The Sixth Northeast Regional Operational Workshop*. Albany, NY.
- O'Connell, Christine**. (2006) The Long Island Garbage Index. *Long Island Solid Waste Round Table*. Farmingville, NY.
- Ou, Melissa**. (2006) Ensemble prediction of maximum temperatures in New York using Atmospheric Centers of Action, *31st AMS Northeast Storms conference*. Saratoga Springs, NY
- Ou, Melissa**. (2006) Application of atmospheric centers of action for climate prediction, *Robert Zafra ITPA symposium*. Stony Brook, NY.

❖ Internship Appointments

- Clarke, L.M.** (2005) Woods Hole Visiting Student. *Woods Hole Oceanographic Institution*. Woods Hole, MA.
- Dahl, S.** (12-05 to 2-06). Seafood Education Project, Species Research Intern. *Blue Ocean Institute*, Cold Spring Harbor, NY.

❖ **Performances**

Ou, Melissa. (Stony Brook university orchestra) Fall 2005 orchestra performances. *Staller Center*, Stony Brook, NY, 2005

Ou, Melissa. (Stony Brook university orchestra) Children's concert. *Staller Center*, Stony Brook, NY, 2006

Ou, Melissa. (Stony Brook university orchestra) Concerto competition performance, *Staller Center*, Stony Brook, NY, 2006

❖ **Recordings**

Ou, Melissa. (Stony Brook university orchestra) 3 live orchestral concerts. *Staller Center*, Stony Brook, NY, 2005/2006. Recordings available at the Melville library on Stony Brook Campus

❖ **Software Developed**

Ou, Melissa. (2005/2006) Climate prediction and prediction selection program. *Stony Brook, NY*. Program automates finding predictors from a dataset and then forms a forecasting model to graphically display forecasts, select the best model and output statistics.

MATERIALS SCIENCE AND ENGINEERING

GRADUATE DIRECTOR: DILIP GERSAPPE

DEPARTMENT CHAIR: MICHAEL DUDLEY

❖ Grants, Fellowships, and Awards

Ba, Xiaolan. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Chen, Yi. (2005) Sigma Xi Grant-in-Aid of Research Grant, \$908. *Sigma Xi- The Scientific Research Society*, Research Triangle Park, NC.

Colmenares, Angulo. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Jiang, Jun. (2005) Graduate Student Award from National Science Foundation for Materials Research Society (MRS), \$500. *National Science Foundation*, Boston, MA.

Kerkar, Prasad B. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Kerkar, Prasad (2005) Poster Presentation at the American Association of Drilling Engineers (AADE), Annual Technical Conference and Exhibition, 3rd Place Bronze Medal. *American Association of Drilling Engineers (AADE)*, Houston, TX.

Kerkar, Prasad B. (2005) Travel Grant, \$1,500. *American Association of Drilling Engineers (AADE)*, Houston, TX.

Kerkar, Prasad B. (2005) Travel Grant, \$500. *The Society of Petroleum Engineers, Alaska Chapter*, Irvine, CA.

Liu, Wei. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Liu, Ying. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Sawicka, Katarzyna. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Wang, Lisheng. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Wen, Jinsheng. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Young, Christopher. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

Zhao, Sijia. (2005) Presidential Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

Ji, Yuan. (2006) Structure and Nanomechanical Characterization of Electrospun PS/clay Nanocomposites Fibers. *Langmuir* 22:1321.

Ji, Yuan. (2006) Electrospun Three-Dimensional Hyaluronic Acid Nanofibrous Scaffolds. *Biomaterials* 27:3782.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Raghothamachar, B., Dhanaraj, G., **Bai, J.**, and Dudley, M. (2006) Defect Analysis in Crystals Using X-ray Topography. *Microscopy Research and Technique* 69:343-358.
- Bai, J.**, Huang, X., and Dudley, M. (2006) Intersecting Basal Plane and Prismatic Plane Stacking Fault Structures in GaN/AlN Epilayers on On-axis and Off-cut 6H-SiC Substrates. *Materials Research Society Symposium Proceedings* (in press).
- Wu, B., **Bai, J.**, Tassev, V.L., Lal Nakarmi, M., Sun, W., Huang, X., Dudley, M., Zhang, H., Bliss, D.F., Lin, J., Jiang, H., Yang, J., and Asif Khan, M. (2006) Stress Evolution During the Early Stages of AlN Vapor Growth. *Materials Research Society Symposium Proceedings* (in press).
- Bai, J.**, Dudley, M., Sun, W.H., Wang, H.M., and Asif Khan, M. (2006) Reduction of Threading Dislocation Densities in AlN/Sapphire Epilayers Driven by Growth Mode Modification. *Appl. Phys. Lett.* 88 (5): 051903.
- Bai, J.**, Huang, H., Raghothamachar, B., Dudley, M., Wagner, B., Davis, R.F., Wu, L., and Zhu, Y. (2005) Strain Relaxation in GaN/AlN Films Grown on Vicinal and on-axis SiC Substrates. *Proceedings of the International Conference on Silicon Carbide and Related Materials* (in press).
- Bai, J.**, Huang, X., and Dudley, M. (in press) High Resolution TEM Observation of AlN Grown on On-axis and Off-cut SiC Substrates. *Materials Science in Semiconductor Processing* 9(1-3):180-183.
- Dudley, M., **Bai, J.**, Huang, X., Vetter, W.M., Dhanaraj, G., and Raghothamachar, B. (2005) Synchrotron White Beam X-ray Topography Transmission Electron Microscopy and High Resolution X-ray Diffraction Studies of Defects and Strain Relaxation Processes in Wide Bandgap Semiconductor Crystals and Thin Films. *Materials Science in Semiconductor Processing* (in press).
- Bai, J.**, Huang, X., Dudley, M., Wagner, B., Davis, R.F., Wu, L., Sutter, E., and Zhu, Y. (2005) Intersecting Basal Plane and Prismatic Stacking Fault Structures and their Formation Mechanisms in GaN. *J. Appl. Phys.* 98:063510.
- Huang, X.R., **Bai, J.**, Dudley, M., Wagner, B., Davis, R.F., and Zhu, Y. (2005) Step-Controlled Strain Relaxation in Vicinal Surface Epitaxy of Nitrides. *Phys. Rev. Lett.* 95:086101.
- Raghothamachar, B., **Bai, J.**, Dudley, M., Dalmau, R., Zhuang, D., Herro, Z., Schlessner, R., Sitar, Z., Wang, B., Callahan, M., Bliss, D., Konkapaka, P., and Spencer, M. (2006) Characterization of Bulk Grown GaN and AlN Single Crystal Materials. *J. Cryst. Growth* 287:349-353.
- Huang, X.R., **Bai, J.**, Dudley, M., and Dupuis, R.D. (2005) Epitaxial Tilting of GaN Grown on Vicinal Surfaces of Sapphire. *Appl. Phys. Lett.* 86: 211916.
- Bishop, A.**, and Gouma, P. (2005) Leucoemeraldine Based Polyaniline-Poly-vinyl-pyrrolidone Electrospun Composites and Bio-composites: A preliminary Study of Sensing Behavior. *Reviews on Advanced Materials Science* 10(3): 209-214.
- Chawda, Samrat**, Mawyin, Jose, Mahan, Harv, Halada, Gary, and Fortmann, Charles. (in press) Phononic Amorphous Silicon: Theory, Material, and Devices. *Materials Research Society Symposium Proceedings*.
- Chen, Hui, Wang, Guan**, and **Chen, Yi**, Jia, Xiaoting, **Bai, J.**, and Dudley, Michael. (submitted) Formation Mechanism of Carrot Defect in SiC. *Materials Research Society Symposium Proceedings*.
- Dhanaraj, G., **Chen, Yi**, Dudley, M. et al. (submitted) Growth and Mechanism in Halide Chemical Vapor Deposition of Silicon Carbide. *Materials Research Society Symposium Proceedings*.
- Chen, Yi**, Dhanaraj, G., Dudley, M. et al. (Submitted) Multiplication of Basal Plane Dislocations via Interaction with C-axis Threading Dislocations in 4H-SiC. *Mater. Res. Soc. Symp. Proc.*
- Chen, Yi**, Dhanaraj, G., **Chen, Hui**, Dudley, M., and Zhang, H. (2005) Chemical Vapor Deposition and Defect Characterization of SiC Epitaxial Films. *Mater. Res. Soc. Symp. Proc.* 891: 0891-EE12-11.

- Chen, Yi**, Dhanaraj, G., and Dudley, M. (in press) Thermodynamic Studies of Carbon in Liquid Silicon using Central Atoms Model. *J. Am. Ceram. Soc.*
- Dhanaraj, G., **Chen, Yi**, Dudley, M., Wu, B., and Zhang, H. (in press) Growth and Surface Morphology of 6H-SiC Bulk and Epitaxial Crystals. *Materials Science Forum*.
- Dhanaraj, G., Dudley, M., **Chen, Yi**, Raghothamachar, B., Wu, B., and Zhang, H. (2006) Epitaxial Growth and Characterization of Silicon Carbide Films. *Journal of Crystal Growth* 287: 344.
- Eaton, M.**, Jones, K., and Mahajan, D. (in press) Mimicking Natural Systems: Methane Hydrate Formation/Decomposition in Depleted Sediments. *Special edition of Journal of the Geological Society*.
- Eaton, M.**, Mahajan, D., and Flood, R. (2006) A Novel High-Pressure Apparatus to Study Hydrate-Sediment Interactions. *Journal of Petroleum Science and Engineering* (in press).
- Gouma, P., Prasad, A.K., and **Iyer, K.K.** (2006) Selective Nanoprobes for Signaling Gases. *Nanotechnology* 17(4): S48-S53.
- Fang, X.H., Li, B.Q., Petersen, E., **Ji, Yuan**, Sokolov, J.C., and Rafailovich, M.H. (2005) Factors Controlling the Drop Evaporation Constant. *Journal of physical chemistry B* 10(43):20554-20557.
- Li, C., Koga, T., and **Jiang, Jun** et al. (2005) Viscosity Measurement of Very Thin Polymer Films. *Macromolecules* 38:5144.
- Kalyanasundaram, K.**, and Gouma, P. (2006) Processing and Characterization of Nanostructured Metal Oxides for Gas Sensing Applications. *Transactions of the Institute of Electrical Engineers of Japan Transactions on Sensors and Micromachines* 126(9):560-567.
- Teleki, A., Pratsinis, S.E., and **Kalyanasundaram, K.** (2006) Sensing of Organic Vapors by Flame-made TiO₂ Nanoparticles. *Nanotech* 3:423 – 426.
- Kerkar, Prasad B.**, Patil, S.L., Dandekar, A.Y., Chukwu, G.A., Khatniar, S.K., and Hunter, R.B. (2006) Assessment of Formation Damage from Drilling Fluids Dynamic Filtration in Gas Hydrate Reservoirs of the North Slope of Alaska. *Journal of Energy Resources Technology* 06:1021.
- Koga, T., **Li, C.**, Rafailovich, M. et al. (2005) Surface Modification of Polymeric Nanocomposite Thin Films Using Supercritical Carbon Dioxide. *Topics in Catalysis* 32:257.
- Li, C.**, Rafailovich, M. et al. (2005) Viscosity Measurement of Very Thin Polymer Films. *Macromolecules* 38:5144.
- Li, C.**, Rafailovich, M., Sokolov, J. et al. (2006) Effect of Surface Interaction on the Viscosity of Polymer Thin Films. *Euro Physics Letters* 73(6):1.
- Roeper, D.F.**, Chidambaram, D., Clayton, C.R., and Halada, G.P. (2006) Development of an Environmentally-Friendly Protective Coating for the Depleted Uranium-0.75 wt% Titanium Alloy, Part IV: Vibrational Spectroscopy of the Coating. *Electrochimica Acta* 51(23):4815-4820.
- Roeper, D.F.**, Chidambaram, D., Clayton, C.R., and Halada, G.P. (2006) Development of an Environmentally-Friendly Protective Coating for the Depleted Uranium-0.75 wt% Titanium Alloy, Part III: Surface Analysis of the Coating. *Electrochimica Acta* 51(19):3895-3903.
- Roeper, D.F.**, Chidambaram, D., Clayton, C.R., and Halada, G.P. (2005) Development of an Environmentally-Friendly Protective Coating for the Depleted Uranium-0.75 wt% Titanium Alloy, Part II: Coating Formation and Evaluation. *Electrochimica Acta* 51:545–552.
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- Shao, M.H.**, Liu, Ping, and Adzic, Radoslav R. (in press) Superoxide is the Intermediate in the Oxygen Reduction Reaction on Platinum Electrode. *Journal of the American Chemical Society* 128(23): 7408 -7409.

- Shao, M.H.**, Huang, T., Liu, P., Zhang, J., Vukmirovic, M.B., and Adzic, R.R. (2006) Palladium Monolayer and Palladium Alloy Electrocatalysts for Oxygen Reduction. *Langmuir* (in press).
- Shao, M.H.**, Sasaki, K., and Adzic, R.R. (2006) Pd-Fe Nanoparticles as Electrocatalysts for Oxygen Reduction. *Journal of the American Chemical Society* 128 (11): 3526-3527.
- Shao, M.H.**, and Adzic, R.R. (2005) Spectroscopic Identification of the Reaction Intermediates in Oxygen Reduction on Gold in Alkaline Solutions. *Journal of Physical Chemistry B* 109(35):16563-16566.
- Zhang, J., Lima, F.H.B., **Shao, M.H.**, Sasaki, K., Wang, J.X., Hanson, J., and Adzic, R.R. (2005) Platinum Monolayer on Nonnoble Metal-Noble Metal Core-Shell Nanoparticle Electrocatalysts for O₂ Reduction. *Journal of Physical Chemistry B* 109(48): 22701-22704.
- Shao, M.H.**, and Adzic, R.R. (2005) Electrooxidation of Ethanol on a Pt Electrode in Acid Solutions: *In Situ* ATR-SEIRAS Study. *Electrochimica Acta* 50(12): 2415-2422.
- Shao, M.H.**, Warren, J., Marinkovic, N.S., Faguy, P.W., and Adzic, R.R. (2005) *In Situ* ATR-SEIRAS Study of Electrooxidation of Dimethyl Ether on a Pt Electrode in Acid Solutions. *Electrochemistry Communications* 7(5):459-465.
- Sharma, A.**, Gambino, R.J., and Sampath, S. (2006) Anisotropic Electrical Properties in Thermal Spray Metallic Coatings. *Acta Materialia* 54:59-65.
- Sharma, A.**, Gambino, R. J., and Sampath, S. (2005) Electrical Conduction in Thermally Sprayed Thin Metallic Coatings. *Materials Research Society Symposium Proceedings* 890: Y9.11.
- Streibl, T., Vaidya, A., Friis, M., **Srinivasan, V.**, and Sampath, S. (2006) A Critical Assessment of Particle Temperature Distributions During Plasma Spraying: Experimental Results for YSZ. *Plasma Chemistry and Plasma Processing* 26(1):73-102.
- Srinivasan, V.**, Vaidya, A., Streibl, T., Friis M., and Sampath, S. (2006) On the Reproducibility of Air Plasma Spray Process and Control of Particle State. *Journal of Thermal Spray Technology* (in press).
- Koga, T., Li, C., **Sun, Y.**, Brazin, A., Rafailovich, M.H., Sokolov, J.C., Douglas, J.F., and Mahajan, D. (2005) Surface Modification of Polymeric Nanocomposite Thin Films Using Supercritical Carbon Dioxide. *Topics in Catalysis* 32: 257-262.
- Frenkel, A.I., Nemzer, S., Pister, I., Soussan, L., Harris, T., **Sun, Y.**, and Rafailovich, M.H. (2005) Size-Controlled Synthesis and Characterization of Thiol-Stabilized Gold Nanoparticles. *Journal of Chemical Physics* 123:184701.
- Sun, Y.**, Frenkel, A.I., Isseroff, R., Shonbrun, C., Forman, M., Shin, K., Koga, T., White, H., Zhang, L., Zhu, Y., Rafailovich, M.H., and Sokolov, J.C. (2006) Characterization of Palladium Nanoparticles Using X-ray Reflectivity, EXAFS and Electron Microscopy. *Langmuir* 22: 807-816.
- Pernodet, N., Fang, X., **Sun, Y.**, Bakhtina, A., Ramakrishnan, A., Sokolov, J., Ulman, A., and Rafailovich, M. (2006) Toxicity of Citrate/Gold Nanoparticles on Human Dermal Fibroblasts. *Small* 6:766-773.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Ji, Yuan.** (2005) Electrospun 3D Hyaluronic Acid Hydrogel Nanofibrous Scaffold: a Novel Material for Tissue Engineering. *Materials Research Society*. Boston, MA.
- Ji, Yuan.** (2005) Effect of the Electrospinning Process on the Morphology and Molecular Chain Orientation in Electrospun PS/clay Nanocomposites Fibers. *Materials Research Society*. Boston, MA.

