



AUGUST 4
2011

**NIH SUMMER
RESEARCH PROGRAM**

POSTER DAY

NATCHER CONFERENCE CENTER, NATIONAL INSTITUTES OF HEALTH, BETHESDA, MARYLAND



NIH SUMMER RESEARCH PROGRAM POSTER DAY 2011

MORNING SESSION	AM	9:00 AM - 11:00 AM
LUNCH SESSION	LCH	11:00 AM - 1:00 PM
AFTERNOON SESSION	PM	1:00 PM - 3:00 PM

NOTE: the complete program for Summer Poster Day 2011, including poster titles, can be found at www.training.nih.gov/summer_poster_day.

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Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DETTD)

1. Alexander Belov

BSL2 Neutralization Assay for Ebola Virus Based on Recombinant VSV: Effect on Cell Substrate and Serum Concentration

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Jerome Jacques,

Dr. Gerardo Kaplan, Preceptors

Laboratory of Hepatitis and Related Emerging Agents

2. Joseph A Chilbert

Development of a Purification Procedure for FC Fusion Proteins Based on Anti-FC Monoclonal Antibodies

Quince Orchard High School

Hometown: Gaithersburg, MD

Dr. Gerardo Kaplan, Preceptor

Laboratory of Hepatitis and Related Emerging Agents

3. Sonya R Davey

Characterization of the processing activity associated with Ufm1 conjugation in the protozoan parasite Leishmania donovani

University of Pennsylvania

Hometown: Gaithersburg, MD

Dr. Sreenivas Gannavaram, Preceptor

Laboratory of Bacterial, Parasitical and Unconventional Agents

4. John B Foley

Partitioning of Transfusion-Transmitted Flaviviruses in Whole Blood

Vanderbilt University

Hometown: Bethesda, MD

Dr. Caren J. Chancey,

Dr. Maria Rios, Preceptors

Laboratory of Molecular Virology

5. Sushmita B Gordhandas

Development of a novel method to remove bacterial contamination from platelet units

Cornell University

Hometown: Falls Church, VA

Dr. Luisa Gregori,

Dr. Nikunj Patel, Preceptors

Laboratory of Bacterial, Parasitical and Unconventional Agents

6. Amritanshu Joshi

Characterization of a Mitochondrial Membrane-Bound 27 kDa Protein in T. brucei

University of Miami

Hometown: Rockville, MD
Dr. Ranadhir Dey,
Dr. Robert Duncan, Preceptors
Laboratory of Bacterial, Parasitical and Unconventional Agents

7. Neelankshi Kaul

Subcellular distribution of proteins conjugated with the ubiquitin like modifier Ufm1 in the protozoan parasite Leishmania donovani

University of Virginia
Hometown: Vienna, VA
Dr. Sreenivas Gannavaram, Preceptor
Laboratory of Bacterial, Parasitical and Unconventional Agents

8. Abhishek Pandey

Phylogenetic Anomalies in Parasites: Horizontal Transfer of DNA or Contamination

Montgomery College
Hometown: Germantown, MD
Dr. Thomas F. Mccutchan,
Dr. Sanjai Kumar, Preceptors
Laboratory of Bacterial, Parasitical and Unconventional Agents

Center for Biologics Evaluation and Research, FDA (CBER-OBRR-DH)

9. Merek J Gourley

Optimization and Validation of Thrombin Generation Test for FVIII Activity

Johns Hopkins University
Hometown: Acworth, GA
Dr. Mikhail V. Ovanesov, Preceptor
Laboratory of Hemostasis

10. Divya Jain

Characterization of Intron 22 Inversion in Hemophilia A

Thomas S. Wootton High School
Hometown: North Potomac, MD
Dr. Zuben Sauna,
Dr. Gouri Pandey, Preceptors
Laboratory of Hemostasis

11. Wesley W Jong

Testing the Head-to-Head Hypothesis of Alpha-1 Proteinase Inhibitor Polymerization

Thomas S. Wootton High School
Hometown: Rockville, MD
Dr. Ewa Marszal, Preceptor
Laboratory of Plasma Derivatives

12. Erin Needlman

Computational analysis of F9 point mutations and their correlation to hemophilia B

James Madison University

Hometown: Olney, MD

Dr. Chava Kimchi-Sarfaty, Preceptor

Laboratory of Hemostasis

13. Christine E Stuart

Investigating the Models of Alpha-1 Proteinase Inhibitor Polymers

Boston University

Hometown: Chevy Chase, MD

Dr. Ewa Marszal, Preceptor

Laboratory of Plasma Derivatives

14. Denise M Toibero

Transcytosis of human immunoglobulin through polarized epithelial cell line

University of Maryland at College Park

Hometown: Laurel, MD

Dr. Evi Struble, Preceptor

Laboratory of Plasma Derivatives

Center for Biologics Evaluation and Research, FDA (CBER-OCTGT-DCGT)

15. Allison L Branchaw

Flow cytometric analysis of DLK-1 expression in human blood cells

Montgomery College

Hometown: Derwood, MD

Dr. Steven R. Bauer,

Dr. Heba A. Degheidy, Preceptors

Laboratory of Stem Cell Biology

16. Lina Chhuy-Hy

The Effect of Over Expression and Loss of Function of PRELP (leucine-rich repeat protein) in Xenopus Early Development

Washington Lee High School

Hometown: Arlington, VA

Dr. John T. Thomas, Preceptor

Laboratory of Immunology and Developmental Biology

17. Joana Y Pei

Cell-Specific Targeting with Lentiviral Vectors

University of California Berkeley

Hometown: Saratoga, CA

Dr. Jakob Reiser,
Dr. Wu Ou, Preceptors
Laboratory of Molecular Immunology and Virology

Center for Information Technology (CIT)

18. Aaron T Bornstein

Automated Molecular Modeling: Computational Structure Prediction of Peptides and Proteins

Goucher College
Hometown: Bethesda, MD
Dr. Peter Steinbach,
Dr. Sergio Hassan, Preceptors
Center for Molecular Modeling

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

19. Brent S Abel

Comparison of quality of life between patients with Cushing's syndrome and obese subjects without Cushing's syndrome

Tufts University
Hometown: Silver Spring, MD
Dr. Lynnette K. Nieman,
Dr. Smita B. Abraham, Preceptors
Program in Reproductive and Adult Endocrinology

20. Hannah R Abrams

Toward the Mass Spectrometric Determination of Endogenous Urinary Steroids

Emery/Weiner School
Hometown: Houston, TX
Dr. Alfred L. Yergey, Preceptor
Office of the Scientific Director

21. Robert Ashmead

A Sample Enrichment Strategy for Effective Use of Genotype Data in Quantitative Traits Genome-Wide Association Study

The Ohio State University
Hometown: Grand Rapids, MI
Dr. Aiyi Liu,
Dr. Paul Albert, Preceptors
Biometry & Mathematical Statistics (BMS) Branch

22. Elande Baro

Maximum Likelihood Estimation of the Kappa Coefficient

UMBC

Hometown: Baltimore, MD

Dr. Zhen Chen, Preceptor

Division of Epidemiology, Statistics and Prevention Research

23. Stacy A Blondin

Comparing dietary and serum measurements of carotenoids in association with insulin resistance.

Johns Hopkins School of Public Health

Hometown: Baltimore, MD

Dr. Edwina Yeung, Preceptor

Division of Epidemiology, Statistics and Prevention Research

24. Ashleigh C Bouchelion

Oxidative stress-mediated dysregulation of cathepsin D in a mouse model of childhood neurodegenerative disease:Amelioration by small molecules

UMBC

Hometown: Greenbelt, MD

Dr. Anil Mukherjee, Preceptor

Program in Developmental Endocrinology and Genetics

25. Jacqueline M Brady

Identification of amino acid residues important for enzymatic activity of SidD, a novel de-AMPylase from Legionella pneumophila

Saint Mary's College of Maryland

Hometown: Thurmont, MD

Dr. Matthias Machner, Preceptor

Cell Biology and Metabolism Program

26. Molly R Braun

Malaria Vaccine Development: Design and Production of Circumsporozoite Protein from Plasmodium vivax and Engineering Molecular Modifications to the CSP Gene

Haverford College

Hometown: Silver Spring, MD

Dr. Jerry Keith,

Dr. Rachel Schneerson, Preceptors

Program in Developmental and Molecular Immunity

27. Nicole J Brimmer

Positional Cloning of a Novel Cranial Hemorrhage Mutant Zebrafish

British School of Washington

Hometown: Chevy Chase, MD

Dr. Brant M. Weinstein,

Dr. Matthew G. Butler, Preceptors
Program in Genomics of Differentiation

28. Jennifer Brite

The effect of height and race on gestational diabetes risk

Columbia University

Hometown: Nyack, NY

Dr. Cuilin Zhang,

Dr. Katherine Bowers, Preceptors

Division of Epidemiology, Statistics and Prevention Research

29. Evan Butler

Anatomical Study of Neurons Believed to Mediate Innate Preference for Odors

University of Mary Washington

Hometown: Warrenton, VA

Dr. Nitin Gupta, Preceptor

Laboratory of Cellular and Synaptic Neurophysiology

30. Madeline E Caballero

Preventing and Understanding Learning Deficits in a Model of Down Syndrome

Bishop Ireton High School

Hometown: Alexandria, VA

Dr. Catherine Y. Spong,

Ms. Robin B. Roberson, Preceptors

Unit on Prenatal and Developmental Neurobiology

31. Michelle Camacho

Haemophilus ducreyi Cytolethal Distending Toxin A Subunit Development of a Carrier for Polysaccharide/Protein Vaccines: Cloning, Characterization, and Production

Stone Ridge School of the Sacred Heart

Hometown: Rockville, MD

Dr. Jerry Keith, Preceptor

Program in Developmental and Molecular Immunity

32. Carmen K Chan

Novel Insights into Tethering by Identification of GARP Interacting Proteins

University of Virginia

Hometown: McLean, VA

Dr. Juan S. Bonifacino, Preceptor

Cell Biology and Metabolism Program

33. Andrew N Chen

Evaluation of Neurodegeneration in a Mouse Model of Infantile Batten Disease by Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy

Johns Hopkins University

Hometown: Bethesda, MD

Dr. Anil B. Mukherjee, Preceptor
Program in Developmental Endocrinology and Genetics

34. Mary E Cole

Deletion of PKA subunits induces novel packing of collagen fibers and regulates mineralization in bone tumors

University of Maryland, Baltimore County

Hometown: Hanover, MD

Dr. Edward L. Mertz, Preceptor

Section on Physical Biochemistry

35. Suzanne L Collier

Allelic Expression at the SNRPN locus in Monosomy X

Colgate University

Hometown: Potomac, MD

Dr. Carolyn Bondy, Preceptor

Developmental Endocrinology Branch

36. Kevin Fashola

Resting Metabolic Rates (RMR) in Black and White Children

University of California, Riverside

Hometown: Granada Hills, CA

Dr. Jack Yanovski, Preceptor

Developmental Endocrinology Branch

37. Andrew K Fraser

Purification and Characterization of Sperm Nuclear Protamines

Indiana University Purdue University Indianapolis

Hometown: Washington, DC

Dr. Don Rau, Preceptor

Laboratory of Physical and Structural Biology

38. Marjorie F Galler

Niacin and Free Fatty Acid Suppression in Obese Children

Harvard Medical School

Hometown: Boca Raton, FL

Dr. Jack Yanovski, Preceptor

Developmental Endocrinology Branch

39. Preston Ge

Behavioral Analysis of Innate Preferences for Food Odors

Richard Montgomery High School

Hometown: Gaithersburg, MD

Dr. Kui Sun,

Dr. Mark Stopfer, Preceptors

Laboratory of Cellular and Synaptic Neurophysiology

40. Hali L Hambridge

Anovulation & Hormone Profiles in Sequential Ovarian Cycles

Johns Hopkins University

Hometown: Rockville, MD

Dr. Donald R. Mattison, Preceptor

Division of Epidemiology, Statistics and Prevention Research

41. Sahel Hazrati

Factors that modify neonatal respiratory morbidity in pregnancies complicated by diabetes

George Mason University

Hometown: Vienna, VA

Dr. Sarah K. Laughon,

Dr. Una Grewal, Preceptors

Epidemiology (EPI) Branch

42. Rizwan R Jagani

Novel Approach of Assessing Treatment Efficacy of Type-1 Complex Regional Pain Syndrome via Thermography

Plano East Senior High School

Hometown: Plano, TX

Dr. Jana Kainerstorfer,

Dr. Moinuddin Hassan, Preceptors

Laboratory of Integrative and Medical Biophysics

43. Shikha Kapil

The effect of celecoxib, a COX-2 inhibitor, on PKA activity of cAMP-responsive bone tumors

Medical College of Georgia

Hometown: Alpharetta, GA

Dr. Emmanouil Saloustros,

Dr. Constantine Stratakis, Preceptors

Developmental Endocrinology Branch

44. Timothy C Keating

Splice variants of the Col1a1 transcript in Osteogenesis Imperfecta murine model with the c.2526+2T->A splice site mutation

Davidson College

Hometown: Efland, NC

Dr. Joan Marini,

Dr. Adi Reich, Preceptors

Bone and Extracellular Matrix Branch

45. Michael R Kellman

Wavelength Optimized Multi-Spectral Imaging of Oxy- and Deoxy- Hemoglobin

Concentrations

Walt Whitman High School
Hometown: Bethesda, MD
Dr. Jana Kainerstorfer, Preceptor
Laboratory of Integrative and Medical Biophysics

46. Nina Kogekar

Meiotic progression and membrane remodeling in early stages of Drosophila melanogaster oogenesis
Swarthmore College
Hometown: Danbury, CT
Dr. Tanveer Akbar,
Dr. Mary Lilly, Preceptors
Cell Biology and Metabolism Program

47. Jessica P Lambert

Effects of Functional Polymorphism (5-HTTLPR) on Happiness and Well-Being in Macaques
Frederick Community College
Hometown: Frederick, MD
Dr. Annika Paukner, Preceptor
Laboratory of Comparative Ethology

48. Melody C Liu

Phosphorylation Dependent Complex Analysis for UDP-Glucuronosyl Transferase-1A9
Thomas Jefferson High School for Science and Technology
Hometown: Sterling, VA
Dr. Nikhil K. Basu,
Dr. Ida S. Owens, Preceptors
Program in Developmental Endocrinology and Genetics

49. Brooke Lokie

Bone mineral density and endocrine parameters in children with Neurofibromatosis type 1
Virginia Tech
Hometown: Willard, MO
Dr. Maya B. Lodish, Preceptor
Developmental Endocrinology Branch

50. Swetha Mannem

Investigating Brain's Resting State Connectivity Using Near-Infrared Spectroscopy
Langley High School
Hometown: McLean, VA
Dr. Laleh Najafizadeh,
Dr. Amir Gandjbakhche, Preceptors
Program in Pediatric Imaging and Tissue Sciences

51. Elizabeth L Meier

Interactions between nuclear pore complex (NPC) and spindle assembly checkpoint (SAC) proteins during X. laevis cell cycle

Scripps College

Hometown: Beaverton, OR

Dr. Mary Dasso, Preceptor

Laboratory of Gene Regulation and Development

52. Samantha R Merrill

Infants' Attention to Object Weight Difference and Correspondence During Manipulation

Brighton High School

Hometown: Potomac, MD

Dr. Clay Mash, Preceptor

Laboratory of Comparative Ethology

53. Krishnasai K Nagineni

Using Fluorescent Imaging to Determine Expression of HER2 Receptors

Northwest High School

Hometown: Germantown, MD

Dr. Victor V. Chernomordik,

Dr. Amir H. Gandjbakhche, Preceptors

Laboratory of Integrative and Medical Biophysics

54. Semhar B Ogbagaber

Harmonic Models for Characterizing Activity Patterns Among Teenagers

University of Pittsburgh

Hometown: Arlington, VA

Dr. Zhang Zhiwei,

Dr. Paul Albert, Preceptors

Division of Epidemiology, Statistics and Prevention Research

55. Stephanie Opusunju

Identifying regulators of IS061 Small RNA Expression

Texas Woman's University

Hometown: McKinney, TX

Dr. Gisela Storz, Preceptor

Section on Environmental Gene Regulation

56. Ilya D Papatsenko

Sensitivity and Specificity Analysis of Polymorphism Calling in Next-Gen DNA Sequencing

University of California, Berkeley

Hometown: Rockville, MD

Mr. Jonathan A. Epstein, Preceptor

Molecular Genomics Laboratory (MGL)

57. Nikita B Patel

Identification and characterization of novel compounds for the treatment of pheochromocytoma

Westfield High School

Hometown: Herndon, VA

Dr. Alessio Giubellino, Preceptor

Program in Reproductive and Adult Endocrinology

58. Jeremy A Pathmanabhan

A genome-wide study of transposon insertion using deep sequencing and serial number technology; does selection of insertions bias the positions detected

Mission San Jose High School

Hometown: Fremont, CA

Dr. Henry Levin,

Dr. Atreyi Chatterjee, Preceptors

Program in Cellular Regulation and Metabolism

59. Victoria Poon

Transcriptional Activation of Steroidogenic Genes Parallels Nuclear Translocation of Transducer Of Regulated CREB Activity (TORC)

University of Maryland

Hometown: Silver Spring, MD

Dr. Greti Aguilera, Preceptor

Pediatric and Reproductive Endocrinology Branch

60. Katherine S Potocka

Possible Role for pdgfaa/pdgfra Signaling in Endothelial Cell Directional Movement

Bethesda-Chevy Chase High School

Hometown: Bethesda, MD

Dr. Brant Weinstein,

Dr. Shlomo Krispin, Preceptors

Laboratory of Molecular Genetics

61. Jill K Poudrier

Diet quality indices and serum lipoproteins: racial disparities

George Mason University

Hometown: Rockville, MD

Dr. Sunni Mumford,

Dr. Neil Perkins, Preceptors

Epidemiology (EPI) Branch

62. Kiran Prasad

Comparing Expression of Differentially Methylated Genes between Adults and Children

Columbia University

Hometown: Potomac, MD

Dr. Valya Russanova, Preceptor
Laboratory of Molecular Growth Regulation

63. Rafa Rahman

Evaluation of Treatment Efficacy for Kaposi's Sarcoma Lesions Using Principal Component Analysis on Multispectral Images

Thomas Jefferson High School for Science and Technology

Hometown: Centreville, VA

Dr. Jana Kainerstorfer, Preceptor

Program in Pediatric Imaging and Tissue Sciences

64. Stephanie M Rink

How good is "5 A Day"? The impact of fruits and vegetables on oxidative stress

The Pennsylvania State University

Hometown: Rochester, MI

Dr. Pauline Mendola, Preceptor

Division of Epidemiology, Statistics and Prevention Research

65. Kristen K Rosano

Screening for predisposing genetic variations in BCL11A in Carney complex patients negative for variations in PRKARIA

University of North Carolina

Hometown: Rockville, MD

Dr. Anelia D. Horvath, Preceptor

Developmental Endocrinology Branch

66. Fernando Salazar-Miralles

Studies of targeted disruption of the BRX (AKAP13) gene in Mice

University of New Mexico

Hometown: Bethesda, MD

Dr. James Segars, Preceptor

Program in Developmental Endocrinology and Genetics

67. Melissa Schnure

Effect of HIV Tat B and Tat C Proteins on Cytokine Gene Expression in Human Monocytes

Princeton University

Hometown: Bethesda, MD

Dr. Keiko Ozato,

Dr. Monica Gupta, Preceptors

Program in Genomics of Differentiation

68. Robert M Sgrignoli, Sabrina A Mathenia

Comparison of Self-Reported vs. Objectively Measured Physical Activity in Adolescents

Mercyhurst College

Saint Louis University

Hometown: Mechanicsburg, PA
Troy, IL
Dr. Denise Haynie,
Dr. Charlotte Pratt, Preceptors
Prevention Research (PR) Branch

69. Adam K Shi

A Novel Role for p23/p24 Cargo Receptor Complex in ER Quality Control
Richard Montgomery High School
Hometown: North Potomac, MD
Dr. Prasanna Satpute-Krishnan,
Dr. Jennifer Lippincott-Schwartz, Preceptors
Cell Biology and Metabolism Program

70. Sana N Siddiqui

Generation of Transgenic Zebrafish Expressing Vascular-Specific Fluorescent Proteins
University of Maryland - College Park
Hometown: Boonsboro, MD
Dr. Brant Weinstein,
Dr. Kathryn Monzo, Preceptors
Program in Genomics of Differentiation

71. Ayaka Sugiura

Dual Cholinergic Signaling in Pituitary Cells
Cornell University
Hometown: Bristow, VA
Dr. Stanko Stojilkovic,
Dr. Marek Kucka, Preceptors
Program in Developmental Neuroscience

72. Annie Tang

Does Sap1 mediate integration of retrotransposon Tfl in Schizosaccharomyces pombe?
Thomas S. Wootton High School
Hometown: Gaithersburg, MD
Dr. Henry Levin, Preceptor
Laboratory of Gene Regulation and Development

73. Rustin R Tashayyod

Functional Near Infrared Spectroscopy for Real Time Neurofeedback
Winston Churchill High School
Hometown: Potomac, MD
Dr. Amir H. Gandjbakhche,
Dr. Franck Amyot, Preceptors
Program in Pediatric Imaging and Tissue Sciences

74. James Taylor

The Development of a Poly(Ethylene Glycol)-Collagen Copolymer as a 3-Dimensional Scaffold for Cell Growth

University of Maryland, Baltimore County

Hometown: Lanham, MD

Dr. Ralph Nossal,

Dr. Silviya Zustiak, Preceptors

Laboratory of Integrative and Medical Biophysics

75. Jia Tian

Construction of Dnmt1 promoter constructs and examination of Dnmt1 promoter activity in pluripotent and non-pluripotent cells

University of California Berkeley

Hometown: Torrance, CA

Dr. Owen M. Rennert,

Dr. Alan L. Pang, Preceptors

Laboratory of Clinical Genomics

76. Jordan H Trenkov

Sanger Validation of Next Generation Sequencing Variation Calls

Westfield Highschool

Hometown: Centreville, VA

Dr. Anelia D. Horvath, Preceptor

Developmental Endocrinology Branch

77. Aaron L Troy

GLUT4 dynamics in plasma membrane: the role of domains in exocytosis and endocytosis