- Ji, Yuan.** (2006) Dual Syringe Electrospinning of FNfds-modified Hyaluronic Acid. *American Physical Society*. Baltimore, MD.
- Ji, Yuan.** (2006) Structure and Nanomechanical Properties of Well-aligned Electrospun PS/MWCNT Composite Nanofibers. *American Physical Society*. Baltimore, MD.
- Kerkar, Prasad B.** (2005) Assessment of Formation Damage from Drilling Fluids Dynamic Filtration in Gas Hydrate Reservoirs of North Slope of Alaska. *56th Annual Technical Meeting, Canadian International Petroleum Conference (CIPC), Student Paper Contest, M.S.-Ph.D. Division*. Calgary, Canada.
- Kerkar, Prasad B.** (2005) Assessment of Formation Damage from Drilling Fluids Dynamic Filtration in Gas Hydrate Reservoirs of North Slope of Alaska. *The American Association of Drilling Engineers (AADE), Annual Technical Conference and Exhibition*. Houston, TX.
- Kerkar, Prasad** (2005) Assessment of Formation Damage from Drilling Fluids Dynamic Filtration in Gas Hydrate Reservoirs of North Slope of Alaska. *The Society of Petroleum Engineers Western Regional Meeting Student Paper Contest, M.S. Division*. Irvine, CA.
- Srinivasan, V.** (2005) An Integrated Approach Towards Synthesis and Control of Microstructure and Properties of Thermal Sprayed Coatings. *National Institute of Technology*. Trichy, Tamil Nadu, India.
- Taghavi, S., **Anjom, M.**, Garafola, C., Greenberg, B., King, P., Mahajan, D., and van der Lelie, D. (2006) Oxygen Tolerance of Hydrogen Production by Thermotoga Neapolitana. *ASM*. Orlando, FL.
- Anjom, M.**, Dong, B., Van Ooteghem, S.A., van der Lelie, D., Taghavi, S., and Mahajan, D. (2005) Biological Processing of Carbonaceous Sources Using Extremophiles for CO₂-Neutral Ultra-Pure H₂ Production. *AIChE*. Atlanta, GA.
- Anjom, M.** (2005) Biological H₂ Production Using Extremophiles. *Biology Department Brookhaven National Laboratory*. Upton, NY.
- Dhanaraj, G., Raghothamachar, B., **Bai, J.**, Chung, H., and Dudley, M. (2005) Synchrotron X-ray Topographic Characterization of Defects in InP Bulk Crystals. *17th Indium Phosphide and Related Materials conference*. Glasgow, Scotland, UK.
- Bai, J.**, Huang, X., and Dudley, M. (2005) Intersecting Basal Plane and Prismatic Plane Stacking Fault Structures and Strain Relaxation in GaN/AlN Epilayers on On-axis and Off-cut 6H-SiC Substrates. *Materials Research Society*. Boston, MA.
- Bai, J.**, Wu, B., Tassev, V.L., Lal Nakarmi, M., Sun, W., Huang, X., Dudley, M., Zhang, H., Bliss, D.F., Lin, J., Jiang, H., Yang, J., and Asif Khan, M. (2005) Stress Evolution During the Early Stages of AlN Vapor Growth. *Materials Research Society*. Boston, MA.
- Bai, J.**, Huang, X., and Dudley, M. (2005) Comparative HRTEM Observations of GaN/AlN Films Grown on Vicinal and On-axis SiC Substrates. *11th International Conference on Defects – Recognition, Imaging and Physics in Semiconductors*. Beijing, China.
- Bai, J.**, Huang, X., Raghothamachar, B., and Dudley, M. (2005) Strain Relaxation in GaN/AlN Films Grown on Vicinal and On-axis SiC Substrates. *International Conference on Silicon Carbide and Related Materials*. Pittsburgh, PA.
- Bai, J.**, Huang, X., Raghothamachar, B., Dudley, M., Chen, L., Skromme, B., Davis, R.F., Wagner, B., Wang, B., Callahan, M., and Bliss, D. (2005) TEM, High Resolution X-ray Diffraction (HRXRD), Synchrotron White Beam X-ray Topography (SWBXT), SEM and AFM Studies of Ammonothermal- GaN/HVPE-GaN and MOCVD-Grown AlN and GaN/AlN Epilayers. *MURI Review for An Integrated Approach to Bulk III-Nitride Crystal Growth and Wafering*. Stony Brook, NY.
- Bishop, A.**, and Gouma, P. (2005) Leucoemeraldine Based Polyaniline-Poly-vinyl-pyrrolidone Electrospun Composites and Bio-composites: A preliminary Study of Sensing Behavior. *International Conference on Nanomaterials and Nanotechnologies*. Crete, Greece.

- Bishop, A.**, and Gouma, P. (2005) Electrospun bio-nano-composites for electronic pathogen detection devices. *The International Conference on Bio-Nano-Informatics (BNI) Fusion*. Marina del Rey, CA.
- Bishop, A.**, Balazsi C.S., and Gouma, P. (2005) Hydroxyapatite Biocomposite Coatings Prepared by Electrospinning for Advanced Prosthetics. *8th International Symposium on Polymers for Advanced Technologie*. Budapest, Hungary.
- Bishop, A.**, and Gouma, P. (2005) Self Assembly in Biologically Synthesized Electrospun Electroactive Polymers. *Materials Research Society*. Boston, MA.
- Chen, Hui**, Wang, G., **Chen, Yi**, et al. (2006) Formation Mechanism of Carrot Defect in SiC. *Materials Research Society*. San Francisco, CA.
- Chen, Yi**, Dhanaraj, G., Dudley, M., and Zhang, H. (2006) Growth and Mechanism in Halide Chemical Vapor Deposition of Silicon Carbide. *Materials Research Society*. San Francisco, CA.
- Chen, Yi**, Dhanaraj, G., Dudley, M., et al. (2006) Multiplication of Basal Plane Dislocations via Interaction with c-axis Threading Dislocations in 4H-SiC. *Materials Research Society*. San Francisco, CA.
- Chen, Yi**, Dhanaraj, G., and Dudley, M. (2005) Defects and Surface Morphology in SiC Single Crystals. *NSLS Annual Users' Meeting*. Upton, NY.
- Chen, Yi**, Dhanaraj, G., **Chen, Hui**, Vetter, W., Dudley, M., and Zhang, H. (2005) Chemical Vapor Deposition and Defect Characterization of Silicon Carbide Epitaxial Films. *Materials Research Society*. Boston, MA.
- Dhanaraj, G., **Chen, Yi**, Dudley, M., Wu, B., and Zhang, H. (2005) Growth and Surface Morphology of 6H-SiC Bulk and Epitaxial Crystals. *International Conference on Silicon Carbide and Related Materials*. Pittsburgh, PA.
- Dhanaraj, G., Dudley, M., **Chen, Yi**, Raghothamachar, B., Wu, B., and Zhang, H. (2005) Epitaxial Growth and Characterization of Silicon Carbide Films. *16th American Conference on Crystal Growth and Epitaxy*. Big Sky, MT.
- Dhanaraj, G., **Chen, Yi**, Vetter, W., Huang, X.R., Raghothamachar, B., and Dudley, M. (2005) Defect Characterization Using Synchrotron X-ray Topography. *AACG quarterly meeting*. Rutgers, NJ.
- Eaton, M.**, Flood, R., and Mahajan, D. (2006) Decomposition Kinetic Studies of Methane Hydrates in Host Sediments at *In Situ* Conditions. *Science and Technology Issues In Methane Hydrate RandD Conference*. Kauai, HI.
- Iyer, K.K.**, Prasad, A.K., and Gouma, P. (2005) A Smart Medical Diagnostic Tool Using R Sensor Technology. *Materials Research Society*. Boston, MA.
- Bishop, A.**, **Iyer, K.K.**, and Gouma, P. (2005) Single Crystal Metal Oxide Nanowires for Gas Sensing Applications. *Materials Research Society*. Boston, MA.
- Wang, G., Sawicka, K., **Ji, Yuan**, Huang, X., Dudley, M., and Gouma, P. (2005) Fabrication and Characterization of Molybdenum Oxide Nanofibers/Nanowhiskers by Electrospinning. *Materials Research Society*. Boston, MA.
- Jiang, Jun.** (2005) Rheological and Morphology Characterization of Triblock Copolymer (PEO-PPO-PEO)-Clay gel in aqueous solution. *Materials Research Society*. Boston, MA.
- Jiang, Jun.** (2006) Synthesis and Characterization of Thermoreversible Hydrogels from Associating Polymers. *American Physics Society*. Baltimore, MD.
- Kerkar, Prasad B.**, Jones, K., Feng, H., Winters, W., and Mahajan, D. (2006) Characterization of Natural Depleted Sediment Using Computer Microtomography and X-ray Fluorescence. *2006 Science and Technology Issues in Methane Hydrate RandD., Engineering Conferences International*. Kauai, HI.

- Roeper, D.F.**, Chidambaram, D., Clayton, C.R., and Halada, G.P. (2005) Development of an Environmentally-friendly Protective Coating for the Depleted Uranium-0.75 wt% Titanium Alloy. *2005 Tri-Services Corrosion Conference*. Orlando, FL.
- Shao, M.H.**, Liu, P., Huang, T., Zhang, J., Sasaki, K., Vukmirvoic, M.B., Wang, J., and Adzic, R.R. (2006) Novel Electrocatalysts for Oxygen Reduction. *Joint NSLS and CFN Users' Meeting*. Upton, NY.
- Sasaki, K., **Shao, M.H.**, Vukmirovic, M.B., and Adzic, R.R. (2006) Low Pt Content Electrocatalysts for Methanol Oxidation. *209th Electrochemical Society Meeting*. Denver, CO.
- Shao, M.H.**, and Adzic, R.R. (2005) Spectroscopic Study on Reaction Intermediates in Oxygen Reduction on Au and Pt. *207th Electrochemical Society Meeting*. Quebec City, Canada. *Workshop on Opportunities in Nanocatalysis*. Tarrytown, NY.
- Lin, C.J., **Shao, M.H.**, Lin, Y.H., Huang, R.S., and Du, R.G. (2005) A Study on Localized Corrosion of Al 2024 in Chloride Solution by Scanning Electrochemical Probes. *5th Asian Conference on Electrochemistry*. Shanghai, China.
- Srinivasan, V.**, Chi, W., Vaidya, A., Streibl, T., Friis, M., Kulkarni, A., and Sampath, S. (2006) Integrated Approach Towards Establishing Process-Structure-Property Relation for Plasma Sprayed TBC's. *TBC Meeting at University of California*. Santa Barbara, CA.
- Liu, Y., Nakamura, T., **Srinivasan, V.**, Vaidya, A., Gouldstone, A., and Sampath, S. (2005) Nonlinear Investigation of Inelastic Behavior Observed in Thermally Sprayed YSZ. *Materials Research Society*. Boston, MA.
- Srinivasan, V.**, Vaidya, A., Streibl, T., Li, L., and Sampath, S. (2005) Examining the Variations in Splat Properties within the Footprint of a Spray Stream. *ITSC*. Basel, Switzerland.
- Sampath, S., **Srinivasan, V.**, Vaidya, A., Gouldstone, A., Liu, Y., and Nakamura, T. (2006) Sensing, Control, and *In Situ* Extraction of Coating Properties: An Integrated Approach towards Establishing Process Maps. *Proceedings of ITSC* (in press).

❖ Post-Doctorates Obtained and Professional Appointments

- Jiang, Jun.** (2006) Co-op. *ALZA*, Mountain View, CA.
- Kerkar, Prasad B.** (2005) Guest Scientist. Energy Science and Technology, *Brookhaven National Laboratory*, Upton, NY.

❖ Internship Appointments

- Bansal, Juhi.** (2005) Device Engineer co-op. *AMD (Spansion LLC)*, Sunnyvale CA.
- Bansal, Juhi.** (2006) Device Engineer co-op. *AMD (Spansion LLC)*, Sunnyvale CA.

MATHEMATICS

GRADUATE DIRECTOR: MICHAEL ANDERSON

DEPARTMENT CHAIR: DAVID EBIN

❖ Grants, Fellowships, and Awards

Chance, Mike. (2006) Carnegie Fellowship, \$2000. *Mathematics Department, SUNY Stony Brook*, Stony Brook, NY.

Chen, Xiaojun. (2005) Departmental Fellowship, \$1000. *Mathematics Department, SUNY Stony Brook*, Stony Brook, NY

Han, Zhigang. (2005) Departmental Fellowship in recognition of outstanding achievement and dedication. \$1000. *Mathematics Department, SUNY Stony Brook*, Stony Brook, NY

Hao, Ning. (2005) Summer Institute in Algebraic Geometry, *AMS and NSF*, Seattle.

Hu, Wenchuan. (2005) Nathans/Simon Fellowship Award for Outstanding Research, \$2,000. *Stony Brook University*, Stony Brook, NY

Li, Li. (2005) Travel grant, \$300. *Mathematics Department, SUNY Stony Brook*, Stony Brook, NY

Li, Li. (2005) Travel grant, \$280. *American Mathematics Society*.

Li, Li. (2005) Travel grant, \$500. *NSF*.

❖ Singly Authored Publications/Research Reports/Reviews

Hu, Wenchuan. (2005) Birational invariants defined by Lawson homology. *arXiv.org e-Print archive*: <http://arxiv.org/abs/math/0511722>.

Hu, Wenchuan. (2005) The Generalized Hodge Conjecture for 1-cycles and codimension two algebraic cycles. *arXiv.org e-Print archive*: 0511725.

Hu, Wenchuan. (2006) A note on Lawson homology for smooth varieties with small Chow groups. *arXiv.org e-Print archive*: 0602516.

Hu, Wenchuan. (2006) Infinitely generated Lawson homology groups on some rational projective varieties. *arXiv.org e-Print archive*: 0602517.

Hu, Wenchuan. (2006) Some relations between the topological and geometric filtration for smooth projective varieties. *arXiv.org e-Print archive*: 0603203.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposia, Workshops

Chance, Mike. (2005) Polyfold Examples. *SFT Workshop*. University of Leipzig, Leipzig, Germany.

Chen, Xiaojun. (2005) Introduction to BV algebras and string topology. *Complex Analysis Seminar*. Beijing, China.

Chen, Xiaojun. (2006) On the chain complex of free loop spaces and string topology. *Geometry and Topology Seminar*. Madison, WI.

- Dupont, Emiko.** (May 2005) An example of an M-polyfold. *Symplectic Field Theory Workshop*. Leipzig, Germany.
- Dupont, Emiko.** (Dec 2005) Symplectic Quotients. *Graduate seminar, Mathematics Department*. Stony Brook, NY.
- Dupont, Emiko.** (Nov 2005) On the symplectic isotopy problem. *Symplectic Geometry seminar*. Stony Brook, NY.
- Han, Zhigang.** (2006) Bi-invariant metrics on the group of symplectomorphisms. *AMS Joint Mathematics Meetings, Special Session on New Developments in Symplectic Topology*. San Antonio, TX.
- Han, Zhigang.** (2006) Bi-invariant metrics on the group of symplectomorphisms. *AMS Spring Eastern Section Meeting, Special Session on Symplectic and Contact Topology*. Durham, NH.
- Hu, Wenchuan.** (2005) Some birational invariants defined by Lawson Homology. *Algebraic, Geometry and Physics*. Stony Brook, NY.
- Hu, Wenchuan.** (2005) *Graduate Student Warm-Up Workshop for AMS Summer Institute in Algebraic Geometry*. Seattle, WA. (2005) *Summer Institute in Algebraic Geometry*. Seattle, WA.
- Prince, Tanvir.** (2006) On representation of quantum $SU(2)$. *Student quantum group seminar*. Stony Brook, NY.
- Prince, Tanvir.** (2006) Quantum Clebsch-Gordan coefficient. *Student quantum group seminar*. Stony Brook, NY.
- Suvaina, Ioana.** (2005) Existence and Obstructions of Einstein Metrics, *Mathematics Department Graduate Student Seminar*. Stony Brook, NY.
- Suvaina, Ioana.** (2005) . *MSRI Workshop*. Berkeley, CA.
- Xu, Dezheng.** (2006) *Stringy Topology in Morelia*. Morelia, Mexico.

❖ Post-Doctorates Obtained and Professional Appointments

- Hu, Wenchuan.** (2006) C.L.E. Moore Instructor. Department of Math, *MIT*, Boston, MA.
- Li, Li.** (2006) Research Fellowship. *Korean Institute for Advanced Study*, Korea.
- Suvaina, Ioana.** (2006) Post-doctorate. Math Department, *New York University*, NY.

❖ Other

- Chance, Mike.** (2006) Organizer of Graduate Seminar, *Mathematics Department, SUNY Stony Brook*, Stony Brook, NY.

MOLECULAR AND CELLULAR BIOLOGY

GRADUATE DIRECTOR: ROLF STERNGLANZ

DEPARTMENT CHAIR: WILLIAM J. LENNARZ

❖ Grants, Fellowships, and Awards

Forestal, Colin A. (2005) Cell and Molecular Biology Infectious Disease Training Grant. *NIAID*, Stony Brook University, Stony Brook, NY.

Kaczocha, M. (2005) ICRS Student Travel Award \$1000. *International Cannabinoid Research Society*, Burlington, VT

Ling, Liu. (2005) Abrahams Award for Outstanding Scientific Achievement by a Graduate Student. *Department of Microbiology*, Stony Brook University, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Shogomori, H., Hammond, A.T., **Barr, D.J.**, Feigenson, G.W., London, E., and Brown, D.A. (2005) Palmitoylation and Intracellular-domain Interactions Both Contribute to Raft Targeting of Linker for Activation of T Cells (LAT). *Journal of Biological Chemistry* 280:18931-18942.

Glaser, S.T., **Kaczocha, M.**, and Deutsch, D.G. (2005) Anandamide transport: a critical review. *Life Sci.* 77(14): 1584-604.

Kaczocha, M., Hermann, A., Glaser, S.T., Bojesen, I.N., and Deutsch, D.G. (2006) Anandamide Uptake is Consistent with Rate-limited Diffusion and is regulated by the Degree of its Hydrolysis by Fatty Acid Amid Hydrolase. *Journal of Biological Chemistry* 281(14):9066-75.

Karakas, Erkan, Wilson, H. L., Graf, T.N., Xiang, S., Jaramillo-Busquets, S., Rajagopalan, K.V., and Kisker, C. (2005) Structural Insights into Sulphite Oxidase Deficiency. *J Biol Chem* 280: 33506-15.

Karakas, Erkan, and Kisker, C. (2005) Structural analysis of missense mutations causing isolated sulfite oxidase deficiency. *Dalton Trans.* 21:3459-3463.

Truglio, J.J., **Karakas, Erkan**, Rhau B., Wang, H., Dellavecchia, M.J., Van Houten, B., and Kisker, C. (2006) Structural basis for DNA recognition and processing by UvrB. *Nat. Struct. Mol. Biol.* 13: 360-364.

Ling, Liu, McBride, and K., and Reich, N (2005) Nuclear Import of STAT3 is independent of tyrosine phosphorylation and mediated by importing- α 3. *Proc. Natl. Acad. Sci.* 102:8150-8155.

Ling, Liu, Yiwei, G., Haoqun, Q., Miller, T., Poli, V., and Reich, N. (2006) Identification of STAT3 as a specific substrate of breast tumor kinase. *Oncogene* 25(35):4904-12.

Rampal, R., Li, A.S.Y., Moloney, M.J., Georgiou, S.A., **Luther, K.B.**, Nita-Lazar, A., and Haltiwanger, R.S. (2005) Lunatic fringe, Manic fringe, and Radical fringe recognize similar specificity determinants in O-fucosylated EGF repeats. *J Biol Chem* 280:42454-42463

Parathath, Susana R., Parathath, Sajesh, and Tsirka, Stella E. (2006) Nitric oxide mediates neurodegeneration and breakdown of the blood-brain barrier in tPA-dependent excitotoxic injury in mice. *Journal of cell science* 119(2):339-49

Rampal, R., Arboleda-Velasquez, J.F., Nita-Lazar, A., Kosik, K.S., and Haltiwanger, R. S. (2005) highly Conserved O-fucose sites have distinct effects on Notch1 function. *J Biol Chem* 280:32133-32140.

Rampal, R., Li, A.S.Y., Moloney, M.J., Georgiou, S.A., **Luther, K.B.**, Nita-Lazar, A., and Haltiwanger, R.S. (2005) Lunatic fringe, Manic fringe, and Radical fringe recognize similar specificity determinants in O-fucosylated EGF repeats. *Journal of Biological Chemistry* 280:42454-42463

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Bolger, C.E., and Furie, M.B. (2005) Characterization of the factors released by killed *F. tularensis* that account for its ability to stimulate proinflammatory changes in endothelium. *Northeastern Biodefense Center Annual Meeting*. Cold Spring Harbor, NY

Bolger, C.E., **Forestal, Colin A.**, Italo, J.K., Benach, J.L., and Furie, M.B. (2005) Interactions of a Live Vaccine Strain of *Francisella tularensis* with Murine and Human Phagocytes. *American Society for Microbiology General Meeting*. Atlanta, GA.

Dlugosz, M., **Luo, Y.**, and Haltiwanger, R.S. (2005) O-Fucosylation of Thrombospondin Type 1 Repeats: Analysis of Mouse O-Fuct-2. *Glycobiology* 15:1219a.

Liu, L., **Gao, H.**, Miller, W.T., Poli, V., and Reich, N.C. (2006) Identification of STAT3 as a Specific Substrate of Breast Tumor Kinase. *Oncogene* 25(35):4904 -12.

Gao, H., **Liu, L.**, and Reich, N.C. (2005) Regulation of STAT3 by the c-Abl Tyrosine Kinase. *International Society for interferon and Cytokine Research*. Shanghai, China.

Joshi, Shivanjali. (2006) Characterizing the degradation pathways of misfolded glycoproteins. *Centennial Meeting of the ASBMB*. San Francisco, CA.

Kaczocha, M., Hermann, A., Glaser, S.T., Bojesen, I.N., and Deutsch, D.G. (2006) Anandamide Uptake is Consistent with Rate-limited Diffusion and is regulated by the Degree of its Hydrolysis by Fatty Acid Amid Hydrolase. *XV Annual international Cannabinoid Research Society Symposium*. Clearwater, FL.

Hermann, A., **Kaczocha, M.**, and Deutsch, D. G. (2006) 2-Arachidonoyl (2-AG) Membrane Transport: History and Outlook. *AAPSJ* 8(2): E409-E412.

Karakas, Erkan. (2005) Structural Analysis of missense mutations causing isolated sulfite oxidase deficiency. *Dalton Discussion 8. Metals: Centres of biological Activity*. Nottingham, UK.

Geney, R., **Layten, M.**, Gomperts, R., Hornak, V., and Simmerling, C. (2006) Investigation of Salt Bridge Stability in a Generalized Born Solvent Model. *J Chem Theory Comput* 2:115-127.

Okur, A., **Wickstrom, L.**, **Layten, M.**, Geney, R., Song, K., Hornak, V., and Simmerling, C. (2006) Improved Efficiency of replica exchange simulations through use of a hybrid explicit/implicit salvation model. *Journal of Chemical Theory and Computation* 2:420-433 .

Luther, K.B., Rampal, R., Georgiou, S., and Haltiwanger, R.S. (2005) Analysis of the Oligomeric States of Mouse Lunatic Fringe. *Glycobiology* 15:1218a.

❖ Post-Doctorates Obtained and Professional Appointments

Ling, Liu. (2006) Postdoctoral Fellow. Department of Medicine/Oncology Division, *Stanford University School of Medicine*, Stanford, CA.

Parathath, Susana R. (2005) Postdoctoral Fellow. Dr. Anna Marie Kenney, Cancer Biology and Genetics, *Memorial Sloan Kettering Cancer Center*. New York, NY

Xiaorong, Wang. (2005) Postdoctoral Fellow. *Stowers Institute*. Kansas City, MO.

NEUROSCIENCE

GRADUATE DIRECTOR: LONNIE WOLLMUTH

DEPARTMENT CHAIR: SIMON HALEGOUA

❖ Grants, Fellowships, and Awards

Barbarich-Marsteller, N.C. (2006) Individual Pre-doctoral National Research Service Award. \$27,485. *NIDA*. Bethesda, MD.

Tan, Andrew M. (2005) Best poster presentation at the Annual Graduate Student Symposium. \$100. SUNY at Stony Brook, Stony Brook, NY.

Tan, Andrew M. (2005) Keystone Symposia Scholarship Winner. \$1000. *National Institute of Neurological Disorders and Stroke (NINDS)*, Keystone Breckinridge, CO.

Zanazzi, G., Deans' List for academic achievement. *Stony Brook University School of Medicine*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Marsteller, Douglas A., **Barbarich-Marsteller, N.C.**, Fowler, J.S., Schiffer, W.C., Alexoff, D.L., Rubins, D., and Dewey, S.L. (2006) Reproducibility of intraperitoneal 2-deoxy-2-[¹⁸F]-fluoro-D-glucose cerebral uptake in rodents through time. *Nuclear Medicine and Biology* 33(1):71-79.

Wagner, A., **Barbarich-Marsteller, N.C.**, Frank, G.K., Bailer, U.F., Wonderlich, S.A., Crosby, R.D., Henry, S.E., Vogel, V., Plotnicov, K., McConaha, C., and Kaye, W.H. (2006) Personality traits after recovery from eating disorders: Do subtypes differ? *International Journal of Eating Disorders* 39(4):276-284.

Barbarich-Marsteller, N.C., Marsteller, Douglas A., Fowler, J.S., Alexoff, D.L., Schiffer, W.K., and Dewey, S.L. (2006) Food restriction decreased the dopaminergic response to a methamphetamine challenge measured with ¹¹C-raclopride and microPET. *Journal of Nuclear Medicine* (submitted).

Barbarich-Marsteller, N.C., Marsteller, Douglas A., Fowler, J.S., and Dewey, S.L. (2006) Food restriction during late adolescence decreased the reinforcement value of cocaine compared to food: no correlation with absolute changes in striatal dopamine. *Synapse* (submitted).

Barbarich-Marsteller, N.C., Marsteller, Douglas A., Fowler, J.S., and Dewey, S.L. (2006) Food restriction during periadolescence increased the reinforcement value of cocaine compared to food in both male and female rats. *Behavioral Pharmacology* (submitted).

Marsteller, Douglas A., **Barbarich-Marsteller, N.C.**, Alexoff, D.L., and Dewey, S.L. (2006) Sexually dimorphic glucocorticoid action reverses serotonergic-induced increases in exploratory behavior. *Journal of Endocrinology* (submitted).

Marsteller, Douglas A., **Barbarich-Marsteller, N.C.**, Patel, V.D., and Dewey, S.L. (2006) Metabolic influence of chronic citalopram infusion in the brain: Lower striatal serotonin levels are associated with increased γ -aminobutyric acid levels and ¹⁸FDG uptake. *Neuropsychopharmacology* (submitted).

Chen, F.P., and **Evinger, C.** (2006) Cerebellar Modulation of Trigeminal Reflex Blinks: Interpositus Neurons. *Journal of Neuroscience* 26(41):10569-10576.

Shapiro, M.J., **Chen, Y.Y.**, and Shapiro, V.S. (2005) The Carboxyl-terminal Segment of the Adaptor Protein ALX Directs Its Nuclear Export During T Cell Activation. *J Biol Chem* 280 (46) 38242-6.

- Tan, Andrew M.**, Zhang, W., and Levine, J.M. (2005) NG2: a component of the glial scar that inhibits axon growth. *Journal of Anatomy* 207(6):717-25.
- Tan, Andrew M.**, Colletti, M., Rorai, A., and Levine, J.M. (2006) Antibodies against the NG2 proteoglycan promote the regeneration of sensory axons within the dorsal columns of the spinal cord. *The Journal of Neuroscience* 26(18):4729-4739.
- Taveggia, C., **Zanazzi, G.**, Petrylak, A., Yano, H., Rosenbluth, J., Einheber, S., Xu, X., Esper, R., Loeb, J., Shrager, P., Falls, D.L., Chao, M.V., Role, L., and Salzer, J.L. (2005) Type III neuregulin-1 levels determine the ensheathment fate of axons. *Neuron* 47:681-694.
- Melendez-Vasquez, C., Carey, D.J., **Zanazzi, G.**, Reizes, O., Maurel P., and Salzer, J.L. (2005) Differential expression of proteoglycans at central and peripheral nodes of Ranvier. *Glia* 52:301-308.
- Koticha, D., Maurel, P., **Zanazzi, G.**, Kane-Goldsmith, N., Basak, S., Babiarz, J., Salzer, J., and Grumet, M. (2006) Neurofascin interactions play a critical role in clustering sodium channels, ankyrin G and beta IV spectrin at peripheral nodes of Ranvier. *Developmental Biology* 293:1-12.
- Glaser, S., Deutch, D., Studhome, K., **Zimov, S.**, and Yazulla, S. (2005) Endocannabinoids in the intact retina: ³H-anandamide uptake, fatty acid amide hydrolase immunoreactivity and hydrolysis of anandamide. *Visual Neuroscience*, 22(6):693-705.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Barbarich-Marsteller, N.C.**, Marsteller, Douglas A., Fowler, J.S., and Dewey, S.L. (2005) Chronic food restriction in female rats increased conditioned place preference for food compared to cocaine. *Society for Neuroscience 35th Annual Meeting*. Washington, DC. (Press release abstract)
- Marsteller, Douglas A., Patel, V.D., **Barbarich-Marsteller, N.C.**, and Dewey, S.L. (2005) Measure of induced changes in neurotransmitter and glucose metabolism during chronic citalopram infusion. *Society for Neuroscience 35th Annual Meeting*, Washington, DC.
- Chen, F.P.**, and **Evinger, C.** (2005) Cerebellar Modulation of Trigeminal Reflex Blinks. *Society for Neuroscience*, program No. 744.1. Washington, DC.
- Chen, F.P.** (2005) Cerebellar Modulation of Trigeminal Reflex Blinks. *Student symposium*. Stony Brook, NY.
- Tan, Andrew M.**, Colletti, M.C., and Levine, J.M. (2005) Antibody-Induced Neutralization of the Glial Scar Promotes Sensory Axon Regeneration. *Society for Neuroscience*. Washington, DC
- Tan, Andrew M.**, Colletti, M.C., and Levine, J.M. (2005) Antibody-Induced Neutralization of the Glial Scar Promotes Sensory Axon Regeneration. *Keystone Symposium—Axonal Connections: Molecular Cues for Development and Regeneration*. Breckenridge, CO.
- Studholme, K.M., **Zimov, S.**, Torre-Healy, A., and Yazulla, S. (2006) Immunolocalization of Endocannabinoid Degradative Enzymes FAAH, MGL and COX-2 in Mouse Retina. *Association for Research in Vision and Ophthalmology*. Fort Lauderdale, FL: Abstract 5382.

❖ Post-Doctorates Obtained and Professional Appointments

- Barbarich-Marsteller, N.C.** (2006) Post-doctorate. Department of Psychiatry, *College of Physicians and Surgeons of Columbia University*, New York, NY.
- Chen, F.P.** (2006) Post-doctorate. Department of Neuroscience, *Stanford University*, Stanford, CA.

ORAL BIOLOGY AND PATHOLOGY

GRADUATE DIRECTOR: MARCIA SIMON
DEPARTMENT CHAIR: ISRAEL KLEINBERG

❖ Grants, Fellowships, and Awards

Prakasam, Sivaraman. (2006) Third Place, Senior Category, AADR Pfizer HATTON Award. *AAADR/CADR General Session and Exhibition*, Orlando, FL.

Prakasam, Sivaraman. (2006) , IADR Unilever Travel Award 2006 , \$884. *IADR 84th General Session and Exhibition*, Brisbane, Australia.

Prakasam, Sivaraman. (2006) Finalist IADR Pfizer HATTON Award. *IADR 84th General Session and Exhibition*, Brisbane, Australia.

❖ Jointly Authored Publications/Research Reports/Reviews

Carnu, O.I., Ryan, M.E., and Tenzler, R., (2006) The Impact of Periodontitis on Metabolic Control and Risk for Diabetic Complications. *Grand Rounds in Oral Systemic Medicine* 2:24-34.

Jurukovska, Nevena Karaman, Mazzieri, R., Jurukovski, V., Obata, H., Sung, J., Platt, A., Annes, E., Gleizes, Pierre-Emmanuel., and Rifkin, Daniel B. (2005) Expression of truncated latent TGF-B-binding protein modulates TGF-B signaling. *Journal of Cell Science* 118:2177-2187.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Stange, F., Kleinberg, I., Sobarzo, D., and Wolff, M.S. (2006) Micro-hardness Study of Hidden Caries Penetration through Dentin . *AAADR/CADR Conference*. Orlando, Florida.

Stange, F., Yin, L., Raske, M., Wolff, M., and Kleinberg, I., (2006) Development of a Miniature in-vitro system for Dentin Caries Model. *AAADR/CADR Conference*. Orlando, Florida.

Prakasam, Sivaraman., Taichman, L., Jotwani, R., and Cutler, C. (2006) Genetically-Engineered IL-10-Secreting Keratinocytes Condition Langerhans Cells Towards A Toleragenic Phenotype. *AAADR/CADR Conference*. Orlando, Florida.

Carnu, O.I., Farrell, J., Tenzler, R., Oringer, R., and Ryan, M.E. (2006) Effects of Periodontal Therapy on Local and Systemic Inflammatory Biomarkers. *The 35th Annual Meeting and Exhibition of the AADR*. (Poster presentation).

Carnu, O.I., Simon, M., and Ryan, M.E. (2006) Glycation Status of the Extracellular Matrix Alters Fibroblast Expression and Secretion of Inflammatory Mediators, American Diabetes Association Research Symposium: Advanced Glycation End Products and Diabetic Complications: *Insights into New Mechanisms and New Therapeutic Targets*. Cambridge, MA.

Carnu, O.I., Ryan, M.E., Eswaran, V.K.E., Farrell, J., Tenzler, R., Roemer, and E., Simon, S. (2006) Periodontal Therapy Effects on Biomarkers of Systemic Inflammation in Smokers. *The 35th Annual Meeting and Exhibition of the AADR*. Orlando, Florida. (Oral presentation).

- Carnu, O.I.**, Walker, S.G., and Ryan, M.E. (2006) Inhibition of the *Streptococcus sanguinis* IgA1 Proteinase by Tetracyclines. *The 35th Annual Meeting and Exhibition of the AADR*. Orlando, Florida. (Poster presentation)
- Carnu, O.I., Ryan, M.E., Farrell, J., Finkelman, R.D., Ceuppens, P., and Maciewicz, R.A. (2006) Evaluation of Surrogate End Points in a Dog Periodontitis Model. *The 35th Annual Meeting and Exhibition of the AADR*. Orlando, Florida. (Poster presentation).

PHARMACOLOGICAL SCIENCES

GRADUATE DIRECTOR: STELLA TSIRKA

DEPARTMENT CHAIR: JEFFREY PESSIN

❖ Grants, Fellowships, and Awards

Caces, D.B. (2005) Van der Kloot Award for Excellence in Teaching in the Graduate Program in Molecular and Cellular Pharmacology, \$500. Stony Brook, NY.

Feigin, Michael. (2005) Graduate Program in Molecular and Cellular Pharmacology Annual Symposium's "Snapshot" Award, \$75. Stony Brook, NY.

Gravanis, Iordanis. (2006) Graduate Council Commendation for Excellence in Teaching by Graduate Student. *Stony Brook University*, Stony Brook, NY.