Melvin J. Berman Hebrew Academy

Hometown: Chevy Chase, MD

Dr. Vladimir A. Lizunov,

Dr. Joshua Zimmerberg, Preceptors

Program in Physical Biology

78. Lauren I Useem

Adipose Tissue Distribution and Insulin Sensitivity among African American and Cacaasian Children

Indiana University

Hometown: W. Lafayette, IN

Dr. Jack Yanovski, Preceptor

Program in Developmental Endocrinology and Genetics

79. Julian J Weiss

Ebola Virus in Zebrafish: Developing an in vivo model of endothelial toxicity

Sidwell Friends School

Hometown: Washington DC, DC

Dr. Brant M. Weinstein,

Dr. Tim Mulligan, Preceptors
Laboratory of Molecular Genetics

80. Rebecca Wong

Influence of Negative Affect on Eating in the Absence of Hunger (EAH) in Adolescents

Solano Community College

Hometown: Bethesda, MD

Dr. Jack Yanovski,

Dr. Lauren Shomaker, Preceptors

Program in Developmental Endocrinology and Genetics

81. Lok-Man Yeung

Identification of novel thyroid hormone response involved in Postembryonic intestinal development

Sherwood High School

Hometown: Olney, MD

Dr. Yun-bo Shi,

Mr. Kenta Fujimoto, Preceptors

Laboratory of Gene Regulation and Development

82. Sina Zargham

The Use of Fluorescence Lifetime Imaging in Identifying Cancer Cells Based On Varying PH Environments

Winston Churchill High School

Hometown: Potomac, MD

Dr. Yasaman Z. Ardeshirpour,

Dr. Amir H. Gandjbakhche, Preceptors

Laboratory of Integrative and Medical Biophysics

National Cancer Institute

83. Navid Attayan

Targeting AKT Signaling Pathway in the Treatment of Neuroblastoma

James Madison University

Hometown: Gainesville, VA

Dr. Carol J. Thiele, Preceptor

NCI Center to Reduce Cancer Health Disparities

84. Manjot K Bagri

ATP Dependent Initiation of Spore Coat Assembly in Bascillus subtilis

UCLA

Hometown: Bethesda, MD

Dr. Jean-Philippe Castaing,

Dr. Kumaran Ramamurthi, Preceptors

Center to Reduce Cancer Health Disparities

85. William J Cukierski, David Hou, Jake A Kirkwood

Automatic Selection of Nuclei for Understanding Genomic Reorganization in Cancer Tissue Images

Rutgers University

Georgia Institute of Technology

Middletown High School

Hometown: Highland Park, NJ

Potomac, MD

Middletown, MD

Dr. Stephen Lockett,

Dr. Kaustav Nandy, Preceptors

NCI-Frederick Office of the Director, Advanced Technology Program (ATP)

86. Christina M DiFabio

Examining Cdca7l and Crip2 as Potential Modifiers of Astrocytoma in B6 and 129 Male Mice

Brown University

Hometown: Frederick, MD

Dr. Karlyne M. Reilly, Preceptor

Center to Reduce Cancer Health Disparities

87. Sean K Errington

Synthesis and Biochemical Characterization of Hydrocarbon-Stabilized p63 and p73 Peptides

Walt Whitman High School

Hometown: Cabin John, MD

Dr. Federico Bernal,

Dr. Joseph J. Mitala, Preceptors

NCI Center to Reduce Cancer Health Disparities

88. Haleigh B Eubanks

Mastrophage: A fusion of mast cells and macrophages in advanced prostate cancer

Jackson State University

Hometown: Cleveland, MS

Dr. Stephanie Watkins, Preceptor

NCI Center to Reduce Cancer Health Disparities

89. William C Fix

PD-1 Blockade Enhances Adoptive Cell Therapy for pre-B Cell ALL

Brown University

Hometown: Alexandria, VA

Dr. Terry J. Fry, Preceptor

Center to Reduce Cancer Health Disparities

90. Edward O Irobi

Structural determination of mutant forms of periplasmic domain of the Yersinia pestis type III secretion protein YscD and potential public health threat of Y. pestis

Walden University

Hometown: Buffalo Grove, IL

Dr. David Waugh,

Dr. David E. Nelson, Preceptors

NCI-Frederick Office of the Director, Advanced Technology Program (ATP)

91. Abdullah Z Latif

Comparative Software Analysis of Normal Lymphocyte Subsets

Forest Oak Middle School

Hometown: Gaithersburg, MD

Dr. Maryalice W. Stetler-Stevenson,

Dr. Heba Degheidy, Preceptors

NCI Center to Reduce Cancer Health Disparities

92. Erin S Ong

Does Mndal Regulate Mtor Expression?

University of Maryland

Hometown: Potomac, MD

Dr. Shuling Zhang, Preceptor

NCI Center to Reduce Cancer Health Disparities

93. Jacob P Veenstra

The Effect of Sonication vs. Extrusion on Photopolymerization of DC8,9PC

Frederick Christian Academy

Hometown: Jefferson, MD

Dr. Anu Puri,

Dr. Amichai Yavlovich, Preceptors

NCI-Frederick Office of the Director, Advanced Technology Program (ATP)

National Cancer Institute Center for Cancer Research (NCI-CCR)

94. Nadia O Abutaleb

Determining the Effect of AGAP3 on Endocytosis

Poolesville High School

Hometown: Derwood, MD

Dr. Paul A. Randazzo,

Dr. Yoko Shiba, Preceptors

Laboratory of Cellular and Molecular Biology

95. Isha Agarwal

Studying T-Cell Signaling using High and Super-Resolution Microscopy

Thomas S. Wootton High School
Hometown: North Potomac, MD
Dr. Lawrence E. Samelson, Preceptor
Laboratory of Cellular and Molecular Biology

96. Muneeb Ahmed

Ephrin Signaling in Mutant EGFR-Induced Lung Cancer
Harvard University
Hometown: Utica, MI
Dr. Udayan Guha, Preceptor
Medical Oncology Branch and Affiliates

97. Abdul A Akram

Mechanism of Polymerization of Light-Sensitive DC8,9PC Liposomes
University of Maryland
Hometown: Frederick, MD
Dr. Anu Puri,
Dr. Amichai Yavlovich, Preceptors
CCR Nanobiology Program

98. Nate B Alabi

Role of the NADPH oxidase in radiation-induced DNA damage
Howard University
Hometown: Washington, DC
Dr. Urbain S. WEYEMI,
Dr. Christophe Redon, Preceptors
Laboratory of Molecular Pharmacology

99. Joshua M Allen

The Role of Natural Killer Cells in the Reactivation of Cytomegalovirus in Patients Receiving Allogeneic Hematopoietic Stem Cell Transplantation
Georgetown University School of Medicine
Hometown: Bethesda, MD
Dr. Ronald Gress, Preceptor
Experimental Transplantation and Immunology Branch

100. Nidharshan S Anandasivam

Effect of d-catenin on VE-cadherin distribution in endothelial cells
Massachusetts Institute of Technology
Hometown: Rancho Viejo, TX
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101. Johanthon D Anderson

Epigenetic Modifications in Mouse Intrathymic T-cell Differentiation
UC Davis

Hometown: Sacramento, CA
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102. Towqir A Aziz

The Gamma-H2AX Assay as a Biodosimeter for Ionizing Radiation
Green Hope High School
Hometown: Cary, NC
Dr. Christophe Redon,
Dr. William M. Bonner, Preceptors
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103. Jennifer Bai

MicroRNA targeting of kinases reverses cisplatin resistance
Dartmouth College
Hometown: Cockeysville, MD
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104. Kamen A Barnes

High Quality Genomic DNA Extraction from Archival Formalin-Fixed, Paraffin-Embedded Tissue
Magruder High School
Hometown: Gaithersburg, MD
Dr. Stephen M. Hewitt,
Dr. Joon-Yong Chung, Preceptors
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105. Jean-Edson Belcourt

Comparison of FDG-PET and Dynamic Contrast Enhanced MRI in Younger versus Older Patients with Glioblastomas
Howard University College of Medicine
Hometown: Hyattsville, MD
Dr. Fabio Iwamoto, Preceptor
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106. Alexandra R Berg

Vascularity and Plasma Cell Clustering as Predictors of Myelomagenesis
Williams College
Hometown: Bethesda, MD
Dr. Ola Landgren, Preceptor
Medical Oncology Branch and Affiliates

107. Siddhant Bhatia, Moez Dawood, Jun Hong Kim, Rachna Nandwani

Structural analysis of HIV envelope glycoproteins on intact viruses and in soluble

immunogens using 3D electron microscopy
Washington University in St. Louis
William Fremd High School
Thomas Jefferson High School for Science and Technology
Massachusetts Institute of Technology
Hometown: Herndon, VA
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Fairfax, VA
Vienna, VA
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108. Kavita Bhatnagar

Targeted Next-Generation Sequencing of TP53 Mutations in Sarcomas
Thomas Wootton High School
Hometown: Gaithersburg, MD
Mr. Robert L. Walker, Preceptor
Genetics Branch

109. Matthew R Blackburn

Functional significance of altered expression of the miRNA miR-135b in colorectal cancers and ulcerative colitis
Loyola University Maryland
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110. James R Blum

Transcriptional Repression by Thpok in CD4-CD8 T cell Differentiation
Brown University
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111. Alexander S Borsa

Mutations in the ABCC6 Gene in Patients with PXE
Governor Thomas Johnson High School
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112. Trent Bowen

Epigenetic Changes at the Human Centromere
Arizona State University
Hometown: Gilbert, AZ

Dr. Yamini Dalal,
Dr. Delphine Quenet, Preceptors
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113. Anthony S Bradley

Sox2 is Involved in the Development of Bronchiolization of Alveoli (BOA) in Transgenic Mouse Lung

Howard University College of Medicine

Hometown: Alexandria, VA

Dr. Yan Li,

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114. Collis A Brown

Assessment of HER2 of formalin-fixed paraffin-embedded breast cancer tissue by new technologies

Howard University

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115. lauren a Buford

Immunologic Responses to TARP Peptide Vaccination In Men with Stage D0 Prostate Cancer

Hampton University

Hometown: Springfield, VA

Dr. Lauren Wood, Preceptor

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116. Kara M Calhoun

Germline Variation in MDM2 is Associated with Outcome in NSCLC

Rice University

Hometown: Tyler, TX

Dr. Brid M. Ryan,

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117. Wilson Chan

Evaluation of the tumor suppressor gene, hcasz11's ability in regulating cell migration in Rhabdomyosarcoma

University of Maryland College Park

Hometown: Silver Spring, MD

Dr. Zhi Hui Liu,

Dr. Carol J. Thiele, Preceptors

Pediatric Oncology Branch

118. Christine Chang

Function of HectE3 Ligases in TGF-Beta Signaling

Wootton

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119. Tiffany Chang

VEGF Induces CD47 Ubiquitination in T Cells

Johns Hopkins University

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120. Tania Chatterjee

RctB-Mediated Replication of Chromosome 2 of Vibrio cholerae

University of Maryland, Baltimore County

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Dr. Tatiana B. Vencova-Canova, Preceptors

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121. Eric Cheng

Generation and Characterization of Molecularly Defined Antibody-Drug Conjugates

Targeting Cell Surface Antigen ROR1

University of Michigan

Hometown: Hagerstown, MD

Dr. Christoph Rader, Preceptor

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122. Harshini Chinnasamy

Comparison of the Effects of Two Different MAPK Pathway Inhibitors on Pancreatic Cancer Cell Growth and Death

University of Maryland, Baltimore County

Hometown: Potomac, MD

Dr. Udo Rudloff,

Ms. Anne Miermont-Eltejaye, Preceptors

Surgery Branch

123. Monica M Cho

Characterizing pDCs After Allogeneic BMT

University of Pennsylvania

Hometown: Potomac, MD

Dr. Terry J. Fry, Preceptor

Pediatric Oncology Branch

124. Rohini Choudhuri

Studying the effect of CPT and irradiation on γ H2AX and S100 in A375 cells

University of Maryland College Park

Hometown: Potomac, MD

Dr. Palak Parekh, Preceptor

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125. Jonathan Chuang

Standardization of Electron Paramagnetic Resonance physical biodosimetry in cases of accidental exposure to ionizing radiation

Milton Academy

Hometown: Gaithersburg, MD

Dr. Murali K. Cherukuri, Preceptor

Radiation Biology Branch

126. Christiana C Collier

Clarifying the impact of Chk2 acetylation on the DNA damage response

Central High School

Hometown: Gaithersburg, MD

Dr. Yves Pommier,

Dr. Sheena Aris, Preceptors

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127. Melina Cuesta

Effect of TIMP-2 on Angiogenesis and Inflammation Associated with Tumor Growth in vivo

Convent of the Sacred Heart

Hometown: Bronx, NY

Dr. Liliana Guedez,

Dr. William Stetler-Stevenson, Preceptors

Radiation Oncology Branch

128. Aeisha J Davis

Effects of Cancer on Osteoblast and Fibroblast

University of Charleston

Hometown: Gaithersburg, MD

Dr. William Stetler-Stevenson, Preceptor

Radiation Oncology Branch

129. Francesca C Duncan

Molecular Analysis of Human Metastatic Breast Cancer

Meharry Medical College - School of Medicine

Hometown: Gaithersburg, MD

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Dr. Michael Tangrea, Preceptors

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130. Nora Eccles

Evaluation of IAP Modulation via Small-molecule Drug vs. Nanoparticle Delivery

Harvard University

Hometown: Bethesda, MD

Dr. King Kwong, Preceptor

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131. Mana Espahbodi

Internalizing Single Domain Human Antibodies to Target Hepatocellular Carcinoma by

Phage Display

University of Notre Dame

Hometown: Williamsburg, VA

Dr. Mitchell Ho, Preceptor

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132. Karina R Espana

Prognostic Serum Markers in Patients with Myeloma Precursor Disease

Portland State University

Hometown: Washington D.C., DC

Dr. Ola Landgren, Preceptor

Medical Oncology Branch and Affiliates

133. Karla Espinosa

Mitochondrial toxicity induced by anti-HIV drugs and the use of Tempol as a protective agent

University of Texas at Dallas

Hometown: Irving, TX

Dr. Yongmin Liu, Preceptor

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134. justin evans

Evaluation of Dynamic Contrast Enhanced MRI after Withdrawal of Antiangiogenic

Therapy in Patients with Malignant Gliomas

Fayetteville State University

Hometown: Indianapolis, IN

Dr. Fabio Iwamoto,

Dr. Howard Fine, Preceptors

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135. Altovise T Ewing

African American Xeroderma Pigmentosum Patient with Developmental Delay and Chromosomal Abnormalities

Howard University

Hometown: Pulaski, TN

Dr. Kenneth Kraemer,
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136. Joshlean Fair

Radiation-induced astrocyte senescence: effects on migration/invasion of glioblastoma stem-like cells

University of the District of Columbia
Hometown: Washington, DC
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137. Elizabeth Faust

Effects of melanin composition and distribution on photoprotection in vitro

University of Wisconsin Stout
Hometown: Oconomowoc, WI
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138. Elena V Fernandez

Influence of TGF β on Thalidomide Treatment in Hormone Sensitive Prostate Cancer

University of Mary Washington
Hometown: Vienna, VA
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Dr. Tristan M. Sissung, Preceptors
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139. Christina H Ferry

Metabolomic Analysis of Zidovudine (AZT) Induced Hepatotoxicity in Mice

The Pennsylvania State University
Hometown: Bloomsburg, PA
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140. Anteneh Fisseha

Transcriptional Regulation by Subcellular Partitioning of the RNA Polymerase II Elongation Factor ELL

University of Maryland, College Park
Hometown: Fort Washington, MD
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141. Scott A Flipping

Stem Cell Markers in Metastatic Melanoma

University of Maryland Eastern Shore

Hometown: Capitol Heights, MD
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142. Kinisha P Gala

Analysis of Leukemic Cells from Transgenic Mice with Nup98-fusion genes
The College of New Jersey
Hometown: Califon, NJ
Dr. Peter D. Aplan,
Dr. Sheryl Gough, Preceptors
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143. Elizabeth G Gardner

Both CD8+ and CD4+ T Cells Transduced with a CD19 Chimeric Antigen Receptor Eliminate Pediatric Acute Lymphoblastic Leukemia in a Xenograft Model
Medical College of Georgia
Hometown: Savannah, GA
Dr. Daniel Lee, Preceptor
Pediatric Oncology Branch

144. Estela M Gierbolini-Norat

From Molecular Mechanisms to Molecular Cancer Targets: Design and Validation of FISH Clinical Diagnostic Tests for Pediatric Cancer
Pontifical Catholic University of Puerto Rico
Hometown: Bethesda, MD
Dr. Svetlana D. Pack,
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145. Jessica Godbout

The anti-diabetes drug Metformin promotes survivor, proliferation and stemness of human liver label-retaining cancer cells
DeSales University
Hometown: Olney, MD
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146. Meghana A Golla

Immune-PET Imaging of Met Using Radiolabel MetMab for Diagnostic and Prognostic Endpoints
Bellaire High School
Hometown: Bellaire, TX
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147. Adam E Goode

Akt in Tumorigenesis: A Double-Edged Sword

Walt Whitman High School

Hometown: Bethesda, MD

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148. Samantha A Green

Use of disulfide crosslinking approach to study the catalytic cycle of multidrug resistance linked P-glycoprotein (ABCB1)

Emory University

Hometown: Takoma Park, MD

Dr. Jaya Bhatnagar,

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149. Derek L Gritz

PKC β II Regulates Chemoattractant-Induced cAMP Production and Neutrophil Chemotaxis

Winston Churchill High School

Hometown: Bethesda, MD

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150. Nancy J Guan

The effect of miRNAs on the TGF-beta switch

Winston Churchill High School

Hometown: Potomac, MD

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151. Harlington Hanna

Identification of Replication-Initiation Regulatory Proteins

ClarkALC

Hometown: Indiantown, FL

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152. Antoneicka Harris

Study Deleted in Liver Cancer 1 (DLC1) in Genetically Engineered Breast Cancer Murine Models

Jackson State University

Hometown: jackson, MS

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153. Brittany P Hill

Effects of a novel CHK inhibitor AZD7762 in Pediatric Sarcomas
Howard University
Hometown: Stockbridge, GA
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Dr. Lee J. Helman, Preceptors
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154. Kevin J Ho

Regulation of TET2 Gene in Cancer Cells
Wayne State University
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155. Celine Hong

Understanding the effect of transcriptional activity on chromosomal translocations in estrogen regulated genes in breast cancer
The University of Georgia
Hometown: Duluth, GA
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156. Austin C Ikechi

Recognition of Bzip protein degradation pathway using Ubiquitin tagged dominant negatives
University of Maryland
Hometown: Bladensburg, MD
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157. Eseigboria J Ikheloa

The Biochemical Characteristics of the ARF GAP AGAP3
Sherwood High School
Hometown: Olney, MD
Dr. Paul A. Randazzo,
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158. Sowa Y Imoisili

Evaluation of a DNA/RNA dual extraction protocol for FFPE tissue
Centennial High School

Hometown: Ellicott City, MD
Dr. Daniel Edelman,
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159. Ellen Innis

Health Related Quality of Life (HRQOL) in Malignant Glioma Patients Treated With Bevacizumab

College of Charleston
Hometown: Rockville, MD
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160. Ashley Jaeger

Nanofabricated Polymeric Vessel Mimetics for Cancer Cell Culture

Arizona State University
Hometown: Bethesda, MD
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161. Sarah A Jung

Gone Fishin': A Microarray Analysis between Knockout and Wild-type Tumor Progression Locus (Tpl2) Keratinocytes

American University
Hometown: Washington, DC
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162. Richa Kalsi

PI3K Signalling in an Inducible-PTEN Glioma Cell Line

University of Maryland
Hometown: Chevy Chase, MD
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163. Hilary R Keller

Assessing IL-7's requirement for T cell survival by TREC analysis

Johns Hopkins University
Hometown: Ellicott City, MD
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164. Yasmeen H Khan

Seeding density and coating substrate effects on the development of in vitro endothelial permeability assay

Covenant Life School
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Dr. Matthew Rittler, Preceptors
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165. Charles J Koenig

The Search for New Respiratory Chain Complex III Inhibitors by in silico Docking Studies and Experimental Verification by X-ray Crystal Determinations

Poolesville High School
Hometown: Gaithersberg, MD
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166. Abdul Kouanda

Synthesis and structure-based development of novel of BCR-ABL kinase inhibitors

Stony Brook School of Medicine
Hometown: Brooklyn, NY
Dr. Suneet Shukla,
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167. Andrea Kravats

Regulation of E. coli stationary phase sigma factor degradation by adaptor and anti-adaptor proteins

University of Cincinnati
Hometown: Cincinnati, OH
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168. Rebecca P Krosnick

Implementing the Tensor Scale for Use in Medical Imaging

Massachusetts Institute of Technology
Hometown: Montgomery Village, MD
Dr. Robert Miller,
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169. Thy N Le

Optimization of drug loading protocols in lipid-based nanoparticles

Governor Thomas Johnson High School
Hometown: Frederick, MD
Dr. Anu Puri,
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CCR Nanobiology Program

170. Paula J LeBlanc

Imaging cells with ion abrasion scanning electron microscopy: New tools for rapid, automated 3D segmentation

Purdue

Hometown: Allen, TX

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Dr. Gavin Murphy, Preceptors

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171. Richard K Leuchter

Qualitative and quantitative differences in TCR signalling induced by different glycolipid antigens in type I NKT cells

Wesleyan University

Hometown: Los Angeles, CA

Dr. Masake Terabe,

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Vaccine Branch

172. Samuel Li

Functional Characterization of LPAR1 Mutation in Neuroblastoma Patient

Wesleyan University

Hometown: Gaithersburg, MD

Dr. Javed Khan, Preceptor

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173. Yingquan Li

A Patient-Specific Adjustable Mold for Correlating In-Vivo MRI of Prostate Cancer to Histology

University of Maryland

Hometown: Rockville, MD

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Molecular Imaging Program

174. Wenting Ma

Understanding the Mechanism of Multi-Drug Resistance Through Structural Studies of Transmembrane Proteins TMEM205 and P-glycoprotein

Montgomery Blair High School

Hometown: GERMANTOWN, MD

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175. Travis S Marshall

Assessment of collateral sensitivity agents against multidrug resistant cancer cells.