Mirrione, M. Martine. (2005) 3rd Place in Poster Competition, \$100. *Xth International Workshop on Molecular and Cellular Biology of Plasminogen Activation*, Washington, DC.

Staresincic, Lidija. (2006) Molecular Cell poster prize on 'Coordination of Dual Incision and Repair Synthesis in Human Nucleotide Excision Repair'. *From Molecular Mechanism to Human Disorders*, Netherlands.

Su, Wenjuan. (2005) Van der Kloot Award for Excellence in Research in the Graduate Program in Molecular and Cellular Pharmacology, \$500. Stony Brook, NY.

Watkins, Jermel. (2005) Turner Dissertation Fellowship, \$10,000. Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Procino, G., **Caces, D.B.**, Valenti, G., and Pessin, J.E. (2006) Adipocytes support cAMP-dependent translocation of aquaporin-2 from intracellular sites distinct from the insulin-responsive GLUT4 storage compartment. *Am J Physiol Renal Physiol* 290(5):F985-94.

Connolly, Jamie E., and Engebrecht, J. (2006) The Arf-GTPase-activating protein Gcs1p is essential for sporulation and regulates the phospholipase D Spo14p. *Eukaryot Cell* 5(1):112-24.

Marsteller, Douglas A., Barbarich-Marsteller, N.C., Fowler, J.S., Schiffer, W.K., Alexoff, D.L., Rubins, D.J., and Dewey, S.L. (2006) Reproducibility of intraperitoneal 2-deoxy-2-[18F]-fluoro-D-glucose cerebral uptake in rodents through time. *Nucl Med Biol* 33(1):71-9.

Barbarich-Marsteller, N.C., **Marsteller, Douglas A.**, Alexoff, D.L., Fowler, J.S., and Dewey, S.L. (2005) MicroPET imaging in an animal model of anorexia nervosa. *Synapse* 57(2):85-90.

Schiffer, W.K., **Mirrione, M. Martine**, Biegon, A., Alexoff, D.L., Patel, V., and Dewey, S.L. (2006) Serial microPET measures of the metabolic reaction to a microdialysis probe implant. *J Neurosci Methods* 155(2):272-84.

Mirrione, M. Martine, Schiffer, W.K., Siddiq, M., Dewey, S.L., and Tsirka, S.E. (2006) PET imaging of glucose metabolism in a mouse model of temporal lobe epilepsy. *Synapse* 59(2):119-21.

Parathath, Susana R., **Parathath, Sajesh**, and Tsirka, S.E. (2006) Nitric oxide mediates neurodegeneration and breakdown of the blood-brain barrier in tPA-dependent excitotoxic injury in mice. *J Cell Sci* 119(2):339-49.

Xanthopoulos, K., Paspaltis, I., Apostolidou, V., Petrakis, S., **Siao, C.J.**, Kalpatsanidis, A., Grigoriadis, N., Tsaftaris, A., Tsirka, S.E., and Sklaviadis, T. (2005) Tissue plasminogen activator in brain tissues infected with transmissible spongiform encephalopathies. *Neurobiol Dis* 20(2):519-27.

Su, Wenjuan, Chardin, P., Yamazaki, M., Kanaho, Y., and Du, G. (2006) RhoA-mediated Phospholipase D1 signaling is not required for the formation of stress fibers and focal adhesions. *Cell Signal* 18(4):469-78

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Caces, D.B. (2005) Adipocytes support cAMP-dependent translocation of Aquaporin 2 (AQP2) from intracellular sites distinct from the insulin-responsive GLUT4 storage compartment. *4th International Conference on Aquaporins*. Brussels, Belgium.

Connolly, Jamie E., and Engebrecht, J. (2005) Closing the GAP: Relationship between PLD and Arf-GAPs in Sporulation. *2005 Yeast Cell Biology Meeting*. Cold Spring Harbor, NY.

Feigin, Michael, Wang, H-Y., and Malbon, C.C. (2006) RGS protein regulation of Wnt/ β -catenin signaling. *Keystone Symposium on Wnt and beta-Catenin Signaling*. Snowbird, UT.

Gravanis, Iordanis, Hajjar, K.A., and Tsirka, S.E. (2005) tPA-dependent annexin A2-mediated microglial activation. *10th International Workshop on the Molecular and Cellular Biology of Plasminogen Activation*. Washington, DC.

Barbarich-Marsteller, N.C., **Marsteller, Douglas A.**, and Dewey, S.L. (2005) Effects of long term food deprivation on neuronal activity assessed with 2-deoxy-2-[¹⁸F]fluoro-D-glucose and microPET: An animal model of anorexia nervosa. *The Academy for Eating Disorders International Conference*. Montreal, QC Canada.

Mirrione, M. Martine, Schiffer, W.K., Siddiq, M., Dewey, S.L., and Tsirka, S.E. (2005) Interactions between tPA and Zinc Modulate Seizure Severity during Temporal Lobe Epilepsy. *Xth International Workshop on Molecular and Cellular Biology of Plasminogen Activation*. Washington, DC.

Sheehan, John, J., Rogove, Andrew., D., Zhou C., and Tsirka S.E. (2005) Recruitment of Microglia by Plasmin-Mediated Cleavage of Monocyte Chemoattractant Protein-1 is Necessary for Progression of Excitotoxin-Induced Cell Death in the Adult Mouse Hippocampus. *Experimental Biology 2005*. San Diego, CA.

Su, Wenjuan, Zhang, Y., Kanaho, Y., Bliska, J., and Frohman, M.A. (2006) Role of PI4P5Kinase-alpha in phagocytosis. *Tskuba University*. Tokyo, Japan.

❖ Post-Doctorates Obtained and Professional Appointments

Connolly-Rohrbach, Jamie. (2005) Post-doctoral Fellow. Dr. Scott Powers, *University of California at Davis*, Davis, CA.

Liu, Nancy (Yang). (2006) Post-doctoral Fellow. Dr. Scott Powers, *Cold Spring Harbor Laboratory*, Cold Spring Harbor, NY.

Marsteller, Douglas A. (2005) Postdoc. *Lundbeck Scientific Inc.*, Paramus, NJ

Ocampo, Christopher. (2005) 3rd Year Medical Student, MSTP candidate. *Stony Brook University*, Stony Brook, NY.

Pharmacological Sciences

Parathath, Sajesh. (2005) Post-doctoral Fellow. Dr. Edward Fisher, Department of Cardiology/ Medicine, *New York University*, New York, NY.

Peng, Yinan. (2005) Serving in the Peace Corps.

Sheehan, John, J. (2005) Post-doctoral Fellow. Dr. Virginia Lee, Department of Neuroscience, *University of Pennsylvania*, Philadelphia, PA.

Strockbine, Bentley. (2005) Postdoctoral fellow. Dr. Robert Rizzo, Dept of Applied Math, and The Institute of Chemical Biology and Drug Discovery, *Stony Brook University*, Stony Brook, NY.

Wang, Yousong. (2006) Resident in Internal Medicine. *St Luke's Hospital*, New York, NY.

PHILOSOPHY

GRADUATE DIRECTOR: DONN WELTON
DEPARTMENT CHAIR: ROBERT CREASE

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

Cohoon, Christopher. (2006) *The Second Self: Similarity and Friendship in the Nicomachean Ethics. Making Friendship: Bonds, Boundaries, Becomings.* New York University, NY.

❖ **Exhibitions / Performances**

Cohoon, Christopher. (2006) *The South through the Northern Eye.* Photograph Rosa, winner, Ethical Images Competition. *Atlantic Council for International Cooperation.* (group)

PHYSICS AND ASTRONOMY

GRADUATE DIRECTOR: LASZLO MIHALY

DEPARTMENT CHAIR: PETER KOCH

❖ Grants, Fellowships, and Awards

Calaga, Rama. (2006) IEEE-NPSS Graduate Student Scholarship, \$500. *IEEE-NPSS*.

Christensen, Neil. Max Dresden Prize, \$500. *Stony Brook University*. Stony Brook, NY.

Dahms, Torsten. (2006) T. A. Pond Prize, \$300. Department of Physics and Astronomy, *Stony Brook University*. Stony Brook, NY.

Doebbler, Jennifer. (2006) Dr. Nathaniel and Fanie Soroff Prize, \$300.

Kato, Tokufumi. (2006) Neutrino 2006 Scholarship, \$495.

Lapidus, Saul. (2006) David Fox Prize, \$400. *Stony Brook University*. Stony Brook, NY.

Ma, Xiaolong. (2006) Peter B. Kahn Fellowship, \$700. Department of Physics and Astronomy, *Stony Brook University*. Stony Brook, NY.

Nichols, Sarah. (2006) Henry B. Silsbee Prize, \$1000. *Stony Brook University*, Physics Department. Stony Brook, NY

Shim, Hyunoo. (2006) Benjamin W. Lee Prize, \$1000. Department of Physics and Astronomy, *Stony Brook University*. Stony Brook, NY

Strauss, Emanuel. (2006) Soroff, \$300. Department of Physics and Astronomy, *Stony Brook University*. Stony Brook, NY

Zhou, Wei. (2006) CWA1104/GSEU fund, \$370. *Graduate Student Employees Union*, GSEU.

❖ Singly Authored Publications/Research Reports/Reviews

Huang, Yu-tin. (2005) N=4 Super Yang-mills NMHV loop in superspace. *Physics Letters B* 631:177.

❖ Jointly Authored Publications/Research Reports/Reviews

Simon, M., **Bender, C.**, and Prato, L. (2006) The GL569 Multiple System. *Astrophysical Journal* 644 (1):1183–1192.

Beznosko, Dmitriy, Blazey, G., Dyshkant, A., Rykalin, V., Schellpffer, J., and Zutshi, V. (2006) Modular Design for Narrow Scintillating Cells with MRS Photodiodes in Strong Magnetic Field for ILC Detector. *Nuclear Instruments and Methods in Physics Research Section A* 564(1):178-184.

Beznosko, Dmitriy, Blazey, G., Dyshkant, A., Maloney, J., Rykalin, V., and Schellpffer, J. (2005) Modular Design of Long Narrow Scintillating Cells for ILC Detector. *FNAL Preprint* : FERMILAB-PUB-05-387

J. S. Parker, B. J. S. Doherty, K. T. Taylor, K. D. Schultz, **Blaga, C.I.**, and DiMauro, L.F. (2006) High-Energy Cutoff in the Spectrum of Strong-Field Nonsequential Double Ionization. *Physical Review Letters* 96(13): doi: 10.1103/PhysRevLett.96.133001.

- Calaga, Rama**, Ben-Zvi, I., Blaskiewicz, M., Chang, X., Kayran, D., and Litvinenko, V. (2006) High Current Superconducting Gun at 703.75 MHz. *Physica C* 441(1-2):159-172.
- Calaga, Rama**, Tomas, R., and Franchi, A. (2005) Merging the Hamiltonian and Matrix approaches. *Phys. Rev. ST Accel. Beams* 8: 034001.
- Cardoza, David**, Pearson, Brett J., Baertschy, Mark, and Weinacht, Thomas. (2006) Charge-transfer as a mechanism for controlling molecular fragmentation. *Journal of Photochemistry and Photobiology A: Chemistry* 180(3):277-281.
- Christensen, Neil**, and Shrock, Robert. (2006) Technifermion representations and precision electroweak constraints. *Phys. Letters B* 632: 92-98.
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- Korepin, Vladimir, and **Liao, Jinfeng**. (2005) Quest for fast partial search Algorithm. *Quantum Information Processing* 5(3):209-226.
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- Reyes, Sebastian**, and Tsvelik A.M. (2006) Finite temperature correlation function for one-dimensional Quantum Ising model: the virial expansion. *arXiv.org e-Print archive*: 0605040.
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- Trallero, Carlos**, Cohen, J.L., and Weinacht, T.C. (2006) Strong Field Atomic Phase Matching. *Physics Review Letters* 96: 063603.
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- Wang, Jing**, Li, Tianfang, Lu, Hongbing, and Liang, Zhengrong. (2006) Noise Reduction for Low-dose Single-slice Helical CT Sinograms. *IEEE Trans. Nucl. Science* 53(3):1230–1237.
- Xie, Huafeng, **Yan, Koon-Kiu**, and Maslov, Sergei. (2005) Effects of Community Structure on Search and Ranking in Information Network. *Proceeding of NATO ASI Geilo 2005*: 0409087.
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- Camino, F.E., **Zhou, Wei**, and Goldman, V.J. (2005) Aharonov-Bohm Superperiod in a Laughlin Quasiparticle Interferometer. *Phys. Rev. Lett.* Vol. 95:246802.
- Zhou, Wei**, Camino, F.E., and Goldman, V.J. (2005) Flux Period Scaling in the Laughlin Quasiparticle Interferometer. *Physical Review B* 73(24): doi:10.1103/PhysRevB.73.245322.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Calaga, Rama**. (2005) Optimizing the cavity shape for ERLs. *Optimizing the cavity shape for ERLs*. Newport News, VA.
- Calaga, Rama**. (2005) ERL Cavity for High Currents. *12th Workshop of RF Superconductivity*. Ithaca, NY.
- Cardoza, David**, Baertschy, Mark, and Weinacht, Thomas. (2005) Gaining Mechanistic Insight from Closed-Loop Learning Control of Molecular Fragmentation. *Frontiers in Optics/Laser Science XXI*. Tucson, AZ.

- Cardoza, David**, Pearson, Brett J., and Weinacht, Thomas. (2006) Imaging Dissociative Wavefunctions of Polyatomic Molecules Through Wave Packet Interference. *Conference on Lasers and Electro-Optics/Quantum Electronics and Laser Science*. Long Beach, CA.
- Cardoza, David**, Baertschy, Mark, and Weinacht, Thomas. (2005) Understanding Learning Control of Molecular Fragmentation. *Gordon Research Conference on Quantum Control of Light and Matter*. Colby, ME.
- Cardoza, David**. (2006) Controlling Molecular Reactions Using Shaped, Ultrafast Laser Pulses. *Seminar at Carleton College*. Northfield, MN.
- Christensen, Neil**. (2005) Studies of Dynamical Electroweak Symmetry Breaking. Michigan State University *High Energy Seminar*. Lansing, MI.
- Christensen, Neil**. (2005) Studies of Dynamical Electroweak Symmetry Breaking. *Yale University High Energy Seminar*. New Haven, CT.
- Christensen, Neil**. (2005) Studies of Dynamical Electroweak Symmetry Breaking. *Boston University High Energy Seminar*. Boston, MA.
- Desai, Satish**. (2006) Search for Technicolor Production at $D\bar{0}$. American Physical Society. *APS April Meeting*. Dallas TX.
- Desai, Satish**. (2006) A Search for WH Associated Production at $D\bar{0}$. *APS April Meeting*. Dallas, TX
- Eardley, Matthew**, Claire, V. Shean, and Metcalf, Harold J. (2006) Atomic Nanofabrication with Metastable Helium. *Boulder School for Condensed Matter and Materials Physics*. Boulder, CO.
- Eardley, Matthew**, Wang, Ying-Ju, Knappe, Svenja, Moreland, John, Hollberg, Leo, and Kitching, John. (2006) Excitation of Atoms with Magnetic Microstructures. *APS Division of Atomic, Molecular and Optical Physics*. Knoxville, TN.
- Franchini, Fabio**, and Abanov, Alexander. (2006) Hydrodynamic Description of Correlators in Quantum Fluids. *Invited Seminar*. Minneapolis, MN.
- Franchini, Fabio**, and Abanov, Alexander. (2006) Coupling of Spin and Charge Degrees of Freedom in a Hydrodynamic Two-Fluid Approach. *APS March Meeting*. Baltimore, MD.
- Giombi, Simone**. (2006) Half-BPS geometries of type IIB supergravity and free fermions. *Invited Seminar*. Bologna, Italy.
- Holt, Jeremy**, Brown, G.E., Holt, J.D., Kuo, T.T.S., and Bogner, S.K. (2005) Fermi liquid theory and Kuo-Brown effective interactions. *2005 Second Joint Meeting of the Nuclear Physics Division of the APS and JPS*. Maui, Hawaii
- Kamin, Jason**. (2006) A hadron blind detector for the PHENIX experiment. *Hot Quarks 2006*. Villasimius, Sardegna, Italy
- Kato, Tokufumi**. (2005) The Super-Kamiokande Collaboration. A Search for Tau Appearance in Atmospheric Neutrinos with Super- Kamiokande. *ICRC 2005*. Pune, India
- Krycka, Kathryn**, Kao, Chi-Chang, Majetich, Sara, and Sachan, Madhur. (2006) Anomalous X-ray Characterization of $\text{Î}\mu\text{-Co}$ Nanoparticles with Thin Oxide Shells. *APS March Meeting*. Baltimore, MD.
- Krycka, Kathryn**, and Kao, C.C. (2005) Characterization of Nano-Magnetic and Biological Systems Using Anomalous Small Angle X-ray Scattering. *X-rays and Neutrons: Essential Tools for Nanoscience*. Washington, DC
- Ma, Xiaolong**, and Likharev, Konstantin. (2006) Global Reinforcement Learning in Neural Networks with Stochastic Synapses. *WCCI 2006*. Vancouver, BC Canada.
- Newaz, A.K.M.**, Song, W., Nielsen, B., Mendez, E.E., Hey, R., Kostial, H., and Grahn, H.T. (2006) Shot Noise in Coherently Coupled GaAs-AlGaAs Double-. *APS March Meeting*. Baltimore, MD.

- Lin, Y., **Newaz, A.K.M.**, Mendez, E.E., and Nitta, J. (2006) Magnetotunneling Spectroscopy in InGaAs Double-well. *APS March Meeting*. Baltimore, MD.
- Reyes, Sebastian**, and Tsvelik, A.M. (2006) Crossed Spin-1/2 Heisenberg Chains as a Quantum Impurity Problem. *APS March Meeting*. Baltimore Convention Center. Baltimore, MD.
- Sobczyk, Aleksander**, and Svoboda, K. (2006) Activity-dependent modulation of fractional NMDA receptor Ca²⁺ currents in individual dendritic spines. *Channels, Receptors and Synapses*. Cold Spring Harbor, NY.
- Sobczyk, Aleksander**, Scheuss, V., and Svoboda, K. (2005) NMDA receptor subunit-specific Ca²⁺ signaling in individual dendritic spines. *Gordon Research Conference on Excitatory Amino Acids and Brain Function*. Aussois, France.
- Tartamella, Chris**, Swesty, F.D, and Lattimer, J.M. (2006) The Effects of the Equation of State of Hot, Dense Matter on the Dynamics of Core Collapse Supernova Models. *Winter Meeting of the American Astronomical Society*. Washington, DC.
- Trallero, Carlos**, Cohen, Jayson, and Weinacht, Thomas. (2005) Coherent control in the strong field limit. *Gordon Research Conference on Quantum Control Of Light And Matter*. Waterville, ME.
- Trallero, Carlos**, and Weinacht, Thomas. (2006) Strong field atomic phase matching. *DAMOP*. Knoxville, TN.
- Wang, Jing**, Tianfang, Li, Hongbing, Lu, and Liang, Zhengrong. (2006) Penalized weighted least-squares approach to sinogram noise reduction and image reconstruction for low-dose x-ray computed tomography. *SPIE Medical Imaging Conference*. San Diego, CA.
- Wang, Jing**, Tianfang Li, Hongbing Lu, and Liang, Zhengrong. (2006) Noise reduction of low-dose helical CT by 3D penalized weighted least-squares sinogram smoothing. *SPIE Medical Imaging Conference*. San Diego, CA.
- Yan, Koon-kiu**, Axelsen, Jacob Bock, Yan, Koon-Kiu, and Maslov, Sergei. (2005) Parameters of the proteome evolution from the distribution of sequence identities of paralogous proteins. *APS March meeting*. Baltimore, MD.
- Yoon, Jinmi**, Peterson, Deane, Amstrong, Thomas, Clark III, James H., Gilbreath, Charmaine, Pauls, Thomas, and Schmitt, Henrique. (2006) Early type stars as calibrators for ground-based interferometry. *The International Society for Optical Engineering*. Orlando, FL.
- Zhou, Wei**, Camino, F.E., and Goldman, V.J. (2005) Quantum Transport in an Aharonov-Bohm Electron Interferometer. *24th International Conference on Low Temperature Physics*. Orlando, FL.
- Zhou, Wei**, Camino, F.E., and Goldman, V.J. (2006) Flux period scaling in an Laughlin quasiparticle interferometer. *APS March Meeting 2006*. Baltimore, MD.

❖ Post-Doctorates Obtained and Professional Appointments

- Calaga, Rama**. 2-3 Year TOO-HIG Fellowship, Research Associate. *LARP/BNL/LHC*. Upton, NY/ Geneva, Switzerland.
- Christensen, Neil**. Postdoctoral Researcher. *Michigan State University*. Lansing, MI.
- Franchini, Fabio**. Post-Doctoral Fellowship. *Abdus Salam International Center for Theoretical Physics*, Trieste, Italy.
- Newaz, A.K.M.** Post Doctorate. *Washington University at St. Louis*, St. Louis, MO.

PHYSIOLOGY AND BIOPHYSICS

GRADUATE DIRECTOR: SUZANNE SCARLATA

DEPARTMENT CHAIR: PETER BRINK

❖ Jointly Authored Publications/Research Reports/Reviews

- Provitera, Paxton**, Raafat, El-Maghrabi, and Scarlata, S. (2005) The Effect of HIV-1 G_{ag} Myristoylation on Membrane Binding. *Biophysical Chemistry* 119:23-32.
- Bon Homme, Marjorie**, Carter, C., and Scarlata, S. (2005) The Cysteine Residues of HIV-1 Capsid Regulate Oligomerization and Cyclophilin A Induced Changes. *Biophysical Journal* 88:2078-88.
- Kulisz, A., **Dowal, Louisa**, Scarlata, S., and Shen, S. (2005) Cloning and Characterization of a Phospholipase C-I isoform from the Sea Urchin 'Lytechinus Pictus'. *Devel. Growth Diff.* 47:301-321.
- Golebiewska, U.**, Gambhir, A., Hangyas-Mihalyne, G., Zaitseva, I., Radler, J., and McLaughlin, S. (2006) Membrane-Bound Basic Peptides Sequester Multivalent (PIP₂), but not Monovalent (PS), Acidic Lipids. *Biophysical Journal* 91: 588-599.
- Ballou, Lisa M., **Chattopadhyay, Mohar**, Li, Yan, Scarlata, Suzanne, Lin, and Richard, Z. (2006) G_{aq} binds to p110 α /p85 α phosphoinositide 3-kinase and displaces Ras. *Biochemical Journal* 394(3): 557–562.
- Ford, B.**, Skowronek, K., Boykevisch, S., Bar-Sagi, D., and Nassar, N. (2005) Structure of the G60A mutant of Ras: Implications for the dominant negative effect. *Biochemical Journal* 280 (27): 25697-705.
- Ford, B.**, Hornak, V., Kleinman H., and Nassar, N. (2006) Structure of a transient intermediate for GTP hydrolysis by RAS. *Structure* 14(3):427-36.
- Kleinman, H., **Ford, B.**, Keller, J., Carpino, N., and Nassar, N. (2006) Crystallization and initial crystal characterization of the C-terminal phosphoglycerate mutase homology domain of Ss-1. *Acta Crystallograph Sect F Struct Biol Cryst Commun* 62(3):218-20.
- Gao, J., **Wang, W.**, Cohen, I., and Mathias, R. (2005) Transmural gradients in Na/K pump activity and [Na⁺]I canine ventricle. *Biophysical Journal* 89(3):1700-9.
- Mathias, R., and **Wang, H.** (2005) Local Osmosis and isotonic transport. *J Membr Biol* 208(1):39-53.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Warren, K.**, and Solomon, I. (2005) Developmental and regional patterns of expression of methyl-CpG-binding protein (MECP2) mRNA and protein in rodent brainstem. *Neurosci Abstr Program*: 635.10.
- Chen, X.^b, Warren, K.**, Chon, K., and Solomon, I. (2006) Pontomedullary transection in arterially-perfused adult rat elicits diverse phrenic burst patterns and alters spectral dynamics. *FASEB J Program*: 230.2.
- Kiridly, D., Spiegel, E., **Warren, K.**, and Solomon, I. (2006) Time-frequency spectral analysis of inspiratory motor discharge during spontaneous and hypoxia-facilitated augmented (sigh) bursts in anesthetized adult C57BL/6 mice *in vivo*. *FASEB J Program*: 479.1.

- Warren, K.**, and Solomon, I. (2006) Blockade of NMDA and non-NMDA receptors alters time-frequency spectral activity of phrenic nerve discharge in arterially-perfused adult rat. *FASEB J Program*: 479.4.
- Warren, K.**, and Solomon, I. (2006) Glutamatergic neurotransmission is not essential for, but plays a modulatory role in the production of gasping in arterially-perfused adult rat. *The Xth Oxford Conference on Modeling and Control of Breathing*. Calgary, AB Canada.
- Golebiewska, U.**, Gambhir, A., Hangyas-Mihalyne, G., Zaitseva, I., Radler, J., and McLaughlin, S. (2006) Membrane-Bound Basic Peptides Sequester Multivalent (PIP₂), but not Monovalent (PS), Acidic Lipids. *Biophysical Society Meeting*. Salt Lake City, UT.
- Sengupta, P., **Golebiewska, U.**, Zaitseva, I., Tebar, F., Enrich, C., Villalobo, A., and McLaughlin, S. (2006) Membrane-Permeable Calmodulin Inhibitors (eg: W7) also bind Strongly to Membranes, Changing the Electrostatic Surface Potential. *Biophysical Society Meeting*. Salt Lake City, UT.
- Lu, Zhongju, Jing, Ya-ping, **Chattopadhyay, Mohar**, Ballou, Lisa, Scarlata, Suzanne, Cohen, Ira, and Lin, Richard. (2005) Inhibition of p110 α Phosphatidylinositol 3- Kinase by G α_q Downregulates the L-type Ca⁺² Channel in Cardiac Myocytes. *American Heart Association's Scientific Session*. Dallas, TX.
- Chun, H.H., **Farell, M.A.**, Wilson, C.G., and Solomon, I.C. (2006) Burst-to-Burst Variability In Spectral Activity Underlying Diaphragm Electromyogram (EMG) Bursts In Anesthetized C57BL/6 Mice In Vivo. *Experimental Biology*. San Francisco, CA.
- Mathias, R., Gao, J., Sun, X., White, T., Reddy, V., Gong, X., Varadaraj, K., and **Wang, H.** (2006) Connections Between Cataracts, Calcium, Connexins and Oxidation. *The Association for Research in Vision and Ophthalmology*. Fort Lauderdale, FL.
- Warren, K.**, and Solomon, I. (2006) Blockade of NMDA and non-NMDA receptors alters time-frequency spectral activity of phrenic nerve discharge in arterially-perfused adult rat. *Experimental Biology 2006 Satellite Symposium on Hot Topics in Neural Control of Breathing*. San Francisco, CA.
- Warren, K.**, and Solomon, I. (2006) Blockade of NMDA and non-NMDA receptors alters time-frequency spectral activity of phrenic nerve discharge in arterially-perfused adult rat. *Graduate Student Highlights in Respiration Physiology. Experimental Biology 2006 Annual Meeting*. San Francisco, CA.

PSYCHOLOGY

GRADUATE DIRECTOR: ARTY SAMUEL

DEPARTMENT CHAIR: NANCY SQUIRES

❖ Grants, Fellowships, and Awards

- Acevedo, Bianca.** (2006) Ford Diversity Predoctoral Fellowship, Honorable Mention. *Ford Foundation*, Washington, DC.
- Acevedo, Bianca.** (2005) W. Burghardt Turner Summer Research Award, \$3,000. *W. Burghardt Turner Fellowship*, Stony Brook, NY.
- Blakeley-Smith, Audrey.** (2005) Departmental Award for Excellence in Research (Advanced), \$100. *Department of Psychology, Stony Brook University*, Stony Brook, NY.
- Blumen, H.** (2006) Professional Development Funds, \$600. *Graduate Student Employers Union*, Stony Brook, NY.
- Brewer, A.** (2005) Departmental Award for Excellence in Research, \$100. *Department of Psychology, Stony Brook University*, Stony Brook, NY.
- Burckell, L.A.** (2005) Ruth L. Kirschstein National Research Service Award Predoctoral Grant, \$56,238. Aggregating Clinical Methods to Repair Alliance Ruptures. *National Institute of Mental Health*, Bethesda, MD.
- Bufferd, Sarah.** (2005) Graduate Council Fellowship. *Department of Psychology, Stony Brook University*, Stony Brook, NY.
- Chiaramonte, Gabrielle R.** (2005-2006) Ruth L. Kirschstein National Research Service Award (NRSA), \$28,000. Physicians' Gender Bias in the Diagnosis, Treatment, and Interpretation of Coronary Heart Disease Symptoms, *The National Institute of Mental Health (NIMH)*, Bethesda, MD.
- Chiaramonte, Gabrielle R.** (2005) Clara Mayo Award for Research on Sexism, Racism, or Prejudice, \$1,000. Do Medical Schools Reinforce Gender Biases in the Diagnosis and Treatment of Coronary Heart Disease? *The Society for the Psychological Study of Social Issues (APA)*, Washington, DC.
- Congdon, E.** (2005) Alumni Graduate Summer Research Fellowship, \$500. *Department of Psychology, Stony Brook University*, Stony Brook, NY.
- Eubanks-Carter, C.** (2005) Predoctoral National Research Service Award, \$28,122. Clinical Consensus Strategies for Interpersonal Problems. *National Institutes of Mental Health*, Bethesda, MD.
- Giscombe-Woods, Cheryl.** (2005) Departmental Award for Excellence in Research (Advanced), \$100. *Department of Psychology, Stony Brook University*, Stony Brook, NY.
- Knapp, S.K.** (2006) Professional Development Award, \$314. *Stony Brook University CWA-GSEU*, Stony Brook, NY.
- Kraljic, T.** (2006) How Experience Affects Adult Language Performance. Post-doctoral National Research Service Award (NRSA). *University of California, San Diego*, San Diego, CA.
- Langsam, Karen.** (2005) Departmental Award for Excellence in Teaching, \$100. *Department of Psychology, Stony Brook University*, Stony Brook, NY.
- Neider, Mark B.** (2006-2009) Beckman Institute Post-Doctoral Fellowship, \$153,000. *Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign*, Urbana, IL.
- Oh, Hwamee.** (2005) Departmental Travel Award, \$300. *Department of Psychology, Stony Brook University*, Stony Brook, NY.

- Oh, Hwamee.** (2005) Graduate Organization Travel Award, \$275. Department of Psychology, *Stony Brook University*, Stony Brook, NY.
- Oh, Hwamee.** (2005) Departmental Alumni Summer Research Fellowship, \$4000. *Stony Brook University*, Stony Brook, NY.
- Pachankis, John E.** (2005) Mental Health and Sexual Risk-taking Correlates of Rejection Sensitivity in Gay Men, \$2000. *Society for the Psychological Study of Social Issues*.
- Pereira-Pasarin, L.** (2006) Professional Development Program, \$350. *Community Workers of America 1104/Graduate Student Employees Union and Stony Brook University*, Stony Brook, NY.
- Riela, Suzanne.** (2005) W. Burghardt Turner Fellowship, \$10,000. *Stony Brook University*, Stony Brook, NY.
- Sohl, S.J.** (2006) A Meta-analysis of Tailored Interventions to Promote Mammography Screening. *Annual Scientific Sessions of the Society for Behavioral Medicine*, San Francisco, CA.
- Woodin, E.M.** (2005) Dissertation Research Award, \$2000. *The Melissa Institute for Violence Prevention and Treatment*, Miami, FL.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Echevarria, D.J., **Brewer, A.**, Manuzon, H., Brown, S., and Robinson, J.K. (2005) Construct Validity for an Operant Signal Detection Task for Rats. *Behavioral Brain Research* 157: 283-290.
- Brewer, A.**, Langel, Ü., and Robinson, J.K. (2005) Intracerebroventricular Administration of Galanin Decreases Free Water Intake and Operant Water Reinforcer Efficacy in Water-Restricted Rats. *Neuropeptides* 39(2): 117-124.
- Brewer, A.**, Echevarria, D.J., Langel, Ü., and Robinson, J.K. (2005) Assessment of New Functional Roles for Galanin in the CNS. *Neuropeptides* 39: 232-326.
- Lundström, L., Sollenberg, U., **Brewer, A.**, Kouya, P.F., Zheng, K., Xu, X.-J., Xia, S., Robinson, J.K., Wiesenfeld-Hallin, Z., Xu, Z.-Q., Hökfelt, T., Bartfai, T., and Langel, Ü. (2005) Galanin Receptor Subtype1 Specific Agonist. *International Journal of Peptide Research and Therapeutics* 11(1): 17-27.
- Echevarria, D.J., **Brewer, A.**, Bushell, G., Manuzon, H., Langel, Ü., and Robinson, J.K. (2005) Galanin and Perseveration. *Brain Research* 104: 143-148.
- Durbin, C.E., Klein, D.N., Hayden, E.P., **Buckley, M.E.**, and Moerk, K.C. (2005) Temperamental Emotionality in Preschoolers and Parental Mood Disorders. *Journal of Abnormal Psychology* 114: 28-37.
- Chiaromonte, Gabrielle R.**, and Friend, R. (2006) Medical Students' and Residents' Gender Bias in the Diagnosis, Treatment, and Interpretation of Coronary Heart Disease Symptoms. *Health Psychology* 25 (3): 55-266.
- Congdon, E.**, and Canli, T. (2005) The Endophenotype of Impulsivity: Reaching Consilience Through Behavioral, Genetic, and Neuroimaging Approaches. *Behavioral and Cognitive Neuroscience Reviews* 4:262-281.
- Canli, T., **Congdon, E.**, Gutknecht, L., Constable, R.T., and Lesch, K.P. (2005) Amygdala Responsiveness is Modulated by Tryptophan Hydroxylase-2 Gene Variation. *Journal of Neural Transmission* 112: 1479-1485.
- Del Vecchio, T.**, and O'Leary, S.G. (2006) Antecedents of Toddler Aggression: Dysfunctional Parenting in Mother-toddler Dyads. *Journal of Clinical Child and Adolescent Psychology* 35:194-202.