Carroll College

Hometown: Rockville, MD

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176. Mariela R Martinez

Analysis of hematopoiesis in mice that overexpress HoxA9
University of Puerto Rico Mayaguez
Hometown: Mayaguez, PR
Dr. Peter D. Aplan,
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177. Kara M Matsumoto

The Effect of the Overexpression of Human BAG3 on Murine Breast
Maret School
Hometown: Bethesda, MD
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178. Aditya S Mazmudar

Production of a Transgenic Targeting Vector for Tbeta Using Recombineering
Fairfax High School
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179. Claire D McWhite

Activation of Cdk5/p35 pathway by hASH1 in lung cancer
Rice University
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180. Allison M Meadows

Visualizing Protein Interactions in T Cells
University of Virginia
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181. Laura B Minang

Identifying the Resistance Locus in Moloney Murine Leukemia Virus Against the Antiviral Function of Mouse APOBEC3
Hagerstown Community College
Hometown: Hagerstown, MD

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182. Elizabeth L Morse

Effects of Soluble IL-7 Receptor on IL-7 Signaling

Winston Churchill High School

Hometown: Potomac, MD

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183. Christian M Mustroph

Identification of novel Phosphorylation sites of BMI-1

Wake Forest University

Hometown: Silver-Springs, MD

Dr. Jeffrey Green,

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184. Maliza W Namude

Survival Pathways in Rhabdomyosarcoma Cell Growth

Winston Churchill High School

Hometown: Potomac, MD

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185. Isabella F Newton

Identifying Potential Modifier Genes of NF1 MPNSTs Through Examination of Proliferation After RNAi

Governor Thomas Johnson High School

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186. William Q Nguyen

Characterizing the developmental regulation of CASZ1

Thomas Jefferson High School for Science and Technology

Hometown: Vienna, VA

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187. Christopher R Nicoletti

Connecting Ezrin with the Initiation of Protein Translation

University of Miami
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188. Justin G Norden

Ambient Temperature Correlates with Incidence of Non-Hodgkin Lymphoma in the United States

Carleton College
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189. Brian M Ogendi

Development of an oncogene initiated model for liver cancer

Jacksonville State University
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190. Jeanette E Owusu

Development of a Chimeric Antigen Receptor Specific for the FGFR4 Sarcoma Antigen

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191. Ashley Parker

Multiple Inputs For Regulating a Major TranscriptionFactor in E. coli

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192. Daniel N Paz de Araujo

KIR and HLA in Hepatitis C Virus (HCV) Infection

Boston College
Hometown: Colorado Springs, CO
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193. Tuyen N Phung

CASZ1 suppresses tumor growth by restoring Rb activity in G1 and regulating kinases involved in G2/M progression

Massachusetts Institute of Technology

Hometown: Sterling, VA

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194. Jessica N Pixley

The effect of N-glycosylation in recombinant LLC-PK1 cell lines expressing human wild-type and haplotype P-glycoprotein

Northern Virginia Community College

Hometown: Springfield, VA

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195. Jeremy J Puthumana

Identification of Interactors of the Phosphorylated p53 N-terminal Transactivation Domain following Stress

Yale University

Hometown: Morganville, NJ

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196. Jesse R Qualliotine

The effect of HTLV-1 p12/p8 on DNA repair and cell cycle progression

Columbia University

Hometown: Fairfax, VA

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Vaccine Branch

197. Paul Randazzo

The Processing and Trafficking of the Immunoregulatory Protein Granulysin

University of Maryland

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198. Joseph V Reilly

Investigating Met as a Potential Biomarker for Prostate Cancer

College of William and Mary

Hometown: Ashburn, VA

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Urologic Oncology Branch

199. Shyla K Rider

Patterns of Glucocorticoid Receptor Stimulation Impact Circadian Clock

Ohio State University

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200. Tyrell J Russell

Growth Inhibition of Pancreatic Cancer Cells

Suncoast Community High School

Hometown: Gaithersburg, MD

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201. Lola E Saidkhodjaeva, Rebecca X Xi

Defining Molecular Targets in Lung Cancer: Development of Clinical FISH Diagnostic Tests to Support Clinical Trials at NCI

Seneca Valley High School

Thomas S. Wootton High School

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Bethesda, MD

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202. Nicole A Sandoval

Quantification of tamoxifen-DNA adducts in endometrial tissue from Cynomolgus monkeys exposed to tamoxifen and estradiol

California State University Fullerton

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203. Margo I Santiago

CD117 Expression in Adult T-Cell Leukemia/Lymphoma.

St. Mary's College of MD

Hometown: Columbia, MD

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204. Aylin D Sarac

Role of Nuclear Lamins in Regulating Gene Expression and Maintaining Genome Stability

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205. Millie Shah

CD11b+ Monocyte Expression and its Effects on Endothelial Cell Function and Vasculogenesis

Johns Hopkins University
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206. Shaefali Shandilya

Correlating Tumor Dimensions with Overall Survival Time in Diffuse Intrinsic Pontine Glioma Patients

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207. Maggie Shi

Effects of thrombospondin-1 on human monocytic cells

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208. Karen J Shou

Centrosome and Nuclei Orientation During Breast Cancer Cell Migration

Virginia Commonwealth University
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209. Amari T Simpson

Analysis of Ischemic Tissues in PAXgene fixative

Whitney Young Magnet High School
Hometown: Bethesda, MD
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210. Eleanor R Simpson

Nuclear Translocation of expression of glucocorticoid receptor chimera

University of Maryland

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211. Sahib Singh

Role of DAPP1 in Mutant EGFR-driven Lung Cancer

New York University

Hometown: Ardsley, NY

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Medical Oncology Branch and Affiliates

212. Sara H Sirois

BAG3 expression affects ovarian cancer cell sensitivity to chemotherapeutic agents

Smith College

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213. Alison J Smith

A Comparison of Microscopic and Digital Review across HER-2 Sections

Denison University

Hometown: Garrett Park, MD

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Laboratory of Pathology

214. Nicole Smith

The Comparison of Frozen and Formalin-Fixed Tissue for Optimal Recovery of RNA for Microdissection Studies

Arizona State University

Hometown: Goodyear, AZ

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215. Tunde M Smith

The Role of Thrombospondin-1/CD47 Axis on the Regulation of Autophagy

School Without Walls SHS

Hometown: Washington, DC

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216. Xiao Song

Application of Next-Gen Sequencing Analysis in Cancer Research

UNC-Charlotte

Hometown: Troutman, NC

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217. Jigisha Srivastav

Preclinical studies of the combination of the MEK inhibitor AZD6244 and the Endothelin Receptor A inhibitor AZD4054 in ovarian cancer

University of Maryland - College Park

Hometown: Gaithersburg, MD

Dr. Elise C. Kohn,

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218. Bo Sun

New Perspectives in TGF β Signaling in Tumor Cells

Duke University

Hometown: Orlando, FL

Dr. Li Yang, Preceptor

Laboratory of Cancer Biology and Genetics

219. May Y Szeto

Determining the role of Cse4p phosphorylation in S. cerevisiae

University of California Berkeley

Hometown: San Francisco, CA

Dr. Munira Basrai, Preceptor

Genetics Branch

220. Tara Talaie

Elevated Soluble CD40 Ligand in Cancer Patients May Play an Immunosuppressive Role

Virginia Polytechnic Institute and State University

Hometown: Great Falls, VA

Dr. Jianping Huang, Preceptor

Laboratory of Tumor Immunology and Biology

221. Hanson Y Tan

The Involvement of DPEP1 in Anti-tumor Drug Sensitivity in Pancreatic Cancer

Richard Montgomery High School

Hometown: Rockville, MD

Dr. Perwez Hussain,

Dr. Geng Zhang, Preceptors

Laboratory of Human Carcinogenesis

222. Sara Beth Taylor

Molecular mechanisms that restrict mislocalization of histone variant CSE4 to

centromeric DNA to ensure chromosome transmission fidelity

Rhodes College

Hometown: Knoxville, TN

Dr. Munira Basrai, Preceptor

Laboratory of Genetics

223. Kian M Tehranchi

Alteration of Aneuploidy-Induced Gene Expression by Retinoic Acid in Colon Cancer Cells

Winston Churchill High School

Hometown: Potomac, MD

Dr. Eric Cardin, Preceptor

Genetics Branch

224. John Q Tran

Automating the Categorization of H. pylori Morphology

Brown University

Hometown: McLean, VA

Dr. Ding Jin,

Dr. Cedric Cagliero, Preceptors

Gene Regulation and Chromosome Biology Laboratory

225. Mudit Verma, Sydney M Leonard

Investigating p53 Signaling in Mice Embryonic Stem Cells

University of Maryland

Saint Thomas University

Hometown: Clarksburg, MD

Upper Marlboro, MD

Dr. Jing Huang, Preceptor

Laboratory of Cancer Biology and Genetics

226. Lu Wang

Analysis of Bisulfite Conversion Efficiency Using Quantitative PCR

University of Maryland Baltimore County

Hometown: Clarksburg, MD

Dr. Daniel Edelman,

Dr. Holly Stevenson, Preceptors

Genetics Branch

227. Ruoqi Wang

The Function of Glypican-3 in Hepatocellular Carcinoma

Johns Hopkins University

Hometown: San Antonio, TX

Dr. Mitchell Ho,

Dr. Wei Gao, Preceptors

Laboratory of Molecular Biology

228. Ziyao Wang

Screening for Gain-of-Function IL7R mutation in T-ALL mice

Montgomery Blair HS

Hometown: Rockville, MD

Dr. Crystal Mackall, Preceptor

Pediatric Oncology Branch

229. Sam W Wassink

Identifying Potential Modifiers of NF1 MPNSTs

Governor Thomas Johnson High School

Hometown: Frederick, MD

Dr. Karlyne M. Reilly,

Dr. Georgette N. Jones, Preceptors

Mouse Cancer Genetics Program

230. Tiffany K Wong

Impact of Met Mutations in HGF/Met Signaling

Poolesville High School

Hometown: Germantown, MD

Dr. Donald P. Bottaro,

Dr. Young H. Lee, Preceptors

Urologic Oncology Branch

231. Michael Y Xiong

Bone Abnormalities in the DNA Repair and Transcription Disorder Trichothiodystrophy

Alpert Medical School of Brown University

Hometown: Newton, MA

Dr. Kenneth Kraemer, Preceptor

Dermatology Branch

232. Amy Xu

Mechanisms of Ciliary Membrane Transport

Duke University

Hometown: Union City, CA

Dr. Christopher Westlake, Preceptor

Laboratory of Cell and Developmental Signaling

233. James J Yang

A Bioinformatics Approach to Identifying Candidate Transmembrane Proteins for Immunotherapy

Princeton University

Hometown: Naperville, IL

Dr. Javed Khan,

Dr. Rimas Orentas, Preceptors

Pediatric Oncology Branch

234. Yinmeng Yang

Metabolome Signatures of Breast Tumors in African-American and European-American Patients

University of North Carolina at Chapel Hill

Hometown: Albuquerque, NM

Dr. Stefan Ambs, Preceptor

Laboratory of Human Carcinogenesis

National Cancer Institute Division of Cancer Epidemiology and Genetics (NCI-DCEG)

235. Melissa Braganza

Ionizing Radiation and Brain/CNS Tumors: A Complex Relationship

Washington University

Hometown: Dallas, TX

Dr. Preetha Rajaraman, Preceptor

Radiation Epidemiology Branch

236. Nathan R Brand

Functional annotation of prostate cancer associated genetic variants

The Colorado College

Hometown: Minneapolis, MN

Dr. Ludmila Prokunina,

Mr. Mcanthy Tarway, Preceptors

Laboratory of Translational Genomics

237. Evan N Caporaso

Performance Analysis of Life Technologies / Ambion RNA –SEQ Kit for the Personal Genome Machine

University of Maryland

Hometown: Silver Spring, MD

Mr. Joseph Boland, Preceptor

Core Genotyping Facility

238. Joanne Chang

Investigating human herpesvirus 8 infection among adults in Uganda: A factor analysis approach

University of Michigan

Hometown: Ann Arbor, MI

Dr. Sam Mbulaiteye,

Dr. Fatma Shebl, Preceptors

Infections and Immunoepidemiology Branch

239. Caroline G Epstein

Visualizing and Understanding Large Genomic Data Sets

Wake Forest University

Hometown: Inverness, IL

Mr. Kevin Jacobs, Preceptor

Core Genotyping Facility

240. Talia Guardia

Validation and Optimization of Multiplex Bead Assays for Measurement of Cytokines in Human Samples

Barry University

Hometown: Frederick, MD

Dr. Ligia Pinto,

Dr. Troy Kemp, Preceptors

Infections and Immunoepidemiology Branch

241. Shing Han

Spatially Invariant Vector Quantization for Histological Analysis in the BREAST Stamp Project

UMD

Hometown: Gaithersburg, MD

Dr. Gretchen Gierach,

Dr. Stephen Hewitt, Preceptors

Hormonal and Reproductive Epidemiology Branch

242. Demetrice Jordan

Determinants of Organochlorine Pesticides in Homes in Seattle, Detroit, Iowa and Los Angeles County

Georgia State University

Hometown: Rockville, MD

Dr. Mary Ward,

Dr. Curt dellavalle, Preceptors

Occupational and Environmental Epidemiology Branch

243. Michael Kovacs

Identification of PRKARIA as a potential melanoma tumor suppressor functioning through MITF regulation

Washington University in St. Louis

Hometown: Gaithersburg, MD

Dr. Kevin Brown,

Dr. Mai Xu, Preceptors

Laboratory of Translational Genomics

244. Alina Kutsenko

Secondary bladder/benign brain tumors

Weill Cornell Medical College

Hometown: Los Gatos, CA
Dr. Preetha Rajaraman, Preceptor
Radiation Epidemiology Branch

245. Eunah Lee

Variation of normalized CT dose index of the historical and current CT scanners
Richard Montgomery High School
Hometown: Olney, MD
Dr. Choonsik Lee,
Dr. Stephanie Lamart, Preceptors
Radiation Epidemiology Branch

246. Luyang Liu

Exploration of DNA-Protein Interactions within the Promoter Region of the PSCA Gene
Barnard College
Hometown: Gaithersburg, MD
Dr. Ludmila Prokunina,
Dr. Wei Tang, Preceptors
Laboratory of Translational Genomics

247. Wayne T Liu

Predictors of Advanced Stage Papillary Thyroid Tumors
Howard Community College
Hometown: Columbia, MD
Dr. Alice J. Sigurdson,
Dr. Gila I. Neta, Preceptors
Radiation Epidemiology Branch

248. Paige Maas

Absolute Risk Estimation
Johns Hopkins School of Public Health
Hometown: Baltimore, MD
Dr. Nilanjan Chatterjee, Preceptor
Biostatistics Branch

249. Artem Morgun

Development of a Monte Carlo radiation transport code for organ dose calculation in patients undergoing radiography examinations
Taras Shevchenko National University
Hometown: Rockville, MD
Dr. Choonsik Lee, Preceptor
Radiation Epidemiology Branch

250. Elizabeth Mosher

A review of studies on monte carlo simulations of proton therapy beams
Madeira High School

Hometown: Rockville, MD
Dr. Choonsik Lee, Preceptor
Radiation Epidemiology Branch

251. Alexandra E Scott-Johnson

Exploration of Functional Mechanisms that Link the CCNE1 Gene and its Genetic Variants with Risk of Bladder Cancer
Frederick Community College
Hometown: Gaithersburg, MD
Dr. Ludmila Prokunina, Preceptor
Laboratory of Translational Genomics

252. Llewellyn S Smith

Body mass index and lung cancer risk among never, former, and current smokers in the NIH-AARP Diet and Health Study
Walt Whitman High School
Hometown: Bethesda, MD
Dr. Gretchen Gierach, Preceptor
Hormonal and Reproductive Epidemiology Branch

253. Kathleen Tatem

Serum Immunoglobulin Free Light Chain Measurements and Familial Chronic Lymphocytic Leukemia
St. Mary's College of Maryland
Hometown: Kensington, MD
Dr. Neil Caporaso, Preceptor
Genetic Epidemiology Branch

254. Yenny G Webb-Vargas

Temporal association of risk factors and breast cancer incidence
Johns Hopkins School of Public Health
Hometown: Baltimore, MD
Dr. Ruth Pfeiffer, Preceptor
Biostatistics Branch

255. Jeannette Wong

Risk of second cancer related to chemotherapy and radiation treatment in long-term survivors of retinoblastoma
Washington University in St. Louis
Hometown: Washington, DC
Ms. Ruth Kleinerman, Preceptor
Radiation Epidemiology Branch

National Center for Complementary and Alternative Medicine (NCCAM)

256. Diana D Jing

The epigenetic effects of Zebularine and Phenylbutarate on human primary retinal pigmented epithelium cells

Wellesley College

Hometown: Rockville, MD

Dr. Wei Lai, Preceptor

Laboratory of Clinical Investigation

257. Diana D Jing

The epigenetic effects of Zebularine and Phenylbutarate on human primary retinal pigmented epithelium cells

Wellesley College

Hometown: Rockville, MD

Dr. Baoying Liu, Preceptor

Laboratory of Clinical Investigation

258. Lucy Tan

The effect of Dexmethasone on human and murine monocyte cell lines

Poolesville High School

Hometown: Gaithersburg, MD

Dr. Baoying Liu, Preceptor

Laboratory of Clinical Investigation

National Eye Institute (NEI)

259. Willie Carter III

7 Ketocholesterol induced angiogenesis: a model for oxidized lipids toxicity.

Towson University

Hometown: Mendenhall, MS

Dr. Juan Amaral,

Dr. Ignacio R. Rodriguez, Preceptors

Laboratory of Retinal Cell and Molecular Biology

260. Megan S Casady

The Effect of Immunosuppression on Human Monocytes

Virginia Polytechnic Institute and State University

Hometown: Silver Spring, MD

Dr. Baoying Liu,

Dr. Robert Nussenblatt, Preceptors

Laboratory of Immunology

261. Candice Craig

Primer walk to determine the breakpoints of exonal deletions in the RSI gene in patients with the Juvenile Retinoschisis

University of Maryland, Baltimore County

Hometown: Laurel, MD

Dr. Xinjing Wang, Preceptor

Ophthalmic Genetics and Visual Function Branch

262. Alecia Gibson

Tracking Interleukin-17 Producing Cells in Experimental Autoimmune Uveitis

George Mason University

Hometown: Annandale, VA

Dr. Reiko Horai, Preceptor

Laboratory of Immunology

263. Blen Girmay

*HLA-A*29:02 Associated Spontaneous Retinopathy in "Humanized" Mice*

University of Maryland, Baltimore County

Hometown: Montgomery Village, MD

Dr. Mary Mattapallil, Preceptor

Laboratory of Immunology

264. Stephane A Guerrier

Isolation and Characterization of Two Isoforms of PEDF

Cornell University

Hometown: Rockville, MD

Dr. Sofia P. Becerra, Preceptor

Laboratory of Retinal Cell and Molecular Biology

265. Sana Idrees

In vivo Role of NRL in Retinal Degeneration

The George Washington University

Hometown: Fairfax, VA

Dr. Hong Hao,

Dr. Anand Swaroop, Preceptors

Neurobiology Neurodegeneration & Repair Laboratory

266. Bryan C Kuo

Stearoyl-Coenzyme A Desaturase 1 Activity in Human Retinal Pigment Epithelial Cells

Johns Hopkins University

Hometown: Germantown, MD

Dr. Michael Redmond,

Mr. Todd Duncan, Preceptors

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267. Athenais C Lapeyre

Clinical and Molecular Studies of Uveal Coloboma

Stone Ridge School of the Sacred Heart
Hometown: Bethesda, MD
Dr. Brian P. Brooks,
Dr. Ramakrishna P. Alur, Preceptors
Ophthalmic Genetics and Visual Function Branch

268. Teresa Longo

The Ciliopathy Protein CC2D2A is Essential in Eye Development and Left-Right Asymmetry

University of Maryland
Hometown: Germantown, MD
Dr. Shobi Veleri, Preceptor
Neurobiology Neurodegeneration & Repair Laboratory

269. Chang (Anna) Lu

Crystalline Gene Expression and Regulation to Optic Nerve Crush in Mouse

Montgomery Blair
Hometown: Rockville, MD
Dr. Zhiwei Ma,
Dr. Fielding Hejtmancik, Preceptors
Ophthalmic Genetics and Visual Function Branch

270. Bianca Martinez

Modulating RPE65 Activity

Williams College
Hometown: miami, FL
Dr. Eugenia Poliakov,
Dr. Bianca Martinez, Preceptors
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271. Sarah Mattessich

Effects of Sterculic Acid on Neovessel Regression in a Laser-Induced CNV Model

Worcester Polytechnic Institute
Hometown: Woodbridge, CT
Dr. Juan Amaral,
Dr. Ignacio R. Rodriguez, Preceptors
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272. Esam Mobaraki

Protein Expression Analyses in Tissues from gene targeted

Winston Churchill High School
Hometown: potomac, MD
Dr. Tiansen Li, Preceptor
Neurobiology Neurodegeneration & Repair Laboratory

273. Cydney B Nguyen

Overexpression of ACAT1 in cultured human RPE cells.

Richard Montgomery HS

Hometown: Germantown, MD

Dr. JUNG WHA LEE,

Dr. IGNACIO R. RODRIGUEZ, Preceptors

Laboratory of Retinal Cell and Molecular Biology

274. Sharon Ong

Histaminergic centripetal axons in the ground squirrel retina -- hotlines for the brain to talk to the eye during hibernation?