- Klein, D.N., **Dougherty, L.R.**, and **Olino, T.M.** (2005) Toward Guidelines for Evidence- based Assessment of Depression in Children and Adolescents. *Journal of Clinical Child and Adolescent Psychology* 34:412-432.
- Eubanks-Carter, C., Burckell, L.A.**, and Goldfried, M.R. (2005) Future Directions in Psychotherapy Integration: Research, Practice, Training, and Theory. *Handbook of Psychotherapy Integration*. J.C. Norcross, and M.R. Goldfried, Eds. New York, NY: Oxford University Press.
- Eubanks-Carter, C.**, and Goldfried, M.R. (2006) The Impact of Client Sexual Orientation and Gender on Clinical Judgments and Diagnosis of Borderline Personality Disorder. *Journal of Clinical Psychology* 62(6):751 – 770.
- Geisser, M., Cano, A., and **Foran, H.** (2006) Psychometric Properties of the Mood and Anxiety Symptom Questionnaire in Chronic Pain Patients. *Clinical Journal of Pain* 22(1): 1-9.
- Haas, B.W.**, Omura, K., Constable, R. T., and Canli, T. (2006) Interference Produced by Emotional Conflict Associated with Anterior Cingulate Activation. *Cognitive, Affective Behavioral Neuroscience* 6(2):152-156.
- Haas, B.W.**, Omura, K., Constable, R.T., and Canli, T. (2006) Functional Connectivity with the Anterior Cingulate is Associated with Extraversion During the Emotional Stroop Task. *Social Neuroscience* 1(1):16-24.
- Canli, T., Omura, K., **Haas, B.W.**, Fallgatter A., Constable, R.T., and Lesch K.P. (2005) Beyond Affect: A Role for Genetic Variation of the Serotonin Transporter in Neural Activation During a Cognitive Attention Task. *Proceedings of the National Academy of Sciences USA* 102(34):12224-12229.
- Klapp, S.T., and **Haas, B.W.** (2005) Nonconscious Influence of Masked Stimuli on Response Selection Is Limited to Concrete Stimulus-Response Associations. *Journal of Experimental Psychology: Human Perception and Performance* 31(1):193-209.
- Jones, B.A.**, and Rahlin, H. (2006) Social Discounting. *Psychological Science* 17:283-286.
- Moyer, A., **Knapp, S.K.**, and **Sohl, S. J.** (2006) What to Expect When You Or a Loved One Has Cancer. Review of Everyone's Guide to Cancer Supportive Care. Contemporary Psychology. *APA Review of Books* 51(11):Article 13.
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- Levy, S.R., West, T., **Ramirez, L.,** and Karafantis, D.M. (2006) The Protestant Work Ethic: A Lay Theory With Dual Intergroup Implications. *Group Processes and Intergroup Relations* 9:95-115.
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❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Acevedo, Bianca**, Aron, A., and Gross, J. (2006) Up-regulation and Down-regulation of Emotions and Passionate Love. *7th Annual Meeting of the Society for Personality and Social Psychology*. Palm Springs, CA.
- Acevedo, Bianca** (2005) Intense Romantic Love in Long-term Relationships. *Positive Psychology Summer Institute*. Philadelphia, PA.
- Blackshear, A.L., Brewer, A.**, Yamamoto, M., Robinson, J.K., Holmes, P.V., and Kritzer, M.F. (2005) Patterns of C-fos Activation Induced by Intracerebroventricularly Administered Galanin. *34th Annual Society for Neuroscience*. Washington, DC.
- Bleiweiss, J.D., Ladd, Mara V., Robinson, M.L.**, and Carr, E.G. (2006) Assessing the Impact of Medication Side Effects on Problem Behavior. *International Conference of the Association for Positive Behavior Support*. Reno, NV.
- Bolce, A.M.**, and Gerrig, R.J. (2005) Character Attributes and the Representation of Fictional Information. *Psychonomic Society*. Toronto, Ontario, Canada.
- Blumen, H.**, Rajaram, S., and Srinivas, K. (2005) Testing the Longevity of Rapidly Formed New Conceptual Associations. *46th Annual Meeting of the Psychonomic Society*. Toronto, Ontario, Canada.
- Blumen, H.**, Rajaram, S., and Srinivas, K. (2006) Testing the Longevity of Rapidly Formed New Conceptual Associations. *77th Annual Meeting of the Eastern Psychological Association*. Baltimore, MD.
- Brewer, A.**, Turvin, J.C., Kritzer, M.F., Holmes, P.V., and Robinson, J.K. (2005) Galanin Modulation of Dopaminergic Efflux in the Rat Nucleus Accumbens. *34th Annual Society for Neuroscience*. Washington, DC.
- Robinson, J.K., **Brewer, A.**, Holmes, P.V., and Kritzer, M.F. (2005) *34th Annual Society for Neuroscience*. Washington, DC.
- Burckell, L.A.**, and Goldfried, M.R. (2005) Therapist Qualities Preferred by Lesbian, Gay Male, and Bisexual Individuals. *Annual Meeting of the Association for the Advancement of Behavior Therapy*. Washington, DC.
- Burckell, L.A., Eubanks-Carter, C.**, Goldfried, M.R., Gordon, L. Muran, J. C., Rothman, M., and Watson, J. (2005) Three Perspectives of Integrative Supervision. *Annual Meeting of the Society for the Exploration of Psychotherapy Integration*. Toronto, Ontario, Canada.
- Cannella, D.T.**, Lobel, M., Graham, J.E., DeVincent, C., Schneider, J., and Meyer, B.A. (2006) Pregnancy-specific stress: Associations with Health Behaviors. *Association for Psychological Science*. New York, NY.
- Chiaramonte, Gabrielle R.**, and Friend, R. (2006) Physician Assistants' Gender Bias in the Diagnosis, Treatment and Interpretation of Coronary Heart Disease Symptoms. *Society of Behavioral Medicine's 27th Annual Meeting and Scientific Sessions*. San Francisco, CA.
- Congdon, E.**, Constable, T., and Canli, T. (2005) An fMRI Investigation of Neural Networks Differentially Associated With Behavioral Versus Cognitive Inhibition. *35th Annual Meeting for the Society for Neuroscience*. Washington, DC.
- Congdon, E.**, Constable, R.T., and Canli, T. (2005) Investigating Impulsivity: A Comparative Analysis of Four Response Inhibition Tasks Using Functional Magnetic Resonance Imaging. *2005 Annual Cognitive Neuroscience Meeting*. New York, NY.
- Billings, M., **Floyd, A.H.L.**, and Westmaas, J.L. (2006) Urges to Smoke During Social Stress: Interactive Effects of Depression Status and Gender. *Society of Behavioral Medicine Annual Conference*. San Francisco, CA.

- Haas, B.W.**, Constable, R.T., and Canli T. (2006) Affiliative and Agentic Extraversion Dissociated with fMRI. *Cognitive Neuroscience Annual Meeting*. San Francisco, CA.
- Haas, B.W.** (2006) The Neural Basis of Personality: A Perspective Using Functional Magnetic Imaging. *Psychology Seminar Series*. California State University. East Bay, CA.
- Haas, B.W., Amin, Z.**, Constable R.T., and Canli, T. (2005) Extraversion Predicts Increased Functional Connectivity with the Anterior Cingulate During the Processing of Positively Valenced Verbal Stimuli. *Society for Neuroscience*. Washington, DC.
- Canli, T., Omura, K., **Haas, B.W.**, Constable, R.T., and Lesch, K.P. (2005) Beyond Affect: A Role for Genetic Variation of the Serotonin Transporter in Neural Activation during a Cognitive Attention Task. *Society for Neuroscience*. Washington, DC.
- Franklin, N., **Hau, C.L.V., Beck, J. L.**, and Sylvester, P.C. (2005) Familiarity Matching in Source Monitoring. *Psychonomic Society 46th Annual Meeting*. Toronto, Ontario, Canada.
- Jagiellowicz, J.A.**, Aron E.N., and Aron, A.P. (2006) Motivations for Exercise Moderated by Individual Differences in Sensory Processing Sensitivity and Introversion. *Society for Personality and Social Psychology*. Palm Springs, CA.
- Knapp, S.K.**, and Moyer, A. (2006) Predicting Judgments of Control Over Illness and the Stigma Attached to Cancer. *Annual scientific sessions of the Society for Behavioral Medicine*. San Francisco, CA.
- Knapp, S.K.**, and Moyer, A. (2006) Factors Influencing Judgments of Control and Stigmatization of Individuals with Cancer. *Association for Psychological Science Annual Meeting*. New York, NY.
- Kraljic, T.**, Samuel, A.G., and Brennan, S.E. (2005) How Does One Speaker's Pronunciation Affect Another's? Effects of Idiosyncratic Pronunciation on Linguistic Representation. *Conference for Embodied Communication in Humans and Machines: A Research Agenda*. Bielefeld, Germany.
- Kraljic, T.** (2005) How'd They Do That? Partner-driven Effects on Linguistic Processing and Representation. *Laboratoire de Sciences Cognitives et Psycholinguistique*, EHESS-ENS-CNRS, Paris, France; *the Laboratoire de Psychologie Cognitive*, Universite de Aix-Marseille, Aix-en-Provence, France; and *the Laboratoire de Psychologie expérimentale*, Universite Libre de Bruxelles. Brussels, Belgium.
- Kuhlen, A.** (2006) Effects of Speakers' Attributions to Listeners' Feedback Behavior. *1st International Spring Break Meeting of the Friends of Group Research*. Brooklyn, NY.
- Laptook, R.S., Dougherty, L.R., Olino, T.M.**, Klein, D.N., Durbin, C.E., Hayden, E., and **Buckley, M.E.** (2005) Differentiation Between Positive Affect and Behavior Inhibition in Preschool-age Children. *Society for Research in Child Development*. Atlanta, GA.
- Litcher-Kelly, L.**, and Stone, A.A. (2006) Depression and Anxiety Predict Quality of Life in Patients with Inflammatory Bowel Disease (IBD). *2006 meeting of the American Psychosomatic Society*. Denver, CO.
- Londahl-Shaller, Esme A., Tverskoy, Anna**, and D'Zurilla, T.J. (2006) Adolescent Romantic Relationships and Psychosocial Adjustment: The Roles of Problem Solving and Social Support. *Society for Research on Adolescence*. San Francisco, CA.
- Puig, J., **Londahl-Shaller, Esme A., Tverskoy, Anna**, and D'Zurilla, T.J. (2006) Relationship Learning in Adolescence and Young Adulthood. *Society for Research on Adolescence*. San Francisco, CA.
- Schwartz, M., Perlstein, R., **Londahl-Shaller, Esme A.**, Reesman, M., and Nicoletto, L. (2006) Child Psychiatry Inpatient Unit: Collaborative Case Presentation, Grand Rounds. *Department of Child and Adolescent Psychiatry, Schneider Children's Hospital*. New Hyde Park, NY.
- Mitchell, N.A.**, Tata, D.A. Marciano, V.A., and Anderson, B.J. (2005) Corticosterone Increases the Proportion of Perforated Synapses in CA3 But Does Not Change Synapse Length. *Society for Neuroscience*. Washington, DC.

- Neider, Mark B.** (2006) Collaborative Visual Search: Sharing Eye Gaze is Better Than Speaking. *Department of Psychology, Hofstra University*. Hempstead, NY.
- Neider, Mark B., Chen, Xin,** Dickinson, C., Brennan, S., and Zelinsky, G. (2005) Collaborative Search Using Shared Eye Gaze. *46th Annual Meeting of the Psychonomics Society*. Toronto, Ontario, Canada.
- Brennan, S., Dickinson, C., **Chen, Xin, Neider, Mark B.,** and Zelinsky, G. (2005) When Eye Gaze Speaks Louder Than Words: The Advantages of Shared Gaze for Coordinating a Collaborative Search Task. *46th Annual Meeting of the Psychonomics Society*. Toronto, Ontario, Canada.
- Zelinsky, G., Dickinson, C., **Chen, Xin, Neider, Mark B.,** and Brennan, S. (2005) Collaborative Search Using Shared Eye Gaze. *Abstracts of the 5th Annual Meeting of the Vision Sciences Society*. Sarasota, FL.
- Neider, Mark B.,** and Zelinsky, G. (2005) Effects of Scene Based Contextual Guidance in Search. *Abstracts of the 13th Annual Meeting on Object Perception, Attention, and Memory*. Toronto, Ontario, Canada.
- Yi, Y., Oh, Hwamee,** and Leung, H.-C. (2005) Activity in the Spatial Working Memory Circuit as a parametric variation of updating load. *Annual meeting of the Society for Neuroscience*. Washington, DC.
- Oh, Hwamee,** and Leung, H.-C. (2005) Brain Imaging Studies of Memory on Aging: A Meta-Analysis. *Annual meeting of the Organization of Human Brain Mapping*. Toronto, Ontario, Canada.
- Leung, H.-C., Ferry, J., **Oh, Hwamee,** and Constable (2005) Responses of the Spatial Working Memory Network to the Updating Demand. *Annual meeting of the Organization of Human Brain Mapping*. Toronto, Ontario, Canada.
- Owen, D.J.,** Slep, A.M.S., and Heyman, R.E. (2005) The Utility of Promised Consequences in Increasing Toddler Compliance to Parental Directives. *Association of Behavioral and Cognitive Therapies*. Washington, DC.
- Pachankis, John E.,** and Goldfried, M.R. (2005) Social Anxiety in Gay Men. *Association for Behavioral and Cognitive Therapies*. Washington, DC.
- Pereira-Pasarin, L.,** and Rajaram, S. (2006) The Effects of Collaboration on Individual Memory Across Delay. *77th Annual Meeting of the Eastern Psychological Association*. Baltimore, MD.
- Levy, S.R., Karafantis, D., **Ramirez, L.,** and West, T. (2005) Dual Intergroup Implications of the Protestant Work Ethic. *6th Annual Meeting of the Society for Personality and Social Psychology*. New Orleans, LA.
- Levy, S.R., West, T., **Ramirez, L.,** and Karafantis, D. (2005) Dual Intergroup Implications of the Colorblind Theory. *6th Annual Meeting of the Society for Personality and Social Psychology*. New Orleans, LA.
- Levy, S.R., West, T., **Ramirez, L.,** and Karafantis, D. (2005) Does the Colorblind Theory Help or Hinder Social Tolerance Among Children? *Biennial Meeting of the Society for Research in Child Development*. Atlanta, GA.
- Ramsay, M.,** and Davila, J. (2006) Self-and Partner-clarity Predicts Couples' Support Processes. *18th Annual Conference for the Association for Psychological Science*. New York, NY.
- Riela, Suzanne,** Aron, A., and **Acevedo, Bianca.** (2006) Predictors of Falling in Love: Category, Speed, and Ethnic Differences. *Bi-annual meeting of the International Association for Relationship Research*. Rethymnon, Crete, Greece.
- Riela, Suzanne,** and Hoffman, P.D. (2006) The Effect of Skills Training and Social Support in Enhancing Well-being of Caregivers Who Are Relatives of Persons With Borderline Personality Disorder. *Society of Personality and Social Psychology*. Palm Springs, CA.

- Rodden, J.**, Aron, E.N., and Aron, A.P., (2006) Development of a Measure of the Power Complex. *Annual Meeting of the Association for Psychological Science*. New York, NY.
- Davila, J., **Steinberg, Sara J.**, **Ramsay, M.**, **Stroud, C.B.**, **Starr, L.**, and **Yoneda, Athena.** (2006) Defining and Measuring Romantic Competence in Early Adolescence: The Romantic Competence Interview. *Biennial Meeting of the Society for Research on Adolescence*. San Francisco, CA.
- Sohl, S.J.** (2006) A Meta-analysis of Tailored Interventions to Promote Mammography Screening. *Annual Scientific Sessions of the Society for Behavioral Medicine*. San Francisco, CA.
- Sohl, S.J.**, and Friedberg, F. (2006) Recall of Fatigue and Pain in Chronic Fatigue Syndrome. *Association for Psychological Science Annual Convention*. New York, NY.
- Stroud, C.B.**, and Davila, J. (2005) The Relationship Between Stress and Depression in First Onsets Versus Recurrences: A Meta-Analytic Review. *Annual Meeting of the Association for Behavioral and Cognitive Therapies*. Washington, DC.
- Tverskoy, Anna**, **Londahl-Shaller, Esme A.**, and D’Zurilla, T.J. (2006) Patterns of Observed Interpersonal Problem Solving Among Female Adolescent Best Friends. *Biennial Meeting of the Society for Research on Adolescence*. San Francisco, CA.
- Tverskoy, Anna**, **Londahl-Shaller, Esme A.**, D’Zurilla, T.J., and Apetroia, A.I. (2006) Concordance on Adjustment, Attachment and Social Problem Solving in Teen Girl Best Friends, and Its Relation to Friendship Quality. *Biennial Meeting of the Society for Research on Adolescence*. San Francisco, CA.
- Woodin, E.M.**, and O’Leary, K.D. (2005) Motivational Interviewing to prevent partner aggression: Impact on attitudes and beliefs about aggression. *Annual Meeting of the International Family Violence Research Conference*. Portsmouth, NH.
- Yi, Y.** Leung, H.-C. (2005) Activity in the Spatial Working Memory Circuit as a Parametric Variation of Updating Load. *Society for Neuroscience*. Washington, DC.
- Yoneda, Athena**, and Davila, J. (2006) Same-sex Emotional and Same-sex Sexual Attractions: Differing Implications for the Psychological Health of Adolescent Females. *54th Annual Nebraska Symposium on Motivation: Contemporary Perspectives on Lesbian, Gay and Bisexual Identities*. Lincoln, NE.

❖ Internship Appointments

- Acevedo, Bianca.** (2005) Visiting Scholar. *Free University of Amsterdam*, Amsterdam, NL.
- Burckell, L.A.** (2006-2007) Pre-doctoral Internship in Clinical Psychology. *Centre for Addiction and Mental Health (CAMH)*, Toronto, ON, Canada.
- Chiaromonte, Gabrielle R.** (2006-2007) Clinical Psychology Internship. *Weill Cornell Medical Center - New York Presbyterian Hospital*, New York, NY.
- Eubanks-Carter, C.** (2006-2007) Clinical Psychology Internship. *Beth Israel Medical Center*, New York, NY.
- Ladd, Mara V..** (2006-2007) Clinical Psychology Internship. *The May Institute*, Randolph, MA.
- Steinberg, Sara J.** (2005-2006) Clinical Psychology Internship, Adult Track. *Zucker Hillside Hospital- Long Island Jewish Medical Center*, Glen Oaks, NY.
- Tverskoy, Anna.** (2006-2007) Clinical Psychology Internship. *Zucker Hillside Hospital- Long Island Jewish Medical Center*, Glen Oaks, NY.

❖ **Post-Doctorates Obtained and Professional Appointments**

Kraljic, T. (2005) Visiting Fellow. Embodied Communication Research Group, Center for Interdisciplinary Research (ZiF), *University of Bielefeld*, Bielefeld, Germany.

Kraljic, T. (2006-present) Post-doctoral Research Fellow. Center for Research in Language, Cognitive Science Department, *University of California at San Diego*, San Diego, CA.

Londahl-Shaller, Esme A. (2006-2007) Postdoctoral Residency in Child and Family Psychology. Child and Adolescent Psychiatry Department, *Kaiser Permanente Medical Center*, San Francisco, CA.

SOCIAL WELFARE

GRADUATE DIRECTOR: JOEL BLAU, PhD
LINDA FRANCIS, MSW

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

Reynolds, Jeffrey. (2006) Using Program Data for Sustainability. *SAMHSA, Center for Substance Abuse Treatment, HIV Outreach Grantee Meeting*. May 2, 2006. SAMHSA, Rockville, MD.

SOCIOLOGY

GRADUATE DIRECTOR: IVAN CHASE

DEPARTMENT CHAIR: DIANE BARTHEL-BOUCHIER

❖ Grants, Fellowships, and Awards

- Joseph, Lauren.** (2005) Tinker Field Research Grant, \$1,250. Latin American and Caribbean Studies Center, *Stony Brook University*, Stony Brook, NY.
- Kutz-Flamenbaum, Rachel V.** (2006) The Rose Laub Coser Award for the best theory and/or research paper in gender studies, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Mahler, Matthew.** (2006) The David Street Award for the best qualitative and/or theory paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Mahler, Matthew.** (2006) The Mildred and Herbert Weisinger Dissertation Fellowship, \$4,000. *Stony Brook University*, Stony Brook, NY.
- Maruoka-Ng, Etsuko.** (2005) Lee Student Support, \$300. *Society for the Study of Social Problems*, Washington, DC.
- Maruoka-Ng, Etsuko.** (2005) Student Travel Grant, \$300. *American Sociological Association*, Washington, DC.
- Maruoka-Ng, Etsuko.** (2006) The Madeline Fusco Fellowship Award, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Shin, Hwa-Ji.** (2005) The David Street Award for the best qualitative and/or theory paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Shin, Hwa-Ji.** (2005) Outstanding Graduate Student Paper Award, \$300. *American Sociological Association*, Philadelphia, PA.
- Shin, Hwa-Ji.** (2005) Japan Studies Dissertation Studies Workshop Fellowship, \$1,000. *Social Sciences Research Council*, Asilomar, CA.
- Smith, Richard.** (2005) The Rose Laub Coser Award for the best theory and/or research paper in gender studies, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Smith, Richard.** (2006) President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.
- Traver, Amy.** (2006) The David Street Award for the best qualitative and/or theory paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Traver, Amy.** (2006) President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Beltrán, Gaston.** (2006) Acción empresaria e ideología. La génesis de las reformas estructurales (Business Action and Ideology. The Origin of the Structural Reforms). *La Argentina de los años ochenta. (The Argentina of the 1980s.)* A. Pucciarelli, Ed. Buenos Aires: Siglo XXI.

- Beltrán, Gaston.** (2006) Küresel Süreç, Yerel Anlamlar: Arjantin'de Yapısal Reformların Yerel Destekçileri (Global Process, Local Meanings: The Argentine Local Supporters to the Structural Reforms). *Praksis 14*.
- Beltrán, Gaston.** (2005) Formación Profesional y Producción Intelectual en Tiempos de Cambio Político. Las Carreras de Sociología y Economía de la Universidad de Buenos Aires Durante los Años 1990s (Professional Formation and Intellectual Production in Times of Political Change. Sociology and Economics in the University of Buenos Aires during the 1990s). *Espacio Público y Privatización del Conocimiento (Public Space and Knowledge Privatization)*. P. Gentili, and B. Levy, Eds. Buenos Aires, Argentina: CLACSO.
- Buchholz, Larissa.** (in press) Bringing the "Body" Back into Theory and Methodology. *Theory and Society*.
- Joseph, Lauren.** (2006) Review of Fatherhood Politics in the US by Anna Gavanas. *Men and Masculinities 8*:528-530.
- Joseph, Lauren J.** (2005) Review of Pledged: The Secret Life of Sororities by Alexandra Robbins. *Gender and Society 19*:567-568.
- Joseph, Lauren J.** (2005) Young, Isolated and Black. *Contexts 4*:59-60.
- Lapegna, Pablo.** (in press) Book Review of The Politics of the Past in an Argentine Working-Class Neighbourhood by Lindsay DuBois. *American Anthropologist 108*(3):582-583.
- Lindquist, Carol S.** (2006) Book Review of Everyone Eats: Understanding Food and Culture by E.N. Anderson. *Contexts 5*(1).
- Mahler, Matthew.** (2006) Politics as a Vocation: Notes toward a Sensualist Understanding of Political Engagement. *Qualitative Sociology 29*(3):281-300.
- Maruoka-Ng, Etsuko.** (in press) Book Review of Asian Americans: Contemporary Trends and Issues, 2nd Edition by P.G. Min. *Teaching Sociology*. Washington, DC: APA.
- Smith, Tyson.** (2006) Wrestling with Kayfabe. *Contexts 5*(2):54-55.
- Smith, Tyson.** (2005) Pumping Irony: The Construction of Masculinity in a Post-feminist Advertising Campaign. *Advertising and Society Review 6*(3).
- Wiest, Dawn.** (2005) Book Review of Globalization and Cross-Border Labor Solidarity in the Americas: The Anti-Sweatshop Movement and the Struggle for Social Justice by Ralph Armbruster-Sandoval. *Mobilization 10* (2):322-324.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Baldermann, Diana,** and Auyero, J. (in press) Peronism. *International Encyclopedia of the Social Sciences*, 2nd Edition. W.A. Darity, Ed. New York: Macmillan.
- Buchholz, Larissa,** and Wuggening, U. (2006) Cultural Globalization between Myth and Reality: The Case of the Contemporary Visual Arts. *Glocalogue*.
http://artefact.mi2.hr/_a04/lang_en/index_en.htm.
- Esparza, Louis, Lim, Alwyn,** and **Roelfs, David J.** (2006) How We Became Intimate with Economic Sociology. *Accounts 5* (2):9-10.
- Imai, Jun,** and Shire, K. (2006) Employment Deregulation and the Expanding Market for Temporary Labor in Japan. *The Changing Structure of Labor in Japan – Japanese Human Resource Management between Continuity and Innovation*. R. Haak, Ed. London, UK: Palgrave Macmillan.
- Domínguez, D., **Lapegna, Pablo,** and Sabatino, P. (2006) Un Futuro Presente: Las Luchas Territoriales (A Present Future: The Territorial Conflicts). *Nómadas 24*:239.

- Kimmel, M., and **Mahler, Matthew** (in press) *Social and Political Theory: Classical Readings*. New York: Oxford University Press.
- Korsching, Peter F., and **Roelfs, David J.** (2005) Change Agent Innovativeness: Community Economic Development Directors' Attitudes Toward Telecommunications. *Journal of Applied Sociology* 22 (1):67-90.
- Kimmel, M., and **Traver, Amy.** (2005) Mentoring Masculinities: Race and Class in the (Re-) Construction of Gender in the U.S., and the U.K. *The Irish Journal of Sociology* 14(2):213-230.
- Wiest, Dawn**, and Smith, J. (2006) Regional Institutional Contexts and Patterns of Transnational Social Movement Organization. *Korea Observer* 37(1):32-45.
- Smith, J., and **Wiest, Dawn.** (2005) The Uneven Geography of Global Civil Society: National and Global Influences on Transnational Association. *Social Forces* 84(2):621-651.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Baldermann, Diana.** (2006) Narratives of a Class Identity: The Argentine Middle Classes After the Crisis. *Latin American Studies Association XXVI International Congress*. San Juan, Puerto Rico.
- Baldermann, Diana.** (2006) Discourses of Action: The (Re)Definition of the Middle Class's Identity After the Argentine Crisis of 2001. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Barron, Martin L.** (2006) A Social Movements Perspective on Speculative Bubbles. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Beltrán, Gaston.** (2006) The Discreet Charm of Neoliberalism. The Argentine Businesses' Support to the 1990s Structural Reforms. *Latin American Studies Association XXVI International Congress*. San Juan, Puerto Rico.
- Beltrán, Gaston.** (2006) Liberal Expertise in Argentina and Brazil: The Introduction of Global Neoliberalism in Latin America. *Third Annual Latin America Graduate Student Conference on Latin America and the Caribbean*. Ithaca, NY.
- Beltrán, Gaston.** (2006) Path Dependency or Isomorphism? The Limits of the Neoliberal Convergence in Latin America. *5th Annual Multi-disciplinary Graduate Student Conference: Miradas desde el Sur (Views from the South)*. Stony Brook, NY.
- Boussios, Emanuel G.** (2006) The Determinants of Support for, and Opposition to, War in the United States, 1950-2005. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Bruzzese, Anna.** (2006) As Catholic as the Pope: How the Separated and Divorced Catholics Have Contested their Marginalization. *Annual Meeting of the Pacific Sociological Association*. Universal City, CA.
- Bruzzese, Anna.** (2005) Role Conflict and the Strategies of Its Resolution Among Separated and Divorced Catholics: Internet Survey Findings. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Bruzzese, Anna.** (2005) Strategies of Coping with Role Conflict among Separated and Divorced Catholics: Internet Survey Findings. *Annual Meeting of the Association for the Sociology of Religion*. Philadelphia, PA.
- Buchholz, Larissa.** (2006) The Global Rules of Art. *World Art – Art World: Changing Perspectives on Modern and Contemporary Art*. New York, NY.

- Buchholz, Larissa.** (2006) Widerspenstige Netzwerke und der Prozess der kreativen Konstruktion (Unruly Networks and the Process of Creative Construction). *Institute for Philosophy and Theory of Science*. Linz, Austria.
- Buchholz, Larissa.** (2006) Cultural Globalization and Symbolic Capital. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Bugyi, Paul.** (2005) Civilization and Aesthetic Space. *6th Annual Sociology Conference*. Buffalo, NY.
- Barthel-Bouchier, D., and **Bugyi, Paul.** (2005) Public Policy, National Culture, and “Auto-Critique”: The French Campaign for Improved Road Safety. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Caplett, Aura R.** (2006) The Gym and the Weight Room: Masculine Construction Sites. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Caputo-Levine, Deirdre, Lim, Alwyn,** and Wills, C. (2006) Connected Lives and Embeddedness: A Review and Critique. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Diamond, Diane A.** (2006) Does Equality Mean We All Have to be the Same?: The Debate over Gender Equality and Gender Equity at Virginia Military Institute and the United States Military Academy at West Point. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Ersoy, Can.** (2006) World City Formation and the Nation State in the Case of Istanbul. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Esparza, Louis,** and **Lapegna, Pablo.** (2006) The Limits of the Connected Lives Perspective. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Lapegna, Pablo.** (2006) Crossing Borders: Urban Relegation and Power Relationships in a South American Slum. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Imai, Jun.** (2005) The Introduction of the Results-based Evaluation and Wage System: Changes of Japanese Personnel Management System in the 1990s. *Society for Comparative Study, Graduate Student Retreat*. Budapest, Hungary.
- Imai, Jun.** (2005) Relational Perspective on the Labor Market Reforms in Japan. *Annual Conference at the Society for the Advancement of Socio-Economics*. Budapest, Hungary.
- Kim, Soyon.** (2006) Economic Development and the Political Rights of Women in South Korea. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Kim, Soyon.** (2005) Global Capitalism and Business Groups in Developmental State: Financial Behavior of Chabol in South Korea. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Kutz-Flamenbaum, Rachel V.** (2006) Economic and Racial Barriers to Reproductive Health Care in the U.S. *Panel on Reproductive Health Care in the U.S., and Globally*. Westbury, NY.
- Kutz-Flamenbaum, Rachel V.** (2006) Integrating Feminism into the Anti-war Movement. *Joan B. Kroc Student Peace Conference*. Notre Dame, IN.
- Kutz-Flamenbaum, Rachel V.** (2006) Pink Ladies and Angry Grannies: Feminist Performance Activism in the Contemporary Anti-War Movement. *Department of Sociology, University of Notre Dame*. Notre Dame, IN.
- Kutz-Flamenbaum, Rachel V.** (2006) Feminist Performance Activism in the Contemporary Anti-War Movement. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Kutz-Flamenbaum, Rachel V.** (2005) Parochialism of the U.S. Women’s Movement. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Lapegna, Pablo.** (2006) Agriculturas en Tensión: Conflictos Por el Uso de Semillas Transgénicas en Argentina y Brasil (Agricultures in Tension: Conflicts Regarding the Use of Transgenic Seeds in

- Argentina and Brazil). *Latin American Studies Association XXVI International Congress*. San Juan, Puerto Rico.
- Lindquist, Carol S.** (2005) A Look at Kitchens: Revealing the Heart of the Household. *Mid-Atlantic Popular/American Culture Association*. New Brunswick, NJ
- Maruoka-Ng, Etsuko.** (2006) Wearing “My Sword”: Post-9/11 Activism and Headscarf Practice Among South-Asian Muslim Female College Students in New York. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Maruoka-Ng, Etsuko.** (2006) Graduate Dissertation: Studying Gender with Qualitative Methods. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Maruoka-Ng, Etsuko.** (2005) Joining the Hijabees Club: Construction of Pan-Islamic Identity Among the “New” Second-Generation Muslim Female Youth. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Newmahr, Staci.** (2006) Searching for Community: Status, Stigma and Sadomasochism. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Roelfs, David J.** (2006) Could Mardi Gras be Moved? Theorizing the Limits of Economic Deterritorialization. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Roelfs, David J., and Zhao, Zheng.** (2006) The Marriage of Markets and Intimacy? *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Roelfs, David J.** (2005) A Framework for Analyzing Mixed Organization Forms. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Sher, Anna.** (2005) Geometry of Power: Vertical and Horizontal Aspects of the State—Big Business Relations in Contemporary Russia. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Shin, Hwa-Ji.** (2006) Shifting Boundaries of Citizenship. *Asian Studies Association Conference*. San Francisco, CA.
- Shin, Hwa-Ji.** (2005) Trajectories of Nation: Remaking Citizenship, Immigration and National Self-Image in Japan. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Shor, Eran.** (2006) The Utilization of Human Rights Rhetoric: Particularism and Universalism in Israeli Rights, and the Gaza Disengagement. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Smith, Tyson.** (2006) Masculinity and Men’s Health. *Sigma Delta Rho Fraternity Colloquium*. Stony Brook, NY.
- Smith, Tyson.** (2005) The Hot Topic(al) Alternative to the Survey-Based Introduction to Sociology Course. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.
- Traver, Amy.** (2006) Defining Culture and Community: Parents’ Boundary-Work at Cultural Events for Families with Children Adopted from China. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Traver, Amy.** (2006) Becoming a “Chinese-American” Parent: Parents’ Cultural Decision-Making and Inter-Country Adoption from China. *76th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Traver, Amy.** (2006) (Ap)parent Boundaries: Parents Boundary-Work at Cultural Events for Families with Children Adopted from China. *3rd Annual Graduate Student Ethnography Conference*. Stony Brook, NY.
- Traver, Amy.** (2005) Mentoring Masculinities: Race and Class in the (Re-) Construction of Gender in the U.S., and U.K. *100th Annual Meeting of the American Sociological Association*. Philadelphia, PA.

Tsutsui, K., Smith, J., and **Wiest, Dawn**. (2006) North-South Divides in Transnational Movement Organizations: Assessing Sources of Inequality and Prospects for Global Party Formation. *International Studies Association Annual Meeting*. San Diego, CA.

Wiest, Dawn. (2005) Regional Institutions and Social Movement Strategies. *Society for the Study of Social Problems Annual Conference*. Philadelphia, PA.

❖ **Post-Doctorates Obtained and Professional Appointments**

Besen, Yasemin. (2005) Assistant Professor. Department of Sociology, *Montclair State University*, Montclair, NJ.

Bolyard, Melissa. (2005) Senior Research Associate. Institute for Age Research, *National Development and Research Institutes Inc.*, New York, NY.

Diamond, Diane A. (2005) Adjunct Instructor. Department of Sociology, *College of the Holy Cross*, Worcester, MA.

Traver, Amy. (2005) Managing Editor, *Men and Masculinities*. An interdisciplinary, international journal of gender issues. Department of Sociology, *Stony Brook University*, Stony Brook, NY.

❖ **Internship Appointments**

Beltrán, Gaston. (2006) Children-Poverty Indicators Analyst. UNICEF, *United Nations*, New York, NY.

Esparza, Louis. (2006) Editorial Assistant. *Societies without Borders*, Brill Academic Publishers, Boston, MA.