Winston Churchill High School

Hometown: Potomac, MD

Dr. Wei Li, Preceptor

Unit on Retinal Neurophysiology

275. Philip Petrou

A Pilot Study for the Evaluation of Minocycline as a Microglia Inhibitor in the Treatment of Diabetic Macular Edema

Mount Sinai School of Medicine

Hometown: Bethesda, MD

Dr. Wai Wong, Preceptor

Unit on Neuron-Glia Interactions in Retinal Disease

276. Katherine L Pogrebniak

Molecular modeling of transmembrane regions and nucleotide binding domains of the ABCA4 transporter protein

Princeton University

Hometown: Jacksonville, FL

Dr. Yuri Sergeev, Preceptor

Ophthalmic Genetics and Visual Function Branch

277. Mariana Rius

Effect of Sodium Hypochlorite on Bacterial Colony Counts of Zebrafish Embryos

College of Charleston

Hometown: Rockville, MD

Dr. James M. Raber,

Dr. Robert H. Weichbrod, Preceptors

Veterinary Research and Resources Section

278. Ragha V Suresh

Central Kinetic Perimetry in Patients with Advanced Retinitis Pigmentosa: Correlation of Psychophysical and Electrophysiologic Findings with Rate of Progression

Freehold High School

Hometown: Manalapan, NJ

Dr. Brian P. Brooks,

Dr. Wadiah M. Zein, Preceptors

Ophthalmic Genetics and Clinical Services Branch

279. Laurenda E Tettegah

Comparison of expression of RPE markers in bovine native RPE, primary cultures, and the ARPE19 cell line.

Prince Georges Community College

Hometown: Hyattsville, MD

Dr. T. M. Redmond, Preceptor

Laboratory of Retinal Cell and Molecular Biology

280. Jadir M Vieira

A visual stimulus generation program for retina research

Florida Atlantic University

Hometown: Coral Springs, FL

Dr. Wei Li, Preceptor

Unit on Retinal Neurophysiology

281. Eve G Waters

Research and management implications of Pseudoloma neurophilia and Mycobacterium sp. infections in zebrafish

Cornell University

Hometown: Silver Spring, MD

Dr. James M. Raber,

Dr. Robert H. Weichbrod, Preceptors

Veterinary Research and Resources Section

282. Grace B Woo

Study of the effects of PEDF in cone-photoreceptor cells: Insights into its mechanism of action

Irvine Valley College

Hometown: Tustin, CA

Dr. Patricia Becerra,

Dr. Preeti Subramanian, Preceptors

Laboratory of Retinal Cell and Molecular Biology

283. Alan R Xie

Efficiency of iPS cell induction from mouse lens epithelial cells versus fibroblasts and subsequent guided differentiation toward lens epithelial lineage

Richard Montgomery High School

Hometown: North Potomac, MD

Dr. Lijin Dong, Preceptor

Laboratory of Retinal Cell and Molecular Biology

284. George Q Zhang

Microsatellite Panel Test for Human Diseases

Magruder High School

Hometown: Derwood, MD
Dr. Lin Li,
Dr. Fielding Hejtmancik, Preceptors
Ophthalmic Genetics and Visual Function Branch

National Heart, Lung, and Blood Institute (NHLBI)

285. Oleg Andreyev

Fatty Acid Metabolic Gene Expression in Human MSC's
University of Pittsburgh
Hometown: ROCKVILLE, MD
Dr. Keith Horvath,
Dr. Suna Wang, Preceptors
Cardiothoracic Surgery Research

286. Avan Antia

Late Effects of Hematopoietic Stem Cell Transplants
Thomas S. Wootton High School
Hometown: North Potomac, MD
Dr. Mino Battiwalla, Preceptor
Hematology Branch

287. Ashley Arnoldi

Investigating mitochondrial biogenesis during Drosophila embryogenesis
Kalamazoo College
Hometown: Twin Lake, MI
Dr. Hong Xu,
Dr. Jadhav Hill, Preceptors
Genetics and Development Biology Center

288. Elise K Benjamin

Nutrition in Sickle Cell Disease
Homeschool
Hometown: Gaithersburg, MD
Dr. Matthew Hsieh, Preceptor
Hematology Branch

289. David J Caldwell

Kinetics and Mechanics of Myosin VII: Analysis with Single Molecule Techniques
University of Michigan
Hometown: Birmingham, MI
Dr. Yasuharu Takagi, Preceptor
Laboratory of Molecular Physiology

290. Caroline Canning

Characterization of Mitochondrial Calcium Channel

University of Michigan

Hometown: Washington, DC

Dr. Toren Finkel, Preceptor

Translational Medicine Branch

291. Vivienne L Chen

Long-range chromatin interactions between promoters enhance gene transcription

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Gang Wei, Preceptor

Laboratory of Molecular Immunology

292. Kevin Cheng

Genetic Origins of Andean Adaptation to Chronic Mountain Sickness

Walt Whitman High School

Hometown: Bethesda, MD

Dr. Matthew Hsieh, Preceptor

Hematology Branch

293. Jason H Choi

Characterization of the Organization of Nonmuscle Myosin IIb Minifilaments

University of Pennsylvania

Hometown: Boyds, MD

Dr. James R. Sellers,

Dr. Attila Nagy, Preceptors

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294. Kyujoo Choi

Expansion of human hematopoietic stem cells is amplified by StemRegenin1 in hypoxic conditions

University of Maryland College Park

Hometown: Silver Spring, MD

Dr. Andre Larochelle, Preceptor

Hematology Branch

295. Natalya K Diaz

Differential Changes in Expression of Leukocyte Cell-Derived Chemotaxin 2 (LECT2) in Mice following Drug-Induced Liver Injury.

College of William and Mary

Hometown: Alexandria, VA

Dr. William R. Proctor, Preceptor

Laboratory of Molecular Immunology

296. Victor A Dzikunu

HPLC Analysis and Purification of Dendrimer precursors

Gaithersburg High School
Hometown: Gaithersburg, MD
Dr. Gary Griffiths, Preceptor
Imaging Probe Development Center

297. Idana C Espinoza

The Nutrition Academic Award Curriculum Guide, Phase II: Feedback and First Steps Towards Revision.

University of Colorado Denver
Hometown: Denver, CO
Dr. Charlotte Pratt, Preceptor
Division of Prevention and Population Sciences

298. Amanda Ferguson

The Effects of Cyclosporine A on Post-Translational Modifications of Mitochondrial Proteins: Implications for Cardiac Ischemia/Reperfusion Injury

University of California, Davis
Hometown: Davis, CA
Dr. Elizabeth Murphy, Preceptor
Cardiovascular Branch

299. Lichy Han

Identifying the Urea-Channel Complex in Renal Cells Using Mass Spectrometry

Johns Hopkins University
Hometown: Baltimore, MD
Dr. Mark Knepper, Preceptor
Laboratory of Kidney and Electrolyte Metabolism

300. John J Hatch

Venous Fate and Patterning in Developing Vasculature

University of Virginia
Hometown: Arlington, VA
Dr. Yosuke Mukoyama,
Dr. Wenling Li, Preceptors
Genetics and Development Biology Center

301. Jennifer C Huling

Transcriptomic and Proteomic Databases for Renal Physiology

University of Pittsburgh
Hometown: Mechanicsburg, PA
Dr. Mark A. Knepper, Preceptor
Laboratory of Kidney and Electrolyte Metabolism

302. Kevin W Huo

Expression of Phosphodiesterase3 (PDE3) in MCF-7 cells

Thomas Jefferson High School for Science and Technology
Hometown: Great Fall, VA
Dr. Vincent Manganiello,
Dr. Youn W. Chung, Preceptors
Cardiovascular Branch

303. Radoslaw A Junka

The effect of substrate stiffness on cerebellar neurite outgrowth
Stevens Institute of Technology
Hometown: Union, NJ
Dr. Herbert M. Geller, Preceptor
Developmental Neurobiology Section

304. Sameena Khan

Whole Blood miRNA Expression Profiles in Sickle Cell Anaemia
University College Dublin
Hometown: Potomac, MD
Dr. James Taylor, Preceptor
Pulmonary and Vascular Medicine Branch

305. Kurtis H Kieseewetter

Global Identification of Novel Polyadenylation in Human T-Cells
University of Maryland
Hometown: North Potomac, MD
Dr. Jun Zhu, Preceptor
Genetics and Development Biology Center

306. Johanna I Klinman

The Role of the Parathyroid Hormone in Stem Cell Mobilization
Winston Churchill High School
Hometown: Potomac, MD
Dr. Robert E. Donahue, Preceptor
Hematology Branch

307. Johanna I Klinman

The Microarray Signature of CD34+CD123(IL-3 Receptor)+ Hematopoietic Stem/Progenitor Cells Isolated Following Mobilization with Plerixafor
Winston Churchill High School
Hometown: Potomac, MD
Dr. Robert E. Donahue,
Dr. Ping Jin, Preceptors
Hematology Branch

308. Allen M Lee

Targeting Systemic Metabolism - the application of tandem shRNA to silence specific gene expression(s) within the liver

Palo Alto High School
Hometown: Palo Alto, CA
Dr. Ping Li,
Dr. Haiming Cao, Preceptors
Translational Medicine Branch

309. Daniel Lewes

Preparation and Characterization of Functionalized Liposomes for Cancer Imaging and Treatment Study

University of Maryland
Hometown: Rockville, MD
Dr. Haitao Wu,
Dr. Gary Griffiths, Preceptors
Imaging Probe Development Center

310. Jonathan C Lin

Effectiveness of a Worksite Wellness Program on Nutritional Intake, Adiposity, Exercise Fitness, Insulin Sensitivity, and Lipids in Overweight and Obese Women

Cornell University
Hometown: San Marino, CA
Dr. Richard O. Cannon III, Preceptor
Cardiovascular Branch

311. Kirsten A LoGrande

Claudin-2 C-Terminal Tail is Multiply Phosphorylated

University of North Carolina at Chapel Hill
Hometown: Timonium, MD
Dr. James M. Anderson,
Dr. Christina M. Van Itallie, Preceptors
Laboratory of Cell and Tissue Morphodynamics

312. Henry Mark

S-Nitrosylation of Mitochondrial Proteins

The Good Hope School
Hometown: Frederiksted, VI
Dr. Elizabeth Murphy, Preceptor
Translational Medicine Branch

313. Kendall M Masada

Characterization of the Interaction of Sorting Nexin 27 with Zona Occludens and Claudin Proteins in Kidney Epithelial Cells

Westwood High School
Hometown: Takoma Park, MD
Dr. Sharon Milgram,
Dr. Martin Playford,

Seth Zimmerman, Preceptors
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314. Stephen D Nicewarner

Testing of Potential Probes for Lysosomal Targeting

University of Maryland College Park

Hometown: Frederick, MD

Dr. Gary Griffiths,

Dr. Biying Xu, Preceptors

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315. Michael T Nolte

A Systems Biology Approach to Heart Development in Drosophila

University of Notre Dame

Hometown: Whitefish Bay, WI

Dr. Alan M. Michelson,

Dr. Brian W. Busser, Preceptors

Genetics and Development Biology Center

316. Taiye M Oladipo

NHLBI Physical Activity Research Portfolio: Exploring Gaps - Identifying opportunities

Florida International University

Hometown: Douglasville, GA

Dr. Josephine Boyington, Preceptor

Clinical Applications and Prevention Program

317. Simona Patange

The role of mucopolins in the regulation of endocytic trafficking pathways

Portland State University

Hometown: Portland, OR

Dr. Rosa Puertollano-Moro, Preceptor

Laboratory of Cell Biology

318. Steven Rapp

Gone Fishing for CD34+ CD123+ Cells

Virginia Tech

Hometown: Germantown, MD

Dr. Robert E. Donahue, Preceptor

Hematology Branch

319. Amaryllis Ruiz

The Direct Interaction Between Sorting Nexin 27 and Beta Catenin in MpkCcd Cells

Montgomery College

Hometown: Silver Spring, MD

Dr. Sharon Milgram, Preceptor

Laboratory of Kidney and Electrolyte Metabolism

320. David Shou

Culture of Pig Induced Pluripotent Stem Cells

Duke University

Hometown: Gaithersburg, MD

Dr. Yifu Zhou, Preceptor

Cardiothoracic Surgery Research

321. Sara A Sun

Tuning Myosin Processivity: A Single Molecule Approach

University of California-Berkeley

Hometown: Berkeley, CA

Dr. James R. Sellers,

Dr. Yasuharu Takagi, Preceptors

Laboratory of Molecular Physiology

322. Yu Tian

Comparisons between Human and Non-Human Primate CD34+CXCR4+ MicroArray Signatures

Wootton High School

Hometown: North Potomac, MD

Dr. Robert E. Donahue, Preceptor

Hematology Branch

323. Thanhlong G Tran

Effect of Testing During Light Versus Dark Period on Performance of Forced Treadmill Testing in Laboratory Mice

UMBC

Hometown: Germantown, MD

Dr. Danielle Springer, Preceptor

Laboratory of Animal Surgery

324. Wasnard Victor

Comparison of Nitric Oxide Scavenging by Cell-free Hemoglobin versus Heme in Sickle Cell Disease

SUNY Upstate Medical University

Hometown: Westbury, NY

Dr. Gregory Kato, Preceptor

Cardiovascular Pulmonary Branch

325. Victoria Wang

Self-guided Langevin Dynamics Simulations of Proteins Using Implicit Solvent Models

Washington University in St. Louis

Hometown: Fairfax, VA

Dr. Xiongwu Wu,

Dr. Bernard Brooks, Preceptors

Laboratory of Computational Biology

326. Mashhood M Wani

TGF β 1-dependent Smad function in Vascular Smooth Muscle Cells

Thomas S. Wootton High School

Hometown: Gaithersburg, MD

Dr. Manfred Boehm, Preceptor

Translational Medicine Branch

327. Lauren Webster

Drosophila mitochondrial DNA dynamics during development

University of Virginia

Hometown: Arlington, VA

Dr. Hong Xu, Preceptor

Genetics and Development Biology Center

328. Laura K Wiles

Imprinting Multilayer X-ray Grating Structures onto an Epoxy Substrate

Clemson University

Hometown: Wendell, NC

Dr. Han Wen,

Dr. Robert Lutz, Preceptors

Translational Medicine Branch

329. Danielle C Wolin

Modulating the glycosylation state of NK cell adhesion molecules as a method to target NK cells to the bone marrow microenvironment.

Sanford H. Calhoun

Hometown: Merrick, NY

Dr. Richard Childs, Preceptor

Hematology Branch

330. Ryan Xiao

Is Mitochondrial Respiration Necessary for Cancer Cell Growth?

University of Kansas

Hometown: Potomac, MD

Dr. Paul Hwang,

Dr. Cory Lago, Preceptors

Translational Medicine Branch

331. Yiyi Zhang, Jessica J Yang

Exploring the Binding Partners of Unique Domains on MLCK3

Richard Montgomery High School

Richard Montgomery High School

Hometown: Rockville, MD

Germantown, MD

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Dr. Shahin Hassanzadeh, Preceptors
Laboratory of Molecular Cardiology

National Human Genome Research Institute (NHGRI)

332. Hamdi I Abdi

Genetics Perceptions of Podoconiosis in Rural Ethiopia

George Mason University

Hometown: Burke, VA

Dr. Colleen McBride, Preceptor

Social and Behavioral Research Branch

333. David S Accame

Identification of Active Retrotransposons in the Human Genome Through Targeted RNA-Seq

University of Maryland

Hometown: Bethesda, MD

Dr. Shurjo K. Sen, Preceptor

Genetic Disease Research Branch

334. Yonit A Addissie

To test or not to test: Exploration of factors that influence the decision to utilize genetic services

Princeton University

Hometown: Silver Spring, MD

Mr. Donald W. Hadley,

Dr. Laura M. Koehly, Preceptors

Social and Behavioral Research Branch

335. Dana Alsaadi

Assessment of differential gene expression in ovarian tumor subtypes

Georgetown University

Hometown: Fairfax, VA

Dr. Laura L. Elnitski, Preceptor

Genome Technology Branch

336. Sarah Q Andrews

Characterization of a neuronal cell model to study the association between Gaucher disease and Parkinson disease

Walter Johnson High School

Hometown: Garrett Park, MD

Dr. Arash Velayati, Preceptor

Medical Genetics Branch

337. Afsoon A Anvari

Molecular analysis of a novel mutation in a patient with type 2 Gaucher disease

College of William and Mary

Hometown: Reston, VA

Dr. Nahid Tayebi, Preceptor

Medical Genetics Branch

338. Olubukola O Ayeni, Allyce N Caines

A systematic review and quality assessment of sickle cell trait and clinical complications

Howard University College of Medicine

SUNY Upstate Medical University

Hometown: Richmond, VA

Alexandria, VA

Mr. Vence Bonham, Preceptor

Social and Behavioral Research Branch

339. Daniela N Cangelosi

Comparison of the Safety of Different Internal Promotors within Self-Inactivated Lentivirus Vectors

Our Lady of Good Counsel High School

Hometown: Olney, MD

Dr. Yasuhiro Ikawa, Preceptor

Genetics and Molecular Biology Branch

340. Jen-Wei Chu

Exploration of inner ear hair cell regeneration using tol2 mediated transgenesis in zebrafish

Northwestern University

Hometown: North Potomac, MD

Dr. Gaurav Varshney, Preceptor

Genome Technology Branch

341. Taylor R Davis, David J Winer

First dominant genetic disorder of lysosomal-related organelle biogenesis is identified by whole-exome sequencing a four person pedigree

Yale University

Brown University

Hometown: McLean, VA

Bethesda, MD

Dr. William A. Gahl,

Dr. Thomas C. Markello, Preceptors

Medical Genetics Branch

342. Julia L Dohner

Establishment of Models for Gene Therapy of Primary Immunodeficiency Diseases

Georgetown Day School
Hometown: Bethesda, MD
Dr. Robert Sokolic,
Ms. Karen Simon, Preceptors
Genetics and Molecular Biology Branch

343. Sydney C Dubois

The role of Cbfb-Myh11 after leukemic initiation

Ecole Normale Supérieure de Lyon
Hometown: Potomac, MD
Dr. Katherine Hyde, Preceptor
Genetics and Molecular Biology Branch

344. Zenaida N Enchill

Dissecting the Role of Multimerization Domain of Oncoprotein CBFb-MYH11 During Leukemogenesis

Charles Flowers High School
Hometown: Bowie, MD
Dr. Ling Zhao, Preceptor
Genetics and Molecular Biology Branch

345. Yue R Gao

Identifying the role of MST2 in the mouse liver

University of Maryland College Park
Hometown: Bethesda, MD
Dr. Yingzi Yang,
Dr. Melissa Kelly, Preceptors
Genetic Disease Research Branch

346. Thai C Khuc

Identification of FDA compounds that inhibit the HIF-1 signaling pathway

University of Maryland
Hometown: Fulton, MD
Dr. Menghang Xia, Preceptor
NIH Chemical Genomics Center

347. Claudia Landazabal

The evaluation of glucocerebrosidase in a mouse model of Parkinson's disease

Washington University in St. Louis
Hometown: Arlington, VA
Dr. Elma Aflaki,
Dr. Ellen Sidransky, Preceptors
Medical Genetics Branch

348. Sophia Mendelson

Understanding the distinct obesity phenotype of methylmalonic acidemia and its

biochemical correlates

Maret School

Hometown: Hyattsville, MD

Dr. Irini Manoli,

Dr. Charles Venditti, Preceptors

Genetics and Molecular Biology Branch

349. Lucas T Morrison

Cytogenetic Study of a Patient with Smith-Magenis Syndrome

Bethesda-Chevy Chase High

Hometown: Bethesda, MD

Dr. Amalia Dutra, Preceptor

Genetic Disease Research Branch

350. Josephine Sanchez, Mohsinah Usmani

Exploring Breast Cancer Screening Encouragement and Discouragement within Mexican American Families

Towson University

Vanderbilt University

Hometown: Gaithersburg, MD

Bartlett, TN

Dr. Laura M. Koehly,

Dr. Andrea Goergen, Preceptors

Social and Behavioral Research Branch

351. Alexandra J Scott

Functional analysis of synonymous mutations that affect splicing in the CFTR gene

University of Virginia

Hometown: McLean, VA

Dr. Laura L. Elnitski, Preceptor

Genome Technology Branch

352. Marcus H Stoiber

Accurate Detection of Medium to Large Sized Deletions from Illumina Paired-End Sequence Data

Johns Hopkins University

Hometown: Washington, DC

Dr. Elliott H. Margulies, Preceptor

Genome Technology Branch

353. Jordan E Terry

Whole exome sequence analysis in a patient with combined malonic and methylmalonic aciduria and her parents

Prince George's Community College

Hometown: Clinton, MD

Dr. Jennifer Sloan, Preceptor

Genetics and Molecular Biology Branch

354. Melissa B Truong

Identification of the transgene integration site in a mouse model of Hutchinson-Gilford progeria syndrome

University of Maryland

Hometown: North Potomac, MD

Dr. Amanda J. DuBose, Preceptor

Genome Technology Branch

355. Susan Whitehouse

Characterization of metastasis suppressor gene, RRP1B, on gene expression and chromatin structure

Texas Tech University

Hometown: Bethesda, MD

Dr. Nigel Crawford, Preceptor

Cancer Genetics Branch

356. You Wu

Functional Studies of PSMB4 Mutations Associated with CANDLER (Chronic Atypical Neutrophilic Dermatitis with Lipodystrophy and Elevated temperature)

Walter Johnson High School

Hometown: Kensington, MD

Dr. Jae Jin Chae, Preceptor

Medical Genetics Branch

357. Rhea Wyse

Gene Expression of selected genes using RT-PCR from Type 2 Diabetes/Obesity samples

James Hubert Blake High school

Hometown: Silver Spring, MD

Dr. Ayo Doumatey, Preceptor

Inherited Disease Research Branch

358. Conway Xu

Analysis of Hypoxia-Inducible Factors and Peroxisome Proliferator-Activated Receptors in Cobalamin Assimilation Gene Regulation