❖ **Translations**

Buchholz, Larissa. (2005) Information Technology and the International Public Sphere/Informationstechnologie und die Internationale öffentliche Sphäre. Work by Craig Calhoun. *Publicum. Theorien der Öffentlichkeit (Publicum: Theories of the Public Sphere)*. G. Raunig, and U. Wuggenig, Eds. Vienna: Turia + Kant.

Buchholz, Larissa. (2005) Transnationalizing the Public Sphere/Die Transnationalisierung der Öffentlichkeit. Work by Nancy Fraser. *Publicum. Theorien der Öffentlichkeit (Publicum: Theories of the Public Sphere)*. G. Raunig, and U. Wuggenig, Eds. Vienna: Turia + Kant.

❖ **Other**

Baldermann, Diana. (2006) Member of Conference Organizing Committee. 5th Annual Multi-disciplinary Graduate Student Conference: Miradas desde el Sur (Views from the South), *Latin American and Caribbean Studies Center*, *Stony Brook University*. Stony Brook, NY.

Baldermann, Diana, and **Joseph, Lauren**. (2006) Head of Conference Organizing Committee. 3rd Annual Graduate Student Ethnography Conference, *Stony Brook University*. Stony Brook, NY.

Esparza, Louis. (2005-2006) Chair. Student Forum Advisory Board. *American Sociological Association*. Washington, DC.

Smith, Tyson. (2006) Lead Organizer of Conference Committee. *3rd Annual Graduate Student Ethnography Conference, Stony Brook University*. Stony Brook, NY.

THEATRE ARTS

GRADUATE DIRECTOR: STEVE MARSH
DEPARTMENT CHAIR: PEGGY MORIN

❖ Grants, Fellowships, and Awards

- van Kan, Anneka.** (2005-2006) €5,375. *German Academic Exchange Service (DAAD)*, Bonn, Germany.
- Webb, Eric.** (2006) International Shaw Society Hampton/Hussey Travel Grant. *International Shaw Society*, Odessa, FL.

❖ Singly Authored Publications/Research Reports/Reviews

- Arcieri, D.T.** (2005) Drinking Zombies (one-act). *Original Works Publishing*, Los Angeles, CA.
- Honnold, Heather.** (2005) Anatoly Smeliansky: A Tribute to a Life in Theater. *The Groundling*. Stony Brook University, Stony Brook, NY.
- O'Dell, Carrie Lee.** (2006) An Interview with Elizabeth Swados. *The Groundling*. Stony Brook University, Stony Brook, NY.
- O'Dell, Carrie Lee.** (2005) Annotated Bibliography. *At Play: Teaching Teenagers Theatre* by Elizabeth Swados. (forthcoming, June 2006)

❖ Jointly Authored Publications/Research Reports/Reviews

- Arcieri, D.T., and Arcieri, C.** (2006) The Indicator Hypothesis. *The Null Hypothesis* 2(3/4):26.

❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Mehas, Corinne.** (2006) Play Reading as a Tool for Developing the Undergraduate Writer. *Writing and the Disciplines: Pedagogy and Practices, Program in Writing and Rhetoric Spring Colloquium*. Stony Brook, NY.
- Meier, Inga.** (2006) Shakespeare Hits the Street: My Own Private Idaho, Chimes of Midnight and The Henriad. *SBU English Department Graduate Conference*. New York, NY.
- Meier, Inga.** (2006) George Bernard Shaw's *Heartbreak House* as a Template for Analyzing 9/11 Discourse in Theresa Rebeck's and Alexandra Gersten-Vassilaros' *Omnium Gatherum*. *Sesquicentennial Shaw Conference*. Providence, RI.
- Morgan-Mackay, Stephen.** (2005) Fight Director/Stage Combat. *The Nutcracker*. New Orleans, LA.
- Morgan-Mackay, Stephen.** (2006) Fight Director/Stage Combat. *The Tempest*. Stony Brook, NY.
- Webb, Eric.** (Accepted for 2006) Making a Saint: Divinity and the Life Force in Major Barbara and St. Joan. *Sesquicentennial Shaw Conference*. Providence, RI.

❖ Professional Appointments

Balsamo, Angie. (2005-2006) Research Assistant. *The Living Theatre*. theatre history textbook, McGraw Hill.

Honnold, Heather. (2004-2006) Artistic Associate. *Women's Project Theater*. New York, NY.

Honnold, Heather. (2006) Line Producer. Victoria Martin: Math Team Queen. *Women's Project Theater*. New York, NY.

Mehas, Corinne. (2006) Associate Artistic Director. *Cabaret Theatre*. Stony Brook, NY.

❖ Internship Appointments

Pringle, Brian. (2006) Dramaturgical Assistant. *The Redhouse*. Syracuse, New York, NY.

❖ Theatrical Productions and Performances

Arcieri, D.T. (2006) Playwright. Carl aka Karl. Reading. *Abingdon Theatre Co.*, New York City, NY.

Arcieri, D.T. (2006) Playwright. Norman! Backstage Theatre Co., *State University of New York*, Farmingdale, NY.

Arcieri, D.T. (2005) Playwright. Japanese Death Poem. Staged reading and winner of the John Gassner Play Festival. *Stony Brook University*, Stony Brook, NY.

Arcieri, D.T. (2005) Playwright. Norman! Full production. *Vital Theatre Co.*, New York City, NY.

Balsamo, Angie. (2006) Dramaturg/Dialect Coach. Importance of Being Earnest. *Stony Brook University*, Stony Brook, NY.

Balsamo, Angie. (2006) Dramaturg. A Man's World. *Conklin House*, Babylon, NY.

Balsamo, Angie. (2005/2006) Dramaturg. Enchanted April. *Asolo Theatre*, Sarasota, Florida.

Balsamo, Angie. (2005) Stage Management and Dialect Coach. Fumed Oak. *The Cabaret*, Stony Brook University, Stony Brook, NY.

Colpitts, Robert. (2006) Actor. The Importance of Being Earnest. *Theatre Two*, Stony Brook University, Stony Brook, NY.

Colpitts, Robert. (2006) Actor/Creator/Ensemble. Di/vision. *Fanny Brice Theatre*, Stony Brook University, Stony Brook, NY.

Colpitts, Robert. (2005) Actor. Fumed Oak. *Fanny Brice Theatre*, Stony Brook University, Stony Brook, NY.

Colpitts, Robert. (2005) Playwright. PsyD. *Fannie Brice Theatre*, Stony Brook University, Stony Brook, NY.

Colpitts, Robert. (2005) Actor. Boy Gets Girl. *Theatre Two*, Stony Brook University, Stony Brook, NY.

Honnold, Heather. (2006) Dramaturg. The Cataract. *Women's Project Theater*, New York, NY.

Honnold, Heather. (2006) Dramaturg. Morbidity and Mortality. *The Magic Theater*, San Francisco, CA.

Honnold, Heather. (2005) Associate Artistic Director. Long Island Play Project, Stony Brook University, Stony Brook, NY.

Theatre Arts

- Honnold, Heather.** (2006) Adaptor/Dramaturg. Dr. Faustus. *The Fannie Brice Theatre*, Stony Brook University, Stony Brook, NY.
- Lusk, Danya.** (2005) Director. Fumed Oak. *The Fannie Brice Theatre*, Stony Brook University, Stony Brook, NY.
- Lusk, Danya.** (2006) Stage Manager. Woyzeck. *Theatre 3*, Stony Brook University, Stony Brook, NY.
- Meier, Inga.** (2005) Dramaturg. Boy Gets Girl by Rebecca Gilman. *Theatre 2*, Stony Brook University, Stony Brook, NY.
- Meier, Inga.** (2006) Director/Translator/Adaptor/Dramaturg. Woyzeck by Georg Buechner. *Theatre 3*, Stony Brook University, Stony Brook, NY.
- Morgan-Mackay, Stephen.** (2006) Actor. The Duelists. Pittsburgh, PA, New Orleans, LA.
- Morgan-Mackay, Stephen.** (2005) Actor. The Duelists. Pittsburgh, PA, Lafayette, LA, Sacramento, CA, Norfolk, VA, New Orleans, LA.
- O'Dell, Carrie Lee.** (2005-2006) Dramaturg. *The Dybbuk*. Elizabeth Swados, Director. New York University, Tisch School of the Arts, NY.
- Pringle, Brian.** (2006) Dramaturgical Assistant. *The Redhouse*, Syracuse, NY.
- Pringle, Brian.** (2006) Dramaturg. Molly Sweeney by Brian Friel. *The Redhouse*, Syracuse, NY.
- Pringle, Brian.** (2006) Dramaturg. Rounding Third by Richard Dresser. *The Redhouse*, Syracuse, NY.
- Pringle, Brian.** (2005) Dramaturg. Skaneateles Dickens' Christmas Festival. *Scarlett Rat Productions*. Skaneateles, NY.
- Pringle, Brian.** (2005) Actor. Skaneateles Dickens' Christmas Festival. *Scarlett Rat Productions*, Skaneateles, NY.
- van Kan, Anneka.** (2006) performer / ensemble member. Di/vision. *Fannie Brice Theatre*, Stony Brook, NY.
- Colpitts, Robert.** (2006) Performer / ensemble member. Di/vision. *Fannie Brice Theatre*, Stony Brook, NY.
- Bojsza, E.** (2006) Performer / ensemble member. Di/vision. *Fannie Brice Theatre*, Stony Brook, NY.
- Gleason, K.** (2006) Performer / ensemble member. Di/vision. *Fannie Brice Theatre*, Stony Brook, NY.
- Webb, Eric.** (2005) Actor. Japanese Death Poem. *John Gassner New Play Festival at the Wang Center Auditorium*, Stony Brook, NY.
- Webb, Eric.** (2005) Assistant Dramaturg and Fight Coordinator. Escape From Happiness. *Staller Center Theatre 1*, Stony Brook, NY.
- Webb, Eric.** (2005) Actor. Boy Gets Girl. *Staller Center Theatre 2*, Stony Brook, NY.
- Webb, Eric.** (2005) Actor. PsyD. *Fannie Brice Theatre*, Stony Brook, NY.
- Webb, Eric.** (2006) Director. Danny and the Deep Blue Sea. *Staller Center Theatre 3*, Stony Brook, NY.
- Webb, Eric.** (2006) Actor. Reckless. *Staller Center Theatre 3*, Stony Brook, NY.
- Webb, Eric.** (2006) Actor. Ubu Roi. *Fannie Brice Theatre*, Stony Brook, NY.
- Webb, Eric.** (2006) Actor. Woyzeck. *Staller Center Theatre 3*, Stony Brook, NY.
- Webb, Eric.** (2006) Author and Playwright. Strange Currencies. *Staller Center Theatre 3*, Stony Brook, NY.

❖ **Dramatic Adaptations**

Webb, Eric, and Browne, Tim. (2006) *Ubu Roi*. *Fannie Brice Theatre*, Stony Brook, NY.

❖ **Recordings**

Pringle, Brian. (2005) Recording/Casting Agent. *Witch Doctor, Mayor of New York*. *Merian C. Cooper's King Kong* adapted by Joe DeVito and Brad Strickland. *Full Cast Audio*, Syracuse, New York, NY. (www.fullcastaudio.com)

Pringle, Brian. (2006) Full Cast Audio. The audio book, *Princess Academy* by Shannon Hale. Voice of Os. *Full Cast Audio*, Syracuse, New York, NY. (www.fullcastaudio.com)

❖ **Other**

O'Dell, Carrie Lee. (2006) Performance Text/Adaptation. *Plagued (there are none of us well)*. Adapted from texts by Antonin Artaud, T.S. Eliot, Lucy Taylor, J.T. LeRoy, Sophocles, Thomas Mann, and I.L. Peretz. Unpublished. Stony Brook University, Stony Brook, NY

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ADDENDUM

Please note that due to a printing error, the student achievements for the Department of Molecular Genetics and Microbiology has been added in the following section onto the electronic version of the *Graduate Student Achievements*, and is not reflected in print.

MOLECULAR GENETICS AND MICROBIOLOGY

GRADUATE DIRECTOR: JANET HEARING

DEPARTMENT CHAIR: JORGE BENACH

❖ Grants, Fellowships, and Awards

- Chabra, Inderjit.** (2005) Distinguished Service Award, \$350. Molecular Genetics and Microbiology Graduate Program, Stony Brook University. Stony Brook, NY.
- Connolly, Sean E.** (2006) Annual Dissertation Award for the Agricultural, Biological and Health Sciences, \$1,000. *Northeastern Association of Graduate Schools*.
- Gladue, Doug.** (2005) Distinguished Service Award, \$350. Molecular Genetics and Microbiology Graduate Program, Stony Brook University. Stony Brook, NY.
- Lucs, Alexandra.** (2003-2006) DoD Breast Cancer Research Program Predoctoral Traineeship Award, \$90,000. *US Army Medical Research and Materiel Command*. Fort Detrick, MD.
- Medina, Gisselle.** (2005) W. Burghardt Turner Fellowship Award. *Stony Brook University*. Stony Brook, NY.
- Medina, Gisselle** (2006) Chapter Sigma Xi Fraternity Research Travel Award, \$200. *State University of New York*. Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

- De Jesus, N., Franco, D., Paul, A., Wimmer E., Cello J.** (2005) Mutation of a single conserved nucleotide between the cloverleaf and internal ribosome entry site attenuates poliovirus neurovirulence. *J. Virol.* 79(22): 14235-14243.
- Grabenstein, J.P., Fukuto, H.S., Palmer, L.E., and Bliska, J.B.** (2006) Characterization of phagosome trafficking and identification of PhoP-regulated genes important for survival of *Yersinia pestis* in macrophages. *Infection and Immunity* (in press).
- Medina, G., Zhang, Y., Yang, Y., Gottwein, E., Vana, M.L., Bouamr, F., Leis, J., and Carter, C.A.** (2005) The functionally exchangeable L domains in RSV and HIV-1 Gag direct particle release through pathways linked by Tsg101. *Traffic* 6(10): 880-894.
- Oliva, A., Rosebrock, A., Ferrezuelo, F., Pyne, S., Chen, H., Skiena, S., Futcher, B., Leatherwood, J.** (2005) The cell cycle-regulated genes of *Schizosaccharomyces pombe*. *PloS Biol.* 3(7): e225.
- Ostapchuk, P., Anderson, M., Chandrasekhar, S., Hearing, P.** (2006) The L4 22 kDa protein plays a role in packaging of the adenovirus genome. *J. Virol.* (in press).
- Pavlov, V.A., Ochani, M., Gallowitsch-Puerta, M., Ochani, K., Huston, J.M., Czura, C.J., Al-Abed, Y., Tracey, K.J.** (2006) Central muscarinic cholinergic regulation of the systemic inflammatory response during endotoxemia. *Proc. Natl. Acad. Sci. U.S.A.* (103): 5219-23.
- Pujol C, Grabenstein J.P., Perry R.D, Bliska J.B.** (2005) Replication of *Yersinia pestis* in interferon gamma-activated macrophages requires ripA, a gene encoded in the pigmentation locus. *Proc Natl Acad Sci USA* 102(36): 12909-12914.

Shu Kin So, S., Thanassi, D.G. (2006) Analysis of the requirements for pilus biogenesis at the outer membrane usher and the function of the usher C-terminus. *Mol. Microbiol.* 60(2):364-375.

Yang, H., Wang, H., **Czura, C.J.**, Tracey, K.J. (2005) The cytokine activity of HMGB1. *J. Leukoc. Biol.* 78(1): 1-8.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

Czura, C.J. (2006) The Inflammatory Reflex. *26th Annual International Symposium on Intensive Care and Emergency Medicine*. Brussels, Belgium.

Czura, C.J. (2006) Neural Regulation of Inflammation. *Roundtable Conference: Mechanisms of Sepsis-induced Organ Dysfunction and Recovery*. Brussels, Belgium.

Czura, C.J., Schultz, A., Huston, J.M., Kaipel, M., Khadem, A., Ochani, M., Ochani, K., Redl, H., and Tracey, K.J. (2005) Vagus nerve stimulation attenuates peripheral hemorrhage in rodents and swine. *Advanced Technology Applications for Combat Casualty Care 2005 Conference*. St. Pete Beach, FL.

Czura, C.J., Schultz, A., Huston, J.M., Kaipel, M., Khadem, A., Ochani, M., Ochani, K., Redl, H., and Tracey, K.J. (2006) Vagus nerve stimulation attenuates hemorrhage in rodents and swine. *Experimental Biology*. San Francisco, CA.

Lucs, A. and Muthuswamy, S. (2005) Structure/Function Study of ErbB2. *Era of Hope—Department of Defense Breast Cancer Program Meeting*. Philadelphia, PA.

Lucs, A., and Muthuswamy, S. (2005) Structure/Function Analysis of ErbB2's Ability to Disrupt Epithelial Apical-Basal Cell Polarity *American Society of Cell Biology Annual Meeting*. San Francisco, CA.

Medina, G., Kanungol, M., Zhang, Y., Ehrlich, L.S., Lee, S., Tang, Y., Wong, S.S., Leis, J., and Carter, C.A. (2006) NEDD4 functions as an adaptor linking RSV Gag to Tsg101- regulated budding machinery. *Cold Spring Harbor Laboratory Meeting on Retroviruses*. Cold Spring Harbor, NY.

❖ **Professional Appointments**

Grabenstein, Jens. (2005) Postdoctoral Fellow. Department of Medicine, *New York University*, New York, NY.

Ryndak, Michelle. (2005) Postdoctoral Fellow. TB Center, *Public Health Research Institute*, Newark, NJ.