California Institute of Technology

Hometown: Potomac, MD

Dr. Charles Venditti,

Dr. Laura L. Elnitski, Preceptors

Genetics and Molecular Biology Branch

359. Charles D Yeh

The Clinical Spectrum of Hermansky-Pudlak Syndrome

University of Maryland, Baltimore County

Hometown: Derwood, MD

Dr. Bernadette Gochuico, Preceptor
Medical Genetics Branch

360. Lily Zheng

Sensitivity of DNA Damage Repair Deficient Chicken DT40 Mutants to Putative Genotoxins

Winston Churchill High School
Hometown: Potomac, MD
Dr. Kyungjae Myung, Preceptor
Genetics and Molecular Biology Branch

National Institute of Allergy and Infectious Diseases (NIAID)

361. Jennifer Abbott

Cryptococcus neoformans: Susceptibilities to Antifungals
Northern Virginia Community College
Hometown: Arlington, VA
Dr. Yoon-Dong Park,
Dr. Brian Janelsins, Preceptors
Laboratory of Clinical Infectious Diseases

362. JoLynn R Azure

Fine epitope mapping of monoclonal antibodies raised against noroviruses major capsid protein
University of North Dakota
Hometown: Minot, ND
Dr. Gabriel Parra,
Dr. Kim Green, Preceptors
Laboratory of Infectious Diseases

363. James T Brown

Investigation of the Recycling of the Major Anthrax Receptor, CMG2
University of Maryland
Hometown: Bethesda, MD
Dr. Stephen Leppla,
Dr. Shihui Liu, Preceptors
Laboratory of Bacterial Diseases

364. Thomas Byun

Efficient Gene Correction of Human p47phox Deficient Patient's HSC Using HIV-Lentiviral Vector.
Montgomery Blair High School
Hometown: Potomac, MD
Dr. Uimook Choi, Preceptor

Laboratory of Host Defenses

365. Conor A Callahan

Predicting Insulinitis Scores By Measuring Insulin Auto-Antibody Levels in NOD Mice

Magruder High School

Hometown: Olney, MD

Dr. Michael J. Lenardo, Preceptor

Laboratory of Immunology

366. Katherine G Chen

Chemokine Induction of Biofilm in Staphylococcus aureus

University of California, Berkeley

Hometown: Fremont, CA

Dr. Philip Murphy, Preceptor

Laboratory of Molecular Immunology

367. Camila M Chile

Characterizing the genes involved in regulating Plasmodium falciparum gametocyte production

Gaithersburg High School

Hometown: Rockville, MD

Dr. Kim Williamson, Preceptor

Laboratory of Malaria and Vector Research

368. Daniel G Eichberg

Purification and Biological Characterization of Fusion Interferons

Cornell University

Hometown: Potomac, MD

Dr. Kathryn Zoon, Preceptor

Cytokine Biology Section

369. Drew A Emge

The Respiratory Syncytial Virus F-glycoprotein is Sialylated

Michigan State University College of Human Medicine

Hometown: Grand Rapids, MI

Dr. Barney Graham,

Dr. Azad Kumar, Preceptors

Infectious Diseases Pathogenesis Branch

370. Orly N Farber

Allergic Responses in Patients with Autosomal Dominant Hyper-IgE Syndrome

Charles E. Smith Jewish Day School

Hometown: Rockville, MD

Dr. Andrea M. Siegel,

Dr. Josh D. Milner, Preceptors

Laboratory of Allergic Diseases

371. Madeline Fasen

Characterization of Yersinia pestis Factors Upregulated in the Flea Vector and the Mammalian Host Immune Response

Idaho State University

Hometown: Boise, ID

Dr. Justin Spinner, Preceptor

Laboratory of Zoonotic Pathogens

372. Jue L Fong

Genetic Mutations in Episodic Angioedema and Eosinophilia

Walt Whitman High School

Hometown: Bethesda, MD

Dr. Amy D. Klion, Preceptor

Laboratory of Parasitic Diseases

373. Rebecca W Gao

Specificity of Regulator of G-protein Signaling Recruitment to Heterotrimeric G-protein by Bioluminescence Resonance Energy Transfer

University of Southern California

Hometown: Fremont, CA

Dr. John H. Kehrl,

Dr. Cedric Boullaran, Preceptors

Laboratory of Immunoregulation

374. Xiangxi Gao

Identifying Interacting Partners Involved in Internalization of CXCR4 Chemokine Receptor 4 and Other Mutant Forms Relevant to WHIM Syndrome

Walter Johnson High School

Hometown: Bethesda, MD

Dr. David McDermott,

Dr. Philip Murphy, Preceptors

Laboratory of Molecular Immunology

375. Javon K Goard

Determination of Viral Replication and APOBEC Cellular Expression and Viral Packaging in the Presence of Wild-Type and Mutant HIV-1 Strains

Potomac High School

Hometown: Temple Hills, MD

Dr. Robert C. Walker,

Dr. Klaus Strebel, Preceptors

Laboratory of Molecular Microbiology

376. Eric J Harrison

Methods to Improve Accessibility of Biomolecular Information

Poolesville High School

Hometown: Germantown, MD
Dr. Martin Meier-Schellersheim,
Mr. Fengkai Zhang, Preceptors
Program in Systems Immunology and Infectious Disease Modeling

377. Lev Z Heller

Methylation of STAT1 protein affects IFN signaling

Montgomery College

Hometown: Silver Spring, MD

Dr. Elizabeth Sampaio,

Dr. Steven Holland, Preceptors

Laboratory of Clinical Infectious Diseases

378. Samuel J Hendel

Genetic Deletion of Ccr7 Increases Atherogenesis in ApoE-deficient Mice

Thomas S. Wootton HS

Hometown: Bethesda, MD

Dr. Wuzhou Wan,

Dr. Philip M. Murphy, Preceptors

Laboratory of Molecular Immunology

379. Andrew J Hsu

Identifying markers of malaria infectivity

Brown University

Hometown: Washington, DC

Dr. Kim Williamson, Preceptor

Laboratory of Malaria and Vector Research

380. Max K Hu

STAT1 Mutations: Mycobacterial vs. Fungal Infection

University of Maryland College Park

Hometown: Gaithersburg, MD

Dr. Elizabeth Sampaio,

Dr. Li Ding, Preceptors

Laboratory of Clinical Infectious Diseases

381. Eric Huang

Acquisition of B cell sub-lines by knocking down the expression of SAP97 using RNAi technology

Montgomery Blair High School

Hometown: Potomac, MD

Dr. Wanli Liu, Preceptor

Laboratory of Immunogenetics

382. Meghna Khosla

Process Development of a Novel Malaria Vaccine

Thomas Jefferson High School for Science and Technology
Hometown: Fairfax, VA
Mr. Richard L. Shimp, Preceptor
Malaria Vaccine Development Branch

383. Daniel Kim

Analysis of T-Cell Self Recognition Using Specific Antibodies for Phosphoprotein Detection

Hammond High School
Hometown: Laurel, MD
Dr. Joao P. Monteiro,
Dr. Ronald N. Germain, Preceptors
Laboratory of Immunology

384. Alex J Klimerman

The Impact of Granulibacter Bethesdaensis on Neutrophil Apoptosis

Horace Mann school
Hometown: New York, NY
Dr. Jessica Chu, Preceptor
Laboratory of Host Defenses

385. Lydia Koroshetz

Toxoplasma gondii Infection is Uniformly Fatal in Ccr7 Knockout Mice

Walt Whitman High School
Hometown: Bethesda, MD
Dr. Philip Murphy,
Dr. Ana Paula Marino, Preceptors
Laboratory of Molecular Immunology

386. William C Kovacs

Activation of N-formyl peptide receptors inhibits LPS-induced TNF α production in human monocytes

Washington University
Hometown: Potomac, MD
Dr. Jiliang Gao, Preceptor
Laboratory of Molecular Immunology

387. Eunjae Lee

In Vitro Responses of Human Microvascular Endothelial Cells to Soluble and Crystalline Uric Acid

Winston Churchill High School
Hometown: Bethesda, MD
Dr. Rick M. Fairhurst,
Ms. Neida Mita-Mendoza, Preceptors
Laboratory of Malaria and Vector Research

388. Shaine Leibowitz

Heterozygous Stat-1 Mutations and Mycobacterial Disease

The Meadows School

Hometown: Las Vegas, NV

Dr. Elizabeth Sampaio,

Dr. Steven Holland, Preceptors

Laboratory of Clinical Infectious Diseases

389. Hsin Chih (Liz) Liu

Differential Regulation of Murine let-7 Family Members by lin28

Georgetown University

Hometown: Poughkeepsie, NY

Dr. Stefan Muljo,

Dr. Joan Yuan, Preceptors

Laboratory of Immunology

390. Dara H Lorn

Comparison of antiviral activities of IFN-alpha and IFN-gamma on H1299 cells

Gaithersburg High

Hometown: Gaithersburg, MD

Dr. Kathryn Zoon, Preceptor

Cytokine Biology Section

391. Sabrina S Mathew

Characterization of a Less Immunogenic Tumor-Targeted Anthrax Toxin

University of Maryland Baltimore County

Hometown: Germantown, MD

Dr. Stephen Leppla,

Dr. Christopher Bachran, Preceptors

Laboratory of Bacterial Diseases

392. Kerri L Miazgowicz

Discovering vaccines against parasites using insect spit

Michigan State University

Hometown: Westland, MI

Dr. Jesus G. Valenzuela, Preceptor

Laboratory of Malaria and Vector Research

393. Daniel J Montville

Molecular Analysis of PLCg2 Mutation

University of Wisconsin - Madison

Hometown: Eden Prairie, MN

Dr. Joshua Milner, Preceptor

Laboratory of Allergic Diseases

394. Zain Moosvi

A Comparison of Restimulation Induced Cell Death (RICD) Between C57BL/6 and NOD Mice

University of Maryland College Park
Hometown: Mount Airy, MD
Mr. Austin Swafford,
Dr. Michael J. Lenardo, Preceptors
Laboratory of Immunology

395. Joan Ngwuta

The search for a high-affinity PSAC Inhibitor as a potential anti-malarial drug

El Camino College
Hometown: Bethesda, MD
Dr. Sanjay Desai,
Dr. Brian Janelsins, Preceptors
Laboratory of Malaria and Vector Research

396. Si Won Oak

Crystal Structure of Fc γ RI and Its Implication in High Affinity γ -immunoglobulin Binding

Duke University
Hometown: Honolulu, HI
Dr. Peter D. Sun,
Dr. Jinghua Lu, Preceptors
Laboratory of Immunogenetics

397. Jonathan J Park

Mechanism of histamine-induced production of reactive oxygen species in airway epithelial cells.

Northwestern University
Hometown: Rockville, MD
Dr. Thomas L. Leto,
Dr. Balazs Rada, Preceptors
Laboratory of Host Defenses

398. William W Qu

Affinity Purification of Calmodulin Binding Proteins

Solon High School
Hometown: Solon, OH
Dr. Stephen Leppla,
Dr. Clinton E. Leysath, Preceptors
Laboratory of Bacterial Diseases

399. Sahana Sinnarajah

Trimerization of Early-Transmitting HIV Envelope Protein

Thomas Wootton High School
Hometown: North Potomac, MD

Dr. Jim Arthos,
Ms. Fatima Nawaz, Preceptors
Laboratory of Immunoregulation

400. David J Torres

Role of p47phox on IL-4 Dependent Macrophage Fusion

The Dalton School
Hometown: College Point, NY
Dr. Sharon Jackson, Preceptor
Laboratory of Host Defenses

401. Zaheer Valivullah

Characterization of Hemolysin BL, a tripartite toxin produced by Bacillus cereus strains that cause foodborne illness

University of Maryland, College Park
Hometown: Bethesda, MD
Dr. Steve Leppla,
Dr. Inka Sastalla, Preceptors
Bacterial Toxins and Therapeutics Section.

402. Cameron K Waites

Lactobacillus-mediated Priming of the Respiratory Mucosa and Protection from the Lethal Sequelae of H1N1 A/FM/1/47-MA Infection

University of Michigan-Flint
Hometown: Bethesda, MD
Dr. Helene F. Rosenberg, Preceptor
Laboratory of Allergic Diseases

403. Amanda E Ward

Activation of N-formylpeptide Receptors Inhibits LPS-induced Cytokine Production

Poolesville High School
Hometown: Germantown, MD
Dr. Philip Murphy,
Dr. Jiliang Gao, Preceptors
Laboratory of Molecular Immunology

404. Jacqueline L Xu

Attenuation of Bleomycin-induced Acute Lung Injury in CCR6 Knockout Mice

Unionville High School
Hometown: Derwood, MD
Dr. Joshua Farber, Preceptor
Laboratory of Molecular Immunology

405. Lauren M Yang

Characterization of Anti-GM-CSF Autoantibody Associated Cryptococcal Meningitis
Washington University in St. Louis School of Medicine

Hometown: Silver Spring, MD
Dr. Sarah K. Browne, Preceptor
Laboratory of Clinical Infectious Diseases

406. Lijia Zhang

Acquisition of B cells sublines knocking down the expressing of IgLamda1 using RNAi technology

Herndon High School
Hometown: Rockville, MD
Dr. Wanli Liu, Preceptor
Laboratory of Immunogenetics

National Institute of Allergy and Infectious Diseases-Vaccine Research Center (NIAID-VRC)

407. Doyung Lee

Structural Studies of Unliganded HIV-1 gp120 Glycoprotein using X-ray Crystallography

Montgomery Blair High School
Hometown: North Potomac, MD
Dr. Young Do Kwon, Preceptor
Structural Biology Section

408. Gabriel G Lu

Development of Novel High-Throughput Expression and Analysis Technology for HIV-1 Neutralizing Antibodies

Poolesville High School
Hometown: Germantown, MD
Dr. Yangyong Ping, Preceptor
Structural Biology Section

409. Nina J Lu

Determination of Key Contact Residues on Broadly Neutralizing VRC01-like Antibodies to HIV-1

Montgomery Blair High School
Hometown: Rockville, MD
Dr. Baoshan Zhang, Preceptor
Structural Biology Section

410. Jon B Suzich

Characterization of Epitope-Scaffold Immunogens That Present the Broadly Neutralizing Hemagglutinin Stem Epitope from Influenza Virus

Brown University
Hometown: Bethesda, MD
Dr. Gary J. Nabel, Preceptor

Virology Laboratory and Vector Core Section

411. Thomas C Wilson

Quantitative Parameters of Ebola IgG ELISA Assay

Georgetown Preparatory School

Hometown: Kensington, MD

Dr. Nancy J. Sullivan,

Ms. Daphne A. Stanley, Preceptors

Biodefense Research Section

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

412. Ayodele E Akosile

The Huge Effects of Little Actions

SEED School of Washington, DC

Hometown: Washington, DC

Ms. Mildred Wilson, Preceptor

Arthritis and Rheumatism Branch

413. Paul W Bible

PAPST: Peak Assignment and Pattern Search Tool.

University of Louisiana at Lafayette

Hometown: Lafayette, LA

Dr. Hongwei Sun, Preceptor

Biodata Mining and Discovery Section

414. Nathaniel D Bradley

The role of the TNF family cytokine TL1A in intestinal inflammation

Johns Hopkins University

Hometown: Wichita, KS

Dr. Françoise Meylan,

Dr. Richard Siegel, Preceptors

Autoimmunity Branch

415. Jesse T Cobell

A High Throughput Method for Analyzing 3D Chromosomal Interactions in B-Lymphocytes

Brigham Young University

Hometown: Camas, WA

Dr. Kyong-Rim Kieffer-Kwon, Preceptor

Laboratory of Molecular Immunogenetics

416. Daquan T Daly

Regulation of Long Non-Coding RNAs in the Immune System

Westtown School
Hometown: Brooklyn, NY
Dr. John O'Shea, Preceptor
Molecular Immunology and Inflammation Branch

417. Robin C Garrison

Phenotyping Immunological Dysfunction in Behçet's Disease: A Comparison of American and Turkish Patient PBMCs by FACS Analysis

Tuskegee University
Hometown: Montgomery, AL
Dr. Raphaela T. Goldbach-Mansky,
Dr. Cailin Henderson Sibley, Preceptors
Autoimmunity Branch

418. Atoussa Halary

Assessment of IL-23 Receptor Expression in Human Leukocytes: Comparison of Freshly Prepared and Cryopreserved PBMC.

University of Maryland
Hometown: Silver Spring, MD
Dr. Massimo Gadina,
Mr. James Simone, Preceptors
Translational Immunology Section

419. Brandon M Jones

Uncovering the structure of influenza virus ribonucleoproteins

Montgomery College
Hometown: Germantown, MD
Dr. Juan Fontana,
Dr. Alasdair C. Steven, Preceptors
Laboratory of Structural Biology Research

420. Nafiz M Khan

Identifications of clinical and laboratory markers for Disease Activity in Patients with American Behçet's Disease

Binghamton University
Hometown: New Windsor, NY
Dr. Cailin H. Sibly,
Dr. Rapaela G. Mansky, Preceptors
Autoimmunity Branch

421. Adam McShane

Finding Molecular Targets of Heterotopic Ossification Following War Trauma using microRNA Profiling

University of Pittsburgh
Hometown: Willimantic, CT
Dr. Leon Nesti,

Dr. Youngmi Ji, Preceptors
Cartilage Biology and Orthopaedics Branch

422. Ishaka Oche

Epidemiology of Nonunions
Morehouse School of Medicine
Hometown: Bethesda, MD
Dr. Timothy Bhattacharyya, Preceptor
Clinical Investigative & Orthopedics Section

423. Nora M Ortega

A Role of Sphingosine Kinase 1 and Sphingosine Kinase 2 in Anti-Collagen Induced Arthritis
El Paso Community College
Hometown: El Paso, TX
Dr. Juan Rivera, Preceptor
Laboratory of Molecular Immunogenetics

424. Jalyssa L Pettaway

Cytokine Expression Profile of Gamma Delta T cells in the Small Intestine
Morgan State University
Hometown: Germantown, MD
Dr. John OShea, Preceptor
Molecular Immunology and Inflammation Branch

425. Jason Qian

Genome-wide mapping of AID activity in B cells and tumors
Washington University in St. Louis
Hometown: St. Louis, MO
Dr. Rafael Casellas, Preceptor
Laboratory of Molecular Immunogenetics

426. Jacob A Turner

Utilizing Next-Gen Sequencing and Computational Methods for Identifying Active lncRNAs
University of Cincinnati
Hometown: Morning View, KY
Dr. John O'Shea, Preceptor
Molecular Immunology and Inflammation Branch

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

427. Wendy W Cai

Electron Microscopy Analysis: Alterations of Insulin and Proinsulin Levels in Dense-

Core Vesicles of IA-2/IA-2beta Knockout Mice

Richard Montgomery High School

Hometown: Germantown, MD

Dr. Richard Leapman,

Dr. Guofeng Zhang, Preceptors

Laboratory of Molecular Imaging and Nanomedicine

428. Richard J Chen

Stem Cell Ultrastructure

Montgomery Blair High School

Hometown: Gaithersburg, MD

Dr. Richard Leapman, Preceptor

Laboratory of Molecular Imaging and Nanomedicine

429. Joshua D Cohen

Axon growth and guidance mediated by microfluidically generated chondroitin sulfate proteoglycan surface gradients

Massachusetts Institute of Technology

Hometown: Atlanta, GA

Dr. Nicole Y. Morgan,

Dr. Herbert M. Geller, Preceptors

Laboratory of Bioengineering and Physical Science

430. Xiaoyu A Gao

Phase-Transfer and Bioconjugation of Quantum Dots for Imaging Tumor Cells

Thomas Jefferson High School for Science and Technology

Hometown: Herndon, VA

Dr. Xinglu Huang, Preceptor

Laboratory of Molecular Imaging and Nanomedicine

431. Katherine S Ho

Tumor Endothelial Marker 8 (TEM8) Expression in Cancers

Thomas Jefferson High School for Science and Technology

Hometown: McLean, VA

Ms. Qimeng Quan, Preceptor

Laboratory of Molecular Imaging and Nanomedicine

432. Michelle Y Lee

Photoactivable Green Fluorescent Protein Mutants

National Cathedral School

Hometown: Oakton, VA

Dr. George H. Patterson,

Dr. Yan Fu, Preceptors

Section on Biophotonics

433. Aida Martinez

Studying weak protein-protein interactions using sedimentation velocity

University of San Francisco

Hometown: Dublin, CA

Dr. Peter Schuck, Preceptor

Laboratory of Bioengineering and Physical Science

434. Zachary J Milstone

Raman Spectroscopy of Noncovalently Modified Single-Walled Carbon Nanotubes

University of Rochester

Hometown: Chesnut Hill, MA

Dr. Ashwinkumar Bhirde, Preceptor

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435. Rotimi Ogunbiyi

Surface Modification of Poly(dimethylsiloxane) for Passive Pumping and Protein Resistance

Boston University

Hometown: Laurel, MD

Dr. Nicole Y. Morgan, Preceptor

Laboratory of Bioengineering and Physical Science

436. Lisa J pang

QCM-D and AFM Characterizations of Biological Complexes

University of Pennsylvania

Hometown: Oak Hill, VA

Dr. Albert Jin, Preceptor

Laboratory of Bioengineering and Physical Science

437. Weijia Wang

Fluorescent Gold Nanoparticles for Tumor Targeting

J.R. Masterman Laboratory and Demonstration High School

Hometown: Philadelphia, PA

Ms. Maggie Swierczewska, Preceptor

Laboratory of Molecular Imaging and Nanomedicine

438. Peter H Yang

A Microfluidic Approach for Imaging Chemotaxis in Aligned and Disordered 3D Collagen Networks

Johns Hopkins University

Hometown: West Windsor, NJ

Dr. Nicole Y. Morgan, Preceptor

Laboratory of Bioengineering and Physical Science

National Institute of Dental and Craniofacial Research (NIDCR)

439. Nathan Burbach

Secreted frizzled related-protein 2 and Wnt signaling in osteogenic cells

University of Minnesota School of Dentistry

Hometown: Minot, ND

Dr. Pamela Robey, Preceptor

Craniofacial and Skeletal Diseases Branch

440. Catherine W Cai

Detection of Xenotropic Murine Leukemia Virus-Related Virus (XMRV) in Blood Cells of Sjögren's Syndrome Patients

Emory University

Hometown: Atlanta, GA

Dr. Gabor Illei, Preceptor

Molecular Physiology and Therapeutics Branch

441. Melody P Chu

Pannexin 3: A New Gap Junction Protein in Skeletal Development

University of Maryland College Park

Hometown: Silver Spring, MD

Dr. Yoshi Yamada,

Dr. Patricia Forcinito, Preceptors

Laboratory of Cell and Developmental Biology

442. Estella T Gong

Searching for new Autoantigens in Sjögren's Syndrome

Dominion High School

Hometown: Sterling, VA

Dr. Peter D. Burbelo,

Dr. Michael J. Iadarola, Preceptors

Laboratory of Sensory Biology

443. Angela M Hou

Using Homology Models to Explore Possible Binding Sites for Positive Allosteric Modulators of TRPV1

University of Maryland College Park

Hometown: Gaithersburg, MD

Dr. Mike Iadarola, Preceptor

Pain and Neurosensory Mechanisms Branch

444. Theresa R Lii

Allosteric modulation of heat-sensitive TRPV1 channel activity

Brown University

Hometown: Plano, TX

Dr. Michael J. Iadarola, Preceptor

Laboratory of Sensory Biology

445. Philip Z Mannes

Understanding Immunoreactivity of the Ro60 Autoantigen in Sjögren's Syndrome

Bethesda-Chevy Chase High School

Hometown: Chevy Chase, MD

Dr. Michael J. Iadarola, Preceptor

Pain and Neurosensory Mechanisms Branch

446. Noemi M Nowakowski

Evolutionary Origins of Dopamine Signaling in an Echinoid Developmental Response to Algae

American University

Hometown: Bethesda, MD

Dr. Diane Adams,

Dr. Lynne Angerer, Preceptors

Developmental Mechanisms Unit

447. Nina A Randazzo

The Role of Myosin IIA and IIB in Oral Cancer Metastasis and Invasion

Bullis School

Hometown: Potomac, MD

Dr. Panomwat Amornphimoltham, Preceptor

Oral and Pharyngeal Cancer Branch

448. Chiara Rivas-Morello G Rivas-Morello

An O-glycosyltransferase is Required for Proper Salivary Gland Development in Drosophila

Harvard School of Dental Medicine

Hometown: Montgomery Village, MD

Dr. Kelly Ten Hagen, Preceptor

Laboratory of Cell and Developmental Biology

449. Nehal R Shah

Mutualistic Interactions Between Streptococci and Actinomyces Detected Through Quantitative PCR

Virginia Tech

Hometown: Silver Spring, MD

Dr. Robert J. Palmer,

Dr. John Cisar, Preceptors

Oral Infection and Immunity Branch

450. Lauren M Sheehy

Collagen Gel Assay for Testing Cellular Mechanosensing and Durotaxis in Three Dimensions

University of Illinois

Hometown: Park Ridge, IL

Dr. Andrew D. Doyle, Preceptor
Laboratory of Cell and Developmental Biology

451. Daniel J Zemel

Developmental Profile of DSPP-Cre
Sherwood High School
Hometown: Bethesda, MD
Dr. Ashok B. Kulkarani, Preceptor
Gene Targeting Core

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

452. Samantha R Aguirre

Genomic Sequencing: Rare SNP Verification and Functional Prediction
Arizona State University
Hometown: Tempe, AZ
Dr. Leslie J. Baier,
Mr. Darin K. Mahkee, Preceptors
Phoenix Epidemiology and Clinical Research Branch

453. Deepti Anthony

Islet Size Determinants
Holton-Arms School
Hometown: Rockville, MD
Dr. Vipul Periwal, Preceptor
Laboratory of Biological Modeling

454. Sami M Aougab

A Model of LDL Metabolism
University of North Carolina
Hometown: Potomac, MD
Dr. Carson Chow, Preceptor
Laboratory of Biological Modeling

455. Noemi O Berkowitz

Engineering a potent HIV-1 inhibitor: the cyanobacterial protein Microvirin goes dimeric.
Lincoln Southwest High School
Hometown: Lincoln, NE
Dr. Carole A. Bewley, Preceptor
Laboratory of Bioorganic Chemistry

456. Pritha Bhattacharyya

The Effect of ATR on DNA Mismatch Repair

Thomas Jefferson High School for Science and Technology
Hometown: Fairfax, VA
Dr. Anthony V. Furano,
Dr. Jia Chen, Preceptors
Laboratory of Molecular and Cellular Biology

457. Kelly N Bitsilly

Comparing Methods to Measure Moderate-to-Vigorous Physical Activity
Hawaii Pacific University
Hometown: Tohatchi, NM
Dr. Jeremy Pomeroy, Preceptor
Phoenix Epidemiology and Clinical Research Branch

458. Steven P Bodine

DNA Damage Response Mediated by ATR Kinase
St. Albans School
Hometown: Chevy Chase, MD
Dr. Peggy Hsieh,
Dr. Zhongdao Li, Preceptors
Genetics and Biochemistry Branch

459. John Chen

Identifying Thyroid Hormone Receptor Target Genes in the Developing Auditory System
Massachusetts Institute of Technology
Hometown: Richardson, TX
Dr. Douglas Forrest,
Dr. David Sharlin, Preceptors
Clinical Endocrinology Branch

460. Kiesha Cherry

Effects of Non-Nutritive Sweetener on Gut Hormones
Norfolk State University
Hometown: Matthews, NC
Dr. Mary Walter,
Dr. Rebecca Brown, Preceptors
Clinical Core Lab - (CCL)

461. Helen W Cheung

Evaluation of the Agreement Between Three Different Body Composition Techniques for the Measurement of Fat Mass in Lean and Obese Subjects
Sherwood High School
Hometown: Brookeville, MD
Dr. Kevin Hall, Preceptor
Laboratory of Biological Modeling

462. Subhradeep Datta, Alix J Philogene

Colonization of MyD88 and GW112 Knockout Mice by Helicobacter pylori
Thomas S. Wootton High School
Our Lady of Good Counsel High School
Hometown: Rockville, MD
SilverSpring, MD
Dr. William Coleman, Preceptor
Laboratory of Biochemistry and Genetics

463. Colin J Davis

Msh2: Repeat Offender?
College of William & Mary
Hometown: Williamsburg, VA
Dr. Karen Usdin, Preceptor
Laboratory of Molecular and Cellular Biology

464. Nathan A Denicoff

Interaction of Arls with Polycystin-1in Autosomal Dominant Polycystic Kidney Disease
Melvin J Berman Hebrew Academy
Hometown: Silver Spring, MD
Dr. Gregory Germino,
Dr. Tanchun Wang, Preceptors
Kidney Diseases Branch

465. Jia Gao

G Protein-Coupled Receptors as a Therapeutic Target for Cancer
Richard Montgomery High School
Hometown: Bethesda, MD
Dr. Stefano Costanzi, Preceptor
Laboratory of Biological Modeling

466. Mark T Inda

Creating a Cell Model for Autosomal Dominant Polycystic Kidney Disease
Prince George's Community College
Hometown: Landover Hills, MD
Dr. Gregory Germino,
Dr. Luis F. Menezes, Preceptors
Kidney Diseases Branch

467. Jennifer R Jin

Understanding the Mutational Mechanism Responsible for Fragile X Syndrome
Winston Churchill High School
Hometown: Potomac, MD
Dr. Karen Usdin, Preceptor
Laboratory of Molecular and Cellular Biology

468. Molly Leonard

Biochemical Studies of Macromolecular Interaction in DNA Recombination

Lewis and Clark College
Hometown: Evergreen, CO
Dr. Wei Yang, Preceptor
Laboratory of Molecular Biology

469. Kazuomori Lewis

Sorting exosomes by zip code to identify nephron-specific biomarkers

Lowell High School
Hometown: Gaithersburg, MD
Dr. Peter Yuen, Preceptor
Kidney Diseases Branch

470. Elizabeth Y Liu

Mice with Deficiency of G Protein Alpha Subunit (Gsa) in the Ventromedial Nuclei of the Hypothalamus have Lean Phenotypes after Treatment of High Fat Diet

Montgomery Blair High School
Hometown: Rockville, MD
Dr. Min Chen, Preceptor
Metabolic Diseases Branch

471. Monique McCants

Small Molecule Manipulation of the TSHR and Endocrine Diseases

Bucknell University
Hometown: Gaithersburg, MD
Mr. Bruce Raaka, Preceptor
Clinical Endocrinology Branch

472. Jeanne Ngo

Analysis of the differentiation of a mouse multipotential hematopoietic cell line (32D/C13)

Mount St. Mary's College
Hometown: Alhambra, CA
Dr. Daniel Wright,
Dr. Joseph M. Lee, Preceptors
Molecular Medicine Branch

473. Ana V Ordaz

Generation of chimeric antibodies to target a peptide from the type 1 diabetes autoantigen GAD65 to dendritic cell subsets for induction of antigen-specific T cell tolerance

California State University, Fresno
Hometown: Bethesda, MD
Dr. Kristin Tarbell, Preceptor
Diabetes Branch

474. Denali W Rao

Mutational Studies in Musca domestica hAT protein Hermes Transposase

Walter Johnson High School

Hometown: Bethesda, MD

Dr. Alison Hickman, Preceptor

Laboratory of Molecular Biology

475. Alfred N Rotimi

Challenges associated with using A1C to Predict Glucose Tolerance in Africans

Howard Community College

Hometown: Woodstock, MD

Dr. Anne Sumner, Preceptor

Diabetes Branch

476. Perisa Ruhi

Streptozotocin-Induced Islet Cell Regeneration in Growth/Differentiation Factor 11 Mutant Mice

University of Virginia

Hometown: Springfield, VA

Dr. Alexandra McPherron, Preceptor

Genetics of Development and Diseases Branch

477. James N Salley

The Relationship Between Bites and Energy Intake for the Individual

Clemson University

Hometown: Pendleton, SC

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Laboratory of Biological Modeling

478. Omar A Santiago Báez

The Role of Erythropoietin in Obesity-induced Inflammation

University of Puerto Rico

Hometown: Ponce, PR

Dr. Constance Noguchi,

Dr. Mawadda Al-naeeli, Preceptors

Molecular Medicine Branch

479. James L Shepherdson

DREAM6 (2011) Challenges

Montgomery Blair High School

Hometown: Bethesda, MD

Dr. Vipul Periwal, Preceptor

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480. Aleron B Toledo

Impulsivity, Decision Making, and Quality of Life in a Clinical Weight Loss Study

Arizona State University - Main Tempe
Hometown: Phoenix, AZ
Dr. Marci E. Gluck,
Dr. Jonathan Krakoff, Preceptors
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481. Marie Tysman

Genes Involved In Heme Export From Mitochondria In The Yeast Saccharomyces cerevisiae

University of Michigan
Hometown: Richland, MI
Dr. Caroline Philpott,
Dr. Olga Protchenko, Preceptors
Liver Diseases Branch

482. Xinyi Zhu

The O-GlcNAc posttranslational modification influences phenotype changes and fertility in C.elegans

Thomas S. Wootton
Hometown: Bethesda, MD
Dr. John A. Hanover,
Dr. Michelle R. Bond, Preceptors
Laboratory of Cell Biochemistry and Biology

National Institute of Environmental Health Sciences (NIEHS)

483. Alexandra R Ruth

Smoking and the antisynthetase syndrome in myositis patients

Washington University in St. Louis
Hometown: Herndon, VA
Dr. Irene Whitt, Preceptor
Office of Clinical Research, Environmental Autoimmunity Group

National Institute of Mental Health (NIMH)

484. Christopher Addis

Manual editing of automated brain masks: Is it a necessary step for measuring cortical thickness?

Boston University
Hometown: Kensington, MD
Dr. Francois M. Lalonde, Preceptor
Child Psychiatry Branch

485. Vanya Aggarwal

Sleep, cardiovascular biomarkers and diseases

Loudoun Academy of Science

Hometown: Leesburg, VA

Dr. Kathleen Merikangas, Preceptor

Genetic Epidemiology Research Branch

486. Oluwadara O Alawode

Identification of PACAP-Regulated Genes in Hippocampal Neurons

McDonogh School

Hometown: Columbia, MD

Dr. Lee E. Eiden,

Dr. Tomris Mustafa, Preceptors

Section on Molecular Neurobiology

487. Ligia D Antezana

Early Brain Overgrowth in Autism: A Closer Look

Temple University

Hometown: Silver Spring, MD

Dr. Jay Giedd,

Dr. Alex Martin, Preceptors

Laboratory of Brain and Cognition

488. Jeremy K Benedik

COMT Val108/158Met genotype modulates effect of modafinil on activity of brain regions underlying response inhibition

Emory University

Hometown: Austin, TX

Dr. Venkata S. Mattay,

Dr. Roberta Rasetti, Preceptors

Clinical Brain Disorders Branch

489. Lauren A Cohen

Effect of maternal dominance rank on social behavior in juvenile Rhesus Macaques (Macaca mulatta)

University of Virginia

Hometown: Pittsburgh, PA

Dr. Eric Nelson, Preceptor

Primate Neurobiology Core Facility

490. Jake S Danoff

Genetic Variation in CYP3A43 and Neuropsychological Measures

The University of Maryland

Hometown: Rockville, MD

Dr. Kristin Bigos, Preceptor

Genes, Cognition, and Psychosis Program

491. Amisha Desai

Social defeat causes depressive behavior through corticosterone-induced decreases in hippocampal neurogenesis

Wake Forest University

Hometown: Havertown, PA

Dr. Michael Lehmann,

Dr. Miles Herkenham, Preceptors

Laboratory of Cellular and Molecular Regulation

492. Alexandra J Giedd

Quantitative Morphology of the Corpus Callosum in Children with Autism

Duke University

Hometown: Potomac, MD

Dr. Susan E. Swedo, Preceptor

Pediatric and Developmental Neuroscience Branch

493. Jordan A Giedd

Corpus Callosum Morphology in Sex Chromosome Aneuploidy: an MRI Study of Karyotype of XXY

Winston Churchill

Hometown: Potomac, MD

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Laboratory of Neuropsychology

494. Jennifer R Gilbert

Extinction of Delay Fear Conditioning in Oxytocin Knockout Mice

University of Pennsylvania

Hometown: Sykesville, MD

Dr. Scott Young, Preceptor

Laboratory of Cellular and Molecular Regulation

495. Katherine V Gumps

Tagging individual neurons with experience-dependent gene expression changes in a novel Arc-KikGR transgenic mouse line

College of Charleston

Hometown: Charleston, SC

Dr. Kuan H. Wang, Preceptor

Genes, Cognition, and Psychosis Program

496. Raven Hammond

Trait Depression Reduces Startle Reactivity in Anxiety

Gaithersburg High School

Hometown: Bethesda, MD

Ms. Katherine Vytal, Preceptor

Experimental Therapeutics and Pathophysiology Branch

497. David W Hollingsworth

Anxiety & Antidepressant Responses to Ketamine

Morehouse College

Hometown: Fayetteville, NC

Dr. Carlos Zarate,

Dr. Maura Furey, Preceptors

Experimental Therapeutics and Pathophysiology Branch

498. Tanya Horwitz

A Comparison of Two Adult Measures of Psychopathic Traits

The Field School

Hometown: Washington, DC

Dr. James R. Blair,

Dr. Stuart F. White, Preceptors

Unit on Affective Cognitive Neuroscience

499. Tianyi Hu

The Role of MicroRNA 501.3p and Its Target Protein in Regulating Spine Size and Density of Hippocampal Neurons during NMDA Stimulation

Montgomery Blair High School

Hometown: Rockville, MD

Dr. Zheng Li,

Dr. Zhonghua Hu, Preceptors

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500. Madeline A Kirch

Child Behavior Checklist in Young Children with Autism

University of North Carolina at Chapel Hill

Hometown: Bethesda, MD

Dr. Audrey Thurm,

Dr. Susan E. Swedo, Preceptors

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501. Seung-Hyun Lim

Preliminary Data on N-acetyl-aspartyl-glutamate (NAAG) Levels in Schizophrenia

Timberline High School

Hometown: Boise, ID

Dr. Stefano Marenco, Preceptor

Clinical Brain Disorders Branch

502. Jonae N Lloyd

Medication Washout and the Diagnosis of Childhood Onset Schizophrenia

Winston Churchill High School

Hometown: Potomac, MD

Mr. Peter Gochman,
Dr. Judith Rapoport, Preceptors
Child Psychiatry Branch

503. Cady B Lyon

What can eye movements tell us about how we interpret complex visual scenes?
Washington University in St. Louis
Hometown: North Potomac, MD
Dr. Chris I. Baker,
Dr. Assaf Harel, Preceptors
Laboratory of Brain and Cognition

504. Zemi S Moore

The Influence of Anxiety Disorders on Depression
Howard University
Hometown: Lithonia, GA
Dr. Carlos Zarate,
Dr. Maura Furey, Preceptors
Experimental Therapeutics and Pathophysiology Branch

505. Jeffrey L Nadel

Effects of Exercise on Regional Rates of Cerebral Protein Synthesis
Colorado College
Hometown: Colorado Springs, CO
Dr. Alan J. Zametkin,
Ms. Kathleen Schmidt, Preceptors
Section on Neuroadaptation and Protein Metabolism

506. Shane S Nicholls

An FMRI Investigation of a Measure of Psychopathic Traits and its Relationship to Decision-Making in Healthy Adults
Poolesville Highschool
Hometown: Germantown, MD
Dr. James R. Blair,
Dr. Stuart F. White, Preceptors
Unit on Affective Cognitive Neuroscience

507. Carol M Noronha

Aberrant Activity in Childhood Onset Schizophrenia
Wayne State University
Hometown: Bloomfield Hills, MI
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Child Psychiatry Branch

508. Jennifer L Orel

Reinterpreting Findings from the Tridimensional Personality Questionnaire in Light of

the Five-Factor Model of Personality in Schizophrenia Cases, their Unaffected Siblings, and Healthy Controls

George Washington University
Hometown: Washington, DC
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Clinical Brain Disorders Branch

509. Kristin Oshiro

Angiotensin II Receptor Blockers (ARBs) and Brain Inflammation

University of the Pacific
Hometown: Honolulu, HI
Dr. Enrique Sanchez-Lemus,
Dr. Juan Saavedra, Preceptors
Section on Pharmacology

510. Zoe L Owrutsky

Violent and Suicidal Behavior in Schizophrenia Cases

Paint Branch High School
Hometown: Silver Spring, MD
Mr. Dwight Dickinson,
Ms. Rebecca Fortgang, Preceptors
Clinical Brain Disorders Branch

511. Victoria Pai

Accuracy of Quantification of LC/MS/MS Data with Low Levels of Heavy Isotope Incorporation

Montgomery Blair HS
Hometown: Potomac, MD
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512. Maria Reyes Meza

The Phenotypic Profile of Treatment-Resistant Depression

Northern Virginia Community College
Hometown: Centreville, VA
Dr. Layla Kassem,
Dr. Francis McMahon, Preceptors
Unit on Genetic Basis on Mood and Anxiety Disorders

513. Carl Rhodes

SQL & Sharepoint Support for Mascot Search Results Processing

Wheaton High School
Hometown: Silver Spring, MD
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Laboratory of Neurotoxicology

514. Meghan Robinson

What Makes Different Networks Different?

Purdue University

Hometown: Rockville, MD

Dr. Peter Bandettini, Preceptor

Laboratory of Brain and Cognition

515. Patricia L Romaine

Utilization of a Targeted Proteomic Approach to Quantify Stoichiometry of S12 Isoforms from Echerichia coli

St Mary's College of Maryland

Hometown: Silver Spring, MD

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Dr. Michael B. Strader, Preceptors

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516. Pamela M Summers

Cognitive Function and Migraine

Williams College

Hometown: Bethesda, MD

Dr. Kathleen Merikangas,

Dr. Marcy Burstein, Preceptors

Genetic Epidemiology Research Branch

517. Devin A Taylor

Discovering Chromogranin A Regulated Genes in Peripheral Tissues

Gaithersburg High School

Hometown: Bethesda, MD

Dr. Lee E. Eiden,

Dr. Tomris Mustafa, Preceptors

Section on Molecular Neurobiology

518. Natalia Wannan

Common Polygenic Variation Contributes to Personality Traits in Bipolar Patients

University of Rochester

Hometown: Rockville, MD

Dr. Francis J. McMahon,

Dr. David Chen, Preceptors

Unit on Genetic Basis on Mood and Anxiety Disorders

519. Elizabeth Wei

Variability in Activity and Mood

Winston Churchill High School

Hometown: Potomac, MD

Dr. Kathleen Merikangas, Preceptor

Genetic Epidemiology Research Branch

520. Oliver T Wellstein

Wing Expansion in Drosophila melanogaster
Georgetown Day School
Hometown: Washington, DC
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Laboratory of Molecular Biology

521. Alexander J Zaita

Comparative analysis of functional variant annotation methods in next generation sequencing data
Thomas Jefferson HSST
Hometown: Oakton, VA
Dr. Francis J. McMahon,
Dr. Nirmala Akula, Preceptors
Unit on Genetic Basis on Mood and Anxiety Disorders

National Institute of Neurological Disorders and Stroke (NINDS)

522. Hanna N Al-Gattas

Myelin Expression in p35 Knockout
Colgate University
Hometown: Washington, DC
Dr. Harish C. Pant,
Dr. Varsha Shukla, Preceptors
Laboratory of Neurochemistry

523. Mark J Amirtharaj

High Beta Coherence between Motor Cortex and the Basal Ganglia Modulated by Ventral Medial Thalamus in a Rodent Model of Parkinson's Disease
University of Maryland, College Park
Hometown: Germantown, MD
Dr. Judith R. Walters, Preceptor
Neurophysiological Pharmacology Section

524. Allison L Arai

MRI Quantification of Blood Brain Barrier Disruption to Evaluate Minocycline as a Treatment for Ischemic Stroke
University of Maryland, College Park
Hometown: Kensington, MD
Dr. Afonso C. Silva, Preceptor
Laboratory of Functional and Molecular Imaging

525. Bina B Bansinath

Targetting Retinal Ganglion Cells in Zebrafish Retina

Cornell University

Hometown: North Brunswick, NJ

Dr. Ralph Nelson,

Ms. Meaghan Torvund, Preceptors

Neural Circuits Unit

526. Rachel M Behrend

Studying the Direct Connectivity Between Sensory Afferents and an Anatomically Identified Group of Relay Neurons in a Neonatal Mouse Spinal Cord

Bryn Mawr College

Hometown: Bethesda, MD

Dr. Dvir Blivis, Preceptor

Developmental Neural Plasticity Unit

527. Alexander M Beschloss

Fluorescent Tagging of JC Virus for Visualization of Infection

Maret School

Hometown: Washington, DC

Dr. Michael W. Ferenczy,

Dr. Eugene O. Major, Preceptors

Laboratory of Molecular Medicine and Neuroscience

528. Tyler A Brown

Assessment of the Effect of 1-Octanol and its Derivatives on Tremor in the Harmaline-Induced Rodent Model of Essential Tremor (ET)

University of Miami Miller School of MEDicine

Hometown: Miami, FL

Dr. Dietrich Haubenberger,

Dr. Fatta Nahab, Preceptors

Medical Neurology Branch

529. Dina Broydo

A Quality Control Website for Neuroimaging Research

Thomas S. Wootton High School

Hometown: Rockville, MD

Dr. Daniel S. Reich, Preceptor

Neuroimmunology Branch

530. Adrian G Cadar

Development of a New Objective Measurement System for Parkinsonian Rigidity

University of North Texas

Hometown: Bethesda, MD

Dr. Pritha Ghosh, Preceptor

Medical Neurology Branch

531. Tyler C Carney

Utilizing Phage Display to Selectively Target Intracranial Tumors

University of Central Florida

Hometown: Orlando, FL

Dr. Ashok Asthagiri, Preceptor

Surgical Neurology Branch

532. Bradley R Carpenter

NINDS Stem Cell Data Management System Functionality Upgrade

Baylor University

Hometown: Southlake, TX

Dr. Yang C. Fann, Preceptor

Intramural Information Technology Program

533. Noo R Chai

Development of an assay for measuring CSF T cell-specificity to complex antigens in multiple sclerosis

Brown University

Hometown: Gaithersburg, MD

Dr. Simone C. Wuest, Preceptor

Neuroimmunology Branch

534. Mayukh Chakrabarti

Determination of the pharmacological specificity of Sumanitrole and its analogs on Dopamine Receptor subtypes

University of Maryland, Baltimore County

Hometown: Gaithersburg, MD

Dr. David R. Sibley, Preceptor

Molecular Neuropharmacology Section

535. Ian Chow

Characterization of oligomer formation of the Z-disc associated Alternatively Spliced Protein (ZASP), the gene product in a degenerative skeletal muscle disease

Northwestern University

Hometown: Rockville, MD

Dr. Ami Mankodi, Preceptor

Neurogenetics Branch

536. Martin L Dalefield

Characterization of Dopaminergic Drugs with a D2-Receptor- β -Arrestin BRET Assay

Ohio State University

Hometown: Columbus, OH

Dr. David R. Sibley,

Dr. Benjamin Free, Preceptors

Molecular Neuropharmacology Section

537. Manori De Alwis

Vascular Description of Small Perivenular Lesions in Multiple Sclerosis

Cornell University

Hometown: Rockville, MD

Dr. Daniel S. Reich,

Dr. Maria I. Gaitan, Preceptors

Neuroimmunology Branch

538. Lauren A Demers

The role of reward during consolidation of implicit motor sequence learning

Bates College

Hometown: Bethesda, MD

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Dr. Eric E. Wassermann, Preceptors

Brain Stimulation Unit

539. Pauline M Dmitriev

Neuroendocrine Tumors Present in Ectopic Sites in Von Hippel-Lindau Disease

Winston Churchill High School

Hometown: Bethesda, MD

Dr. Zhengping Zhuang,

Dr. Chunzhang Yang, Preceptors

Surgical Neurology Branch

540. Vindhya Ekanayake

Self-generated stigma and illness attributions in motor conversion disorder patients

Purdue University

Hometown: Gaithersburg, MD

Dr. Sarah M. Kranick,

Dr. Mark Hallett, Preceptors

Medical Neurology Branch

541. Eric Emmons

Using transcranial magnetic stimulation to measure the effects of reward on primary motor cortex excitability

St. Olaf College

Hometown: Northfield, MN

Dr. Eric Mooshagian,

Dr. Aysha Keisler, Preceptors

Brain Stimulation Unit

542. Sophia Francis

Cortical Silent Period Duration and Its Implications for Surround Inhibition of a Hand Muscle

Montgomery College

Hometown: Hyattsville, MD
Dr. Sahana Kukke, Preceptor
Medical Neurology Branch

543. Anna Green

Gene Editing Using TALE-Nuclease

Thomas Jefferson high school for science and technology

Hometown: Lorton, VA

Dr. Black Wang, Preceptor

Surgical Neurology Branch

544. Daniel J Gross

Mechanisms of Catecholamine Hyper Concentration in Cells Expressing Mutant Alpha-Synuclein

The Commonwealth Medical College

Hometown: Scranton, PA

Dr. David S. Goldstein, Preceptor

Clinical Neurocardiology Section

545. Benjamin J Haner

Comparing Antibody Responses of HTLV Infected Individuals and Healthy Normal Individuals

Walter Johnson High School

Hometown: Rockville, MD

Mr. Matt McCormick, Preceptor

Neuroimmunology Branch

546. Brittany L Heckel

Crossmodal Effects of Exposure to Auditory Sequences on the Performance of Motor Sequences

Georgetown University

Hometown: Wilmington, DE

Dr. Marianne A. Stephan, Preceptor

Human Cortical Physiology and Stroke Neurorehabilitation

547. Thanh-Liem Huynh-Tran

The Effect of Brain Damage on Everyday Social Problem Solving

Cate High School

Hometown: Santa Barbara, CA

Dr. Frank Krueger,

Ms. Kris Knutson, Preceptors

Cognitive Neuroscience Section

548. Anika S Jain

Results of a natural history study of congenital muscular dystrophy

Richard Montgomery High School

Hometown: Gaithersburg, MD
Dr. Katy Meilleur,
Dr. Carsten Bonnemann, Preceptors
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549. Rakhee S Jain

Skin Findings in Patients with Congenital Muscular Disease
Richard Montgomery High School
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550. Rakhee S Jain

Dermatological Findings in Patients with Congenital Muscle Disease
Richard Montgomery High School
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551. Darryl Kalil

Changes in White Matter Connectivity after Transcranial Magnetic Stimulation In Primary Motor Cortex
University of North Carolina-Chapel Hill
Hometown: Washington, DC
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Human Cortical Physiology and Stroke Neurorehabilitation

552. Riad M Kherdeen

Activity Deprivation Followed by Genetic Ablation of Adult Stem Cells Reveals Differential Replacement of Olfactory Bulb Interneurons
New York University
Hometown: Bethesda, MD
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553. Xiaoxin Li

Investigating immunomodulatory responses to E-selectin tolerization in both mouse and rat in vivo and in vitro models of ischemia
Boston University School of Medicine
Hometown: Frederick, MD
Dr. John Hallenbeck,
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Stroke Branch

554. Jerry Y Liu

Characterizing the role of SMN protein in cytoskeletal dynamics

Dartmouth College

Hometown: Round Hill, VA

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Neurogenetics Branch

555. Graham P Lobel

The Effect of Temporal Lobectomy Volume on Seizure Outcome

Thomas Jefferson High School for Science and Technology

Hometown: McLean, VA

Dr. William Theodore, Preceptor

Clinical Epilepsy Section

556. Danielle Locust

The Investigation of HHV6A Intranasal Infection in the Common Marmoset

University of Colorado Denver

Hometown: Pine Ridge, SD

Dr. Steve Jacobson, Preceptor

Neuroimmunology Branch

557. Adrienne Ma

Purification of Wildtype and Mutated Forms of Snapin To Study Its Interaction with Motor Proteins

Northwestern University

Hometown: Potomac, MD

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Synaptic Function Unit

558. Mary Kate Macedonia

Activation of Microglia and Macrophages for use in Glioma Immunotherapy

Walter Johnson High School

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Surgical Neurology Branch

559. Valeria Martinez

Neuroanatomic Correlates of the Mirror SRTT

University of Nevada Las Vegas

Hometown: Hyattsville, MD

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560. Julia A Meade

Screening for G protein pathway-biased D2 dopamine receptor modulators

Vassar College
Hometown: Chevy Chase, MD
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561. David Moosavi

Resting State Connectivity in Parkinson's Disease
Santa Monica College
Hometown: Olney, MD
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Medical Neurology Branch

562. Felacita L Nez

Slow Cortical Potential and the Visual Threshold
Hofstra University
Hometown: Aurora, CO
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563. Kaitlin O'Shaughnessy

An iPS Cell-Derived Microglial Vaccine for Malignant Brain Tumors
Colgate University
Hometown: Washington, DC
Dr. John Park, Preceptor
Surgical Neurology Branch

564. Kaitlin O'Shaughnessy

An iPS Cell-Derived Microglial Vaccine for Malignant Brain Tumors
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565. Abigail J Ostriker

Monte Carlo Simulation of Glutamate Diffusion at a Dyad Synapse in the Retina
Montgomery Blair High School
Hometown: Silver Spring, MD
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Synaptic Physiology Unit

566. Joseph Pawlowski

Identifying CSF Biomarkers of Oxidative Stress in Patients with Multiple Sclerosis
The George Washington University School of Medicine
Hometown: Washington, DC
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567. Aravind S Ponukumati

Tau Phosphorylation in Alzheimer's Disease

Thomas Jefferson High School for Science and Technology

Hometown: Chantilly, VA

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568. Karishma A Popli

GABA Spectroscopy in Tourette's Syndrome

Thomas Jefferson High School for Science and Technology

Hometown: Fairfax, VA

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Dr. Silvina Horovitz, Preceptors

Medical Neurology Branch

569. Bowen Qiu

Protocol for Establishing Relationships among Regulatory Enhancers Based on Shared Sequence Elements

Columbia University

Hometown: Andover, MA

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Intramural Information Technology Program

570. Theodore L Roth

Meningeal Compression Induces a Highly Dynamic Microglial Injury Response

Stanford University

Hometown: Birmingham, AL

Dr. Dorian McGavern, Preceptor

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571. Kevin C Rudd

Evaluating m-Cherry as an Acid Stable Fluorescent Indicator of Lysosomal Protein Degradation

Walt Whitman High School

Hometown: Bethesda, MD

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572. Namratha Sastry

Changes in the GnRH-1 Neuronal System in Gli3 Knockout Mice

West Virginia University

Hometown: Morgantown, WV

Dr. Susan Wray,
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573. Amy Shafqat

Coordination of Body-Wall Muscle Activity during Locomotion in C. elegans
John Carroll University
Hometown: Lakewood, OH
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Developmental Neural Plasticity Unit

574. Sahar Shahamatdar

In search of adult neural stem cells: a novel method to identify their true phenotype
Brown University
Hometown: Rockville, MD
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Laboratory of Neurophysiology

575. Rashmi P Singh

Influence of the menstrual cycle on performance of new motor skill learning when training under a reward condition.
University of Maryland Baltimore County
Hometown: Potomac, MD
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Human Cortical Physiology and Stroke Neurorehabilitation

576. Rini Singh

Olfactory Model of Alzheimer's Disease Reveals Rapid Disruption and Recovery of APP-induced Neural Circuit Deficits
University of Maryland University College
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577. Rachel Sullivan

Neurochemical Assessment of Interactions between Alpha-synuclein and Catecholamines in Rat Pheochromocytoma PC-12 Cells
Medical College of Wisconsin
Hometown: Clinton Township, MI
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Clinical Neurocardiology Section

578. Michael Sun

Expression of Tumor Markers in Hemangioblastomas
University of Illinois

Hometown: Lisle, IL
Dr. Marsha Merrill, Preceptor
Surgical Neurology Branch

579. Elizabeth M Sweeney

Modeling Early Blood-Brain-Barrier Permeability Changes in the Normal-Appearing White Matter of a Marmoset Model of MS

Johns Hopkins Bloomberg School of Public Health
Hometown: Baltimore, MD
Dr. Daniel S. Reich, Preceptor
Neuroimmunology Branch

580. Max Valenstein

Engineering Spastin to Gain Insight into Its Biophysical Mechanism

Yale University
Hometown: Bethesda, MD
Dr. Antonina Roll-Mecak, Preceptor
Cell Biology and Biophysics unit

581. Benjamin Y Wang

The Role of Ras64 gene in Nervous System Development

Holmdel High School
Hometown: Holmdel, NJ
Dr. Jeong-Kuen Song,
Dr. Edward Giniger, Preceptors
Axon Guidance and Neural Connectivity Unit

582. Sandra C Yan

Using MRI to Study Iron Concentration in Various Brain Regions of Patients with Focal Hand Dystonia

Montgomery Blair High School
Hometown: Derwood, MD
Dr. Silvina Horovitz,
Dr. Mark Hallett, Preceptors
Medical Neurology Branch

583. Sarah Yang

Novel interactions of proteins involved in hereditary spastic paraplegias

University of Maryland- College Park
Hometown: Potomac, MD
Dr. Craig Blackstone, Preceptor
Cellular Neurology Unit

584. Giorgio F Young

Cellular pathogenic mechanisms underlying hereditary spastic paraplegia type SPG15

Sidwell Friends School

Hometown: Washington, DC
Dr. Craig Blackstone, Preceptor
Cellular Neurology Unit

585. Nadia Yusuf

Psychogenic Ear Clicking
Howard University College of Medicine
Hometown: Rockville, MD
Dr. Aviva Ellenstein,
Dr. Sarah M. Kranick, Preceptors
Medical Neurology Branch

National Institute of Nursing Research (NINR)

586. Sarah Abey

Gene Expression Profiles in Patients With and Without Fatty Liver
Wake Forest University
Hometown: Bethesda, MD
Dr. Wendy Henderson, Preceptor
Symptom Management Laboratory

587. Rebecca Berger

Relationship of quality of sleep and genetics in patients with and without chronic abdominal pain
University of Pennsylvania
Hometown: Darnestown, MD
Dr. Wendy Henderson,
Ms. Angela Martino, Preceptors
Symptom Management Laboratory

588. Brittany L Bryant

Utilizing a Computerized Method for Patients Perception of Pain
Hampton University
Hometown: Laurel, MD
Dr. Wendy Henderson,
Dr. Arseima Y. Del Valle-Pinero, Preceptors
Symptom Management Laboratory

589. Jay E Feldman

Symptoms Reported by Men with Non-Metastatic Prostate Cancer Receiving Localized Radiation Therapy
Thomas Sprigg Wootton High School
Hometown: Bethesda, MD
Dr. Leoroy Saligan, Preceptor

Symptom Management Laboratory

590. Sarah Harari

Health-Related Quality of Life Declines During External Beam Radiation Therapy in Men with Non-metastatic Prostate Cancer

Thomas Sprigg Wootton High School

Hometown: Potomac, MD

Dr. Leorey Saligan, Preceptor

Symptom Management Laboratory

591. Olivia M Hussey

Changes in Dimensions of Fatigue Reported by Men with Non-Metastatic Cancer Receiving External Beam Radiation Therapy

Connelly School of the Holy Child

Hometown: Germantown, MD

Dr. Leorey Saligan, Preceptor

Symptom Management Laboratory

National Institute on Aging (NIA)

592. Jennifer A Boyko

Modeling the Trajectory of Cognitive Decline with Non-Ignorable Missing Data

University of Connecticut

Hometown: Nutley, NJ

Dr. Binbing Yu, Preceptor

Laboratory of Epidemiology, Demography and Biometry

593. Patrick M Chen

Understanding Atherosclerosis: Age and LDL Dependent Alterations in Monkey Endothelial Cells

Dartmouth College

Hometown: Portland, OR

Dr. Mingyi Wang, Preceptor

Laboratory of Cardiovascular Science

594. Patrick Chirdon

Effects of Calorie Restriction on Taste Buds in Circumvallate Papillae

Case Western Reserve University

Hometown: Mentor, OH

Dr. Bronwen Martin,

Dr. Huan Cai, Preceptors

Laboratory of Clinical Investigation

595. Sarah C Collica

Cognitive effects of endurance related compound AICAR: from muscle to brain
Yale University
Hometown: Metuchen, NJ
Dr. Henriette van Praag,
Dr. Tali Kobil, Preceptors
Laboratory of Neurosciences

596. DeAngelo T Criss

The effect of Camptothecin on Mutation Frequency in DT40 B Cells
Hampton University
Hometown: Lancaster, SC
Dr. Patricia Gearhart,
Dr. Zheng Cao, Preceptors
Laboratory of Molecular Biology and Immunology

597. Geneva T Dodson

An investigation of construct validity in the HANDLS cognitive battery
University of Virginia
Hometown: Charlottesville, VA
Dr. Alan B. Zonderman, Preceptor
Laboratory of Behavioral Neuroscience

598. Shakeela Faulkner

Are Extra-Mitochondrial Redox Enzymes Involved in the Development of Muscle Atrophy?
Brown University
Hometown: Flemington, NJ
Dr. Evi Mercken, Preceptor
Laboratory of Experimental Gerontology

599. Michelle L Gillespie

Identifying the FANCM Elements Required for Stabilizing the MHF Tetramer and Promoting Branch DNA Binding
College of William & Mary
Hometown: Needham, MA
Dr. David Fox III,
Dr. Weidong Wang, Preceptors
Laboratory of Genetics

600. Kassimier Haynes

How Does a Lack of Lhx8 Lead to Oocyte Loss in the Ovary?
Norfolk State University
Hometown: Norfolk, VA
Dr. Emanuele Pelosi, Preceptor
Laboratory of Genetics

601. Dustin M Hickman

Pten Signaling and the Aging Process
Community College of Baltimore County
Hometown: Baltimore, MD
Dr. Elisa M. Kawamoto, Preceptor
Laboratory of Behavioral Neuroscience

602. Twila A Hinds

Biochemical Analysis of Human DNA Repair Helicases that Partner to Disrupt Protein-DNA Complexes
University of Connecticut
Hometown: New Haven, CT
Dr. Robert Brosh,
Mr. Joshua Sommers, Preceptors
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603. Jessica M Johnson

Regulation of microRNA expression by AUF1 through Dicer
University Maryland Eastern Shore
Hometown: Winston Salem, NC
Dr. Myriam Gorospe,
Mr. Kotb Aly, Preceptors
Laboratory of Molecular Biology and Immunology

604. Irfan S Khan

Identification and Characterization of Novel FANCI Protein Interactions
Howard Community College
Hometown: Columbia, MD
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Dr. Suhasini Avvaru, Preceptors
Laboratory of Molecular Gerontology

605. Samuel E Klein

Altered Epigenetic Modifications in Postmortem Brain from Alzheimer's Patients
University of Michigan
Hometown: Deerfield, IL
Dr. Jagadeesh Rao, Preceptor
Brain, Physiology and Metabolism Section

606. Tomohiro Ko

Quantitative Image Analysis of the Aged Monkey Hippocampus
Dulaney High School
Hometown: Cockeysville, MD
Dr. Bonnie Fletcher,
Dr. Ilya Goldberg, Preceptors
Laboratory of Experimental Gerontology

607. Jennifer Larmore

Tissue specific transcriptional regulation of placental gene PLAC1

Florida Institute of Technology

Hometown: Clermont, FL

Dr. Ramaiah Nagaraja,

Dr. Yaohui Chen, Preceptors

Laboratory of Genetics

608. Hongwei Liu

Method for Detecting Telomere Length through Immunofluorescence

Ohio State University

Hometown: Columbus, OH

Dr. Yie Liu, Preceptor

Laboratory of Molecular Gerontology

609. Rebecca L McPherson

Cardiotonic steroids and cardiovascular remodeling in salt-sensitive hypertension

University of Delaware

Hometown: Willingboro, NJ

Dr. Olga Fedorova, Preceptor

Laboratory of Cardiovascular Science

610. Daniel Meyers

ECM Gene Expression Changes in an Ovarian Cancer Mouse Model

The Abraham Joshua Heschel School

Hometown: New York, NY

Dr. Pat Morin, Preceptor

Laboratory of Molecular Biology and Immunology

611. Maxwell I Moholy

Would you eat it? Value and saliency of food stimuli

Idaho State University

Hometown: Pocatello, ID

Dr. Dimitrios Kapogiannis, Preceptor

Clinical Research Branch

612. Brittany Moore

Characterizing the interaction between the DNA repair proteins NEIL1 and PARP-1

Spelman College

Hometown: Fayetteville, GA

Dr. Nicole Hooten,

Dr. Michele Evans, Preceptors

Laboratory of Molecular Biology and Immunology

613. Shamit A Patel

Omnimorph: A Multidimensional Discovery Tool for Molecular Biology and Clinical Data

University of Maryland, Baltimore County
Hometown: Columbia, MD
Dr. Stuart R. Maudsley, Preceptor
Laboratory of Neurosciences

614. Mario A Pita

A role for TLR4 in hippocampal dependent cognitive learning

University of Central Florida
Hometown: Orlando, FL
Dr. Eitan Okun,
Dr. Mark Mattson, Preceptors
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615. Kenneth M Rosenberg

Simulation of Degraded Cartilage Diagnosis Using Multiple MRI Parametric Analysis

University of Maryland
Hometown: Olney, MD
Dr. Ping-Chang Lin,
Dr. Richard Spencer, Preceptors
Laboratory of Clinical Investigation

616. Shweta Shukla

Monkeying Around with LDL: Differential uptake of oxidized LDL in aged vs. young Vascular Smooth Muscle Cells

Duke University
Hometown: cockeysville, MD
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Laboratory of Cardiovascular Science

617. Melissa J Shultz

Clostridium perfringens enterotoxin as a Potential Therapeutic Agent in Ovarian Cancer

Stevenson University
Hometown: Baltimore, MD
Dr. Patrice Morin, Preceptor
Laboratory of Cellular and Molecular Biology

618. Chorong Song

Examining expression and binding of telomere associated protein to telomere during different stages of cell cycle

Johns Hopkins
Hometown: Timonium, MD
Dr. Liu Yie, Preceptor
Laboratory of Molecular Gerontology

619. Jo Eun Song

Effects of chronic treatment with a broad spectrum MMP inhibitor, doxycycline on aortas in the mouse model of vascular Ehler-Danlos syndrome.

Roland Park Country School

Hometown: Timonium, MD

Dr. Mark Talan,

Dr. Hyun-Jin Tae, Preceptors

Laboratory of Cardiovascular Science

620. Courtney Streater

Posttranscriptional regulation of telomerase reverse transcriptase in Human T cells

University of Maryland Eastern Shore

Hometown: Baltimore, MD

Dr. Nan-Ping Weng,

Dr. Jie An, Preceptors

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621. Alexander V Tereshchenko

Age Differences during Risky Decision Making

University of Michigan

Hometown: Ellicott City, MD

Dr. Joshua Goh,

Dr. Lori Beason-Held, Preceptors

Laboratory of Personality and Cognition

622. Naakaii H Tsosie

Analysis of AID-dependent mutagenesis in the chicken C-MYC locus

Brigham Young University

Hometown: Provo, UT

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623. Katherine W Turlington

The Effect of Age on DNA Repair Capacity in Follicular B Cells

University of Maryland

Hometown: Cockeysville, MD

Dr. Patricia Gearhart,

Dr. Robert Maul, Preceptors

Laboratory of Molecular Biology and Immunology

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

624. Daniel J Cheng

TGF-beta induces liver injury and inflammation

Richard Montgomery High School
Hometown: Rockville, MD
Dr. Ogyi Park, Preceptor
Laboratory of Liver Diseases

625. Danielle K George

*Craniofacial abnormalities in mice are associated with altered *Plag1* gene expression in the sbse mouse*

University of Pittsburgh
Hometown: Rockville, MD
Dr. Colin A. Hodgkinson, Preceptor
Laboratory of Neurogenetics

626. Richard Hildreth

Effect of Chronic Pre-Natal Ethanol Exposure on the Phospholipid Composition of Neural Membranes in Mice

Princeton University
Hometown: Potomac, MD
Dr. Hee Yong Kim,
Mr. Karl Kevala, Preceptors
Laboratory of Molecular Signaling

627. Malek Kechrid

Poly(ADP-ribose)polymerase-1 is a key mediator of cisplatin-induced kidney inflammation

University of Maryland Baltimore County
Hometown: Columbia, MD
Dr. Partha Mukhopadhyay,
Dr. Pal Pacher, Preceptors
Laboratory of Physiologic Studies

628. Vivek Patel

Cannabidiol attenuates cardiac dysfunction, oxidative stress, fibrosis, and inflammatory and cell death signaling pathways in diabetic cardiomyopathy

The George Washington University
Hometown: Rockville, MD
Dr. Partha Mukhopadhyay,
Dr. Pal Pacher, Preceptors
Laboratory of Physiologic Studies

629. Jihan Ryu

Effects of Ethanol Treatment on the Neural Stem Cell Epigenome

Dartmouth College
Hometown: Rockville, MD
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Laboratory of Neurogenetics

630. Caitlin M Schaapveld

Investigating the pharmacokinetics of a novel FAAH inhibitor, AM3506

Drake University

Hometown: Janesville, WI

Dr. Andrew Holmes, Preceptor

Laboratory for Integrative Neuroscience

631. Galin Tanchian

A new cannabinoid CB2 receptor agonist HU-910 attenuates oxidative stress, inflammation and cell death associated with hepatic ischaemia/reperfusion injury

Magruder High School

Hometown: Derwood, MD

Dr. Partha Mukhopadhyay,

Dr. Pal Pacher, Preceptors

Laboratory of Physiologic Studies

632. Max L Wang

Studying RNA Synthesis in the Mouse Brain using 5-ethynyl uridine (EU)

Thomas Jefferson High School for Science and Technology

Hometown: Rockville, MD

Dr. Philip J. Brooks, Preceptor

Laboratory of Neurogenetics

633. Karina J Yu

Omega-3 Status in Pregnancy: The Project Viva Longitudinal Study

Columbia University

Hometown: Diamond Bar, CA

Dr. Joseph R. Hibbeln, Preceptor

Laboratory of Membrane Biochemistry and Biophysics

National Institute on Deafness and Other Communication Disorders (NIDCD)

634. Rachel E Baron

Vestibular Phenotype of EVA

University of Virginia

Hometown: North Potomac, MD

Dr. Carmen Brewer,

Dr. Andrew Griffith, Preceptors

Otolaryngology Branch

635. Colin W Hoy

Multimodal Parcellation of Regions of Interest in a Human Brain Atlas for Functional Imaging Analysis

Hendrix College
Hometown: Baton Rouge, LA
Dr. Allen Braun,
Dr. Yisheng Xu, Preceptors
Voice, Speech and Language Branch

636. Vincent Luo

Role of cytoskeletal proteins in determining cell structure and elasticity
Rutgers University
Hometown: Bergenfield, NJ
Dr. Nuria Gavara,
Dr. Richard Chadwick, Preceptors
Laboratory of Cellular Biology

637. Govind S Mattay

Denoising the speaking brain: characterizing articulation-related fMRI artifacts with gestural scores
Thomas Jefferson High School for Science and Technology
Hometown: Mclean, VA
Dr. Yisheng Xu,
Dr. Allen Braun, Preceptors
Voice, Speech and Language Branch

638. Siyu Qiu

Identification of p63 and p73 Binding Sites in Head & Neck Squamous Cell Carcinomas using Enzyme-linked Immunosorbent Assays (ELISAs)
University of California, Berkeley
Hometown: Potomac, MD
Dr. Zhong Chen, Preceptor
Head and Neck Surgery Branch

639. Katherine E Swett, Colin Hoy

Functional brain dynamics during spontaneous narrative production: an fMRI study
George Mason University
Hometown: Burke, VA
Hendrix College
Hometown: Baton Rouge, LA
Dr. Allen Braun, Preceptor
Voice, Speech and Language Branch

National Institute on Drug Abuse (NIDA)

640. Muta M Abiff

Identification of Brain CB2 Receptors with a New Mouse CB2 Receptor Antibody
Charlotte Amalie High School

Hometown: St. Thomas, VI
Dr. Zhengxiong Xi,
Dr. Haiying Zhang, Preceptors
Chemical Biology Research Branch

641. Sumayyah K Abiff

Observing the Effects of PTEN Deletion in Dopamine Neuronal Transplants
Charlotte Amalie High School
Hometown: Baltimore, MD
Dr. Cristina M. Bäckman, Preceptor
Cellular Neurobiology Research Branch

642. Shannon Y Adams

Mechanisms of Daunomycin-Induced Neuronal Inactivation: FOS Immunohistochemistry
Phillips Academy
Hometown: Reisterstown, MD
Dr. Bruce Hope, Preceptor
Behavioral Neuroscience Research Branch

643. Franchesca Ali

Methamphetamine self-administration is associated with changes in the expression of glutamate NMDA receptors in the rat dorsal striatum
Johns Hopkins University
Hometown: Baltimore, MD
Dr. Irene Krasnova, Preceptor
Molecular Neuropsychiatry Branch

644. Pereviva E Besong

The Effects of Cocaine and Heroine on the expression of NMDA receptors in the rat nucleus accumbens
Friendship Academy of Science and Technology
Hometown: Baltimore, MD
Dr. Jean L. Cadet,
Mr. Micheal McCoy, Preceptors
Behavioral Neuroscience Research Branch

645. Ashley P Brock

Effects of Food Deprivation on the Response to Dopamine D3 Agonists
Concord Academy
Hometown: New York, NY
Dr. Jonathan Katz,
Ms. Dawn French-Evans, Preceptors
Medications Discovery Research Branch

646. Connie Chen

Modulation of Subventricular Zone cell migration in vitro

River Hill High School
Hometown: Clarksville, MD
Dr. Yun Wang, Preceptor
Molecular Neuropsychiatry Branch

647. Adrian Chernyk

Effects of Caffeine on Lever Pressing for an External Stimulus in a Rat Model
Lafayette College
Hometown: New York, NY
Dr. Satoshi Ikemoto, Preceptor
Behavioral Neuroscience Research Branch

648. Shibani R Chettri

METH and PG01037 effects on Fos family gene expression in rat nucleus accumbens
Paint Branch High School
Hometown: Baltimore, MD
Dr. Bruce Ladenheim, Preceptor
Molecular Neuropsychiatry Branch

649. Safiya N Correia

Dopaminergic, GABAergic and Glutamatergic Neurons in the Ventral Tegmental Area and the Adjacent Midline Nuclei
Wheaton High School
Hometown: Silver Spring, MD
Dr. Marisela Morales, Preceptor
Cellular Neurobiology Research Branch

650. Ameya A Deshmukh

The effects of Cadherin 13 (CDH13) gene knockout on oral nicotine consumption in mice
Upper Arlington High School
Hometown: Baltimore, MD
Dr. Frank S. Hall, Preceptor
Molecular Neurobiology Branch

651. Sheila A Dougherty

The Effects of BDNF Val66Met and Childhood Trauma on Resting-State Functional Connectivity in Healthy Volunteers
California State University
Hometown: Baltimore, MD
Dr. Yihong Yang,
Dr. Betty Jo Salmeron, Preceptors
Neuroimaging Research Branch

652. Kathryn C Edwards

Neurobiological Mechanisms of Timing Perception in Smokers
American University

Hometown: Washington, DC
Dr. Elliot Stein, Preceptor
Neuroimaging Research Branch

653. Obioma J Ekeledo

Effect of the Toll-like receptor 4 antagonist (+)-naloxone and the mu opioid receptor antagonist (-)-naloxone on heroin reward in rats

University of Georgia
Hometown: Macon, GA
Dr. Yavin Shaham, Preceptor
Behavioral Neuroscience Research Branch

654. Christian M Fisher

The effects of gene knockout of the cell adhesion molecule NrCAM in standard tests of learning and memory

College of Notre Dame
Hometown: Edgewood, MD
Dr. Scott Hall, Preceptor
Molecular Neurobiology Branch

655. Nathaniel Fry

Regulating Cellular Redox and Lipogenesis: roles of the Insig-Sigma-1 receptor complex

Liberty University
Hometown: Hanover, MD
Dr. Teruo Hayashi,
Dr. Tsung-Ping Su, Preceptors
Integrative Neuroscience Research Branch

656. Marne A Garretson

Effects of Rimcazole on Cocaine-Induced Dopamine Release

Bard College at Simon's Rock
Hometown: Owings Mills, MD
Dr. Jonathan Katz,
Dr. Gianluigi Tanda, Preceptors
Medications Discovery Research Branch

657. Shu Hayashi

Can the stereotypy-inducing effects of atypical dopamine uptake inhibitors account for their blockade of cocaine self administration

Dulaney High School
Hometown: Cockeysville, MD
Dr. Jonathan Katz,
Ms. Dawn French-Evans, Preceptors
Medications Discovery Research Branch

658. Devon Hitt

The effects of methamphetamine self-administration on the expression of BDNF and glutamate AMPA receptors in the rat dorsal striatum

Roland Park Country School

Hometown: Towson, MD

Dr. Irina Krasnova, Preceptor

Molecular Neuropsychiatry Branch

659. Keenan T Hope

Developing Infrared Fluorescent Protein for In Vitro and In Vivo Imaging of Neurons

Long Reach High School

Hometown: Baltimore City, MD

Dr. Brandon K. Harvey, Preceptor

Molecular Neuropsychiatry Branch

660. Xingyu Hou

Expression of mu opioid receptor (MOR) and its isoforms in rat dorsal and ventral striatum after heroin withdraw

Dulaney High School

Hometown: Cockeysville, MD

Dr. Qing-Rong Liu, Preceptor

Behavioral Neuroscience Research Branch

661. Alexandra N Houston-Ludlam

The effects of gene knockout of the vesicular monoamine transporter 2 (VMAT2; SLC18A2) and the dopamine transporter (DAT; SLC3A6) on ethanol consumption.

University of Maryland, College Park

Hometown: College Park, MD

Dr. F. Scott Hall, Preceptor

Molecular Neurobiology Branch

662. Elizabeth E Inyang

Pavlovian Training in Mice

Oxon Hill High School

Hometown: Fort Washington, MD

Dr. Billy T. Chen, Preceptor

Cellular Neurobiology Research Branch

663. Ntiense Inyang

Toxic Doses of Methamphetamine Cause Activation of the TGF-beta/Smad Signal Transduction Pathway

Dallastown Area High School

Hometown: Baltimore, MD

Ms. Genevieve Beauvais, Preceptor

Molecular Neuropsychiatry Branch

664. Thao A Khuc

Effects of Phencyclidine on locomotor and visual sensation seeking activity within rats.
University of Maryland College Park
Hometown: Fulton, MD
Dr. Satoshi Ikemoto, Preceptor
Behavioral Neuroscience Research Branch

665. Nadji Lambert

Hair Drug Concentrations Compared With Self-Reported Drug Use and Urine Tests in Applicants for an MDMA (Ecstasy) Clinical Study
Northwood High School
Hometown: Silver Spring, MD
Dr. Marilyn A. Huestis, Preceptor
Clinical Pharmacology and Therapeutics Research Branch

666. Kun Leng

The distribution of the acyl, plasmalogen, and ether forms of phosphatidylethanolamine in rat brain
Dulaney High School
Hometown: Timonium, MD
Dr. Amina Woods, Preceptor
Integrative Neuroscience Research Branch

667. Daniel R Lindberg

Central Modulation of Nociception: The Role of the mPFC in a Spared Nerve Injury Model of Neuropathic Pain
University of Virginia
Hometown: Trumbull, CT
Dr. Toni Shippenberg, Preceptor
Integrative Neuroscience Research Branch

668. Daniel R Lindberg

Central Modulation of Nociception: The Role of the mPFC in a Spared Nerve Injury Model of Neuropathic Pain
University of Virginia
Hometown: Trumbull, CT
Dr. Toni Shippenberg, Preceptor
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669. Weiyue (Cecilia) Lu

The Effect of COMT Val158Met Genotype and Childhood Abuse on Brain Structure in Healthy Volunteers
Centennial High School
Hometown: Baltimore, MD
Dr. Yihong Yang,
Dr. Betty Jo Salmeron, Preceptors
Neuroimaging Research Branch

670. Joelle M Meriwether

Neuroprotective Effects of 9-cis-Retinoic Acid in a Rodent Model of Methamphetamine Neurotoxicity

The Bullis School

Hometown: kettering, MD

Dr. Yun Wang,

Mr. David J. Reiner, Preceptors

Molecular Neuropsychiatry Branch

671. julie Najjar

Assessment of cocaine-induced behavioral effects in marmoset monkeys

California State University, Chico

Hometown: Roseville, CA

Dr. Anabelle Belcher, Preceptor

Neuroimaging Research Branch

672. OJEL N NDUANYA

AMPA Receptor Expression in the Nucleus Accumbens after Chronic Methamphetamine Exposure

Bowie High School

Hometown: Upper Marlboro, MD

Ms. Subramaniam Jayanthi, Preceptor

Molecular Neuropsychiatry Branch

673. Joshua D Newman

The effects of methamphetamine and PG 01037 on the expression of jun family members in rat nucleus accumbens

University of Virginia

Hometown: Phoenix, MD

Dr. Bruce Ladenheim, Preceptor

Molecular Neuropsychiatry Branch

674. Antonia N Nwankwo

Effects of SB-277011A on Cocaine's action on Impulsive Behavior in rats using a Reward-delay discounting model

Hampton Univeristy

Hometown: Youngstown, OH

Dr. Eliot L. Gardner,

Dr. Zheng-Xiong Xi, Preceptors

Behavioral Neuroscience Research Branch

675. Afolayan K Oladeji

Is dominance status a potential confound in studies of transgenic mice?

Mark T. Skinner Elementary

Hometown: Baltimore, MD

Dr. Frank S. Hall, Preceptor
Molecular Neurobiology Branch

676. Tolu N Omokehinde

The Role of PTX3 in Chronic Pain

Montgomery Blair High

Hometown: Silver Spring, MD

Dr. Toni Shippenberg, Preceptor

Integrative Neuroscience Research Branch

677. Connor P Reeves

Dopaminergic and Glutamatergic Mesoaccumbal Neurons in Mice

University of Maryland

Hometown: Columbia, MD

Dr. Marisela Morales, Preceptor

Cellular Neurobiology Research Branch

678. Rodden J Reyes

Examining the relationship between ER stress and the neurotrophic factor MANF

Patterson High School

Hometown: Baltimore, MD

Dr. Brandon K. Harvey, Preceptor

Molecular Neuropsychiatry Branch

679. Vani P Selvam

Mechanism of Daunomycin-Induced Neuronal Inactivation: Caspase-3

Marriotts Ridge High School

Hometown: Woodstock, MD

Dr. Bruce Hope, Preceptor

Behavioral Neuroscience Research Branch

680. Katherine M Serafine

The role of monoamines in cocaine-induced conditioned taste aversions

American University

Hometown: Washington, DC

Dr. Scott Hall,

Dr. George Uhl, Preceptors

Molecular Neurobiology Branch

681. Siyuan P Sheng

Effects of CTDP32476, a long-acting DAT inhibitor, on cocaine-taking and cocaine-seeking behavior in rats

University of North Carolina - Chapel Hill

Hometown: Chapel Hill, NC

Dr. Zheng-Xiong Xi, Preceptor

Chemical Biology Research Branch

682. Stephanie S Shim

Identification of Novel Allosteric Dopamine Transporter Modulators

Temple University School of Medicine

Hometown: Harleystown, PA

Dr. Richard B. Rothman, Preceptor

Chemical Biology Research Branch

683. Paul Sohn

Effects of Oleoylethanolamide on Memory in Mice

Dartmouth College

Hometown: Las Vegas, NV

Dr. Charles Schindler,

Dr. Jana Drgonova, Preceptors

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684. Brandon L Warren

The Effects of Cocaine Place Preference on Hippocampal Spinogenesis in Mice.

Florida State University

Hometown: Tallahassee, FL

Dr. Scott Hall, Preceptor

Molecular Neurobiology Branch

685. Kia A Watson

The effects of self-administered cocaine and heroin on the expression of AMPA receptors in the rat nucleus accumbens

Richmond Community High School

Hometown: Baltimore, MD

Dr. Michael McCoy, Preceptor

Molecular Neuropsychiatry Branch

686. Belinda D Weinberg

Behavioral economics of food reinforcement and the effects of extinction in dopamine D2 and D3 receptor mutant mice

University of Rochester

Hometown: Baltimore, MD

Dr. Jonathan Katz, Preceptor

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687. Gabriel Yepes

Effect of adenosine A2A receptor blockade on electrical cortical stimulation -induced electromyographic jaw response

Montgomery College

Hometown: Bethesda, MD

Dr. Cesar Quiroz-Molina, Preceptor

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688. Niharika Yerrapragada

Effects of Nicotine on locomotor activity and visual sensation seeking in rats.

Legacy High School

Hometown: Winter Garden, FL

Dr. Satoshi Ikemoto, Preceptor

Behavioral Neuroscience Research Branch

689. Bill S Yu

VTA dopamine and glutamate levels associated with second-order schedules of cocaine reinforcement in rats

Johns Hopkins University

Hometown: Ashburn, VA

Dr. Stephan Steidl,

Ms. Katherine M. Cardiff, Preceptors

Behavioral Neuroscience Research Branch

690. April P Zhu

Phenotypic Characterization of Mesencephalic Astrocyte-Derived Neurotrophic Factor (MANF) Deficiency in C. elegans

Wellesley College

Hometown: Ellicott City, MD

Dr. Christopher Richie, Preceptor

Molecular Neuropsychiatry Branch

National Library of Medicine (NLM-NCBI)

691. Sarah Boutom

Characterizing the Sigma-70 Family of Transcription Initiation Factors for the Conserved Domain Database

Academy for the Advancement of Science and Technology

Hometown: Fair Lawn, NJ

Dr. Aron Marchler-Bauer, Preceptor

Computational Biology Branch

692. Aditi Sarkar

Evolution of Keratins in Vertebrates: Implications for Origin of Feathers

Montgomery Blair High School

Hometown: Potomac, MD

Dr. Aravind L. Iyer, Preceptor

Computational Biology Branch

NIH Clinical Center (CC)

693. Ben D Ayotte

Co-distribution and co-localization analysis of NF-kB and IRF-1 in synchronized melanoma cell lines

Northern Michigan University

Hometown: Escanaba, MI

Dr. Francesco Marincola, Preceptor

Department of Transfusion Medicine

694. Prerana M Bhatia

Thermal Ablation Planning for Cancerous Nodules

University of Minnesota - Twin Cities

Hometown: Rochester, MN

Dr. Ankur Kapoor,

Dr. Robert Lutz, Preceptors

Radiology and Imaging Sciences

695. Michael D Cecil

Identifying Sources of False Positive and Negative Results in Next-generation Sequencing Analysis Datasets

Virginia Tech

Hometown: Centreville, VA

Ms. Julie Niemela,

Dr. Joao Oliveira, Preceptors

Department of Laboratory Medicine

696. Vivek R Chellappa

Computer-aided Detection of Lymphadenopathy in Patients with Chronic Lymphocytic Leukemia

Georgetown University School of Medicine

Hometown: Arlington, VA

Dr. Ronald M. Summers, Preceptor

Radiology and Imaging Sciences

697. Katherine Chen

T1 Mapping: Quantification of Liver Fibrosis with MRI

University of Maryland - College Park

Hometown: Ellicott City, MD

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Dr. Evrim Turkbey, Preceptors

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698. Yee-Ling E Chim

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