

**CURRICULUM VITAE  
OREGON HEALTH & SCIENCE UNIVERSITY**

<b>NAME</b>	<b>Dongseok Choi</b>	<b>DATE</b>	<b>1/28/2010</b>
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**PRESENT POSITION AND ADDRESS**

<b>Academic Rank:</b>	<b>Associate Professor</b>
<b>Department/Division:</b>	<b>Public Health &amp; Preventive Medicine / Biostatistics</b>
<b>Professional Address:</b>	<b>3181 S.W. Sam Jackson Park Road, CB669 Portland, OR 97239-3098</b>
<b>E-Mail Address:</b>	<a href="mailto:choid@ohsu.edu"><b>choid@ohsu.edu</b></a>

**II. EDUCATION**

**Undergraduate and Graduate:**

1988	BS	Computer Science and Statistics	Seoul National University, Korea
1999	PhD	Statistics	The University of Chicago

**Honors, Fellowships, Awards**

1988	Magna cum laude, Seoul National University
1988	University Fellowship, The University of Chicago
1997	Young Professional, The Organization of Economic Cooperation & Development
2003	Travel award for National Bureau of Economic Research/National Science Foundation Time Series conference
2007	The Chair's Award for the Excellence in Service, Department of Public Health & Preventive Medicine, Oregon Health & Science University
2008	The Chair's Award for the Excellence in Research, Department of Public Health & Preventive Medicine, Oregon Health & Science University
2008	Chapter Service Recognition Award, The American Statistical Association, awarded at the Joint Statistical Meeting in Denver, Colorado.

**III. PROFESSIONAL EXPERIENCE**

**Academic Positions:**

7/1999 – 6/2001	<b>Visiting Assistant Professor</b> , Statistics and Applied Probability,
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University of California, Santa Barbara, CA

- 8/2001 – 6/2002     **Assistant Professor**, Department of Mathematics & Statistics,  
Portland State University, Oregon
- 9/2001 – 6/2002     **Adjunct Assistant Professor**, Department of Public Health and  
Preventive Medicine, Oregon Health & Science University
- 6/2002 – 6/2007     **Assistant Professor**, Division of Biostatistics, Department of Public  
Health and Preventive Medicine, Oregon Health & Science University
- 6/2002 – 6/2007     **Adjunct Assistant Professor**, Department of Mathematics & Statistics,  
Portland State University, Oregon
- 7/2007 – Present     **Associate Professor**, Division of Biostatistics, Department of Public  
Health and Preventive Medicine, Oregon Health & Science University
- 7/2007 – Present     **Adjunct Associate Professor**, Department of Mathematics & Statistics,  
Portland State University, Oregon

**Administrative Positions:**

- 10/1997 – 9/1999     **Junior Administrator** (A-1 grade, Professional staff) The Organization  
for Economic Cooperation and Development in Paris, France.
- Worked in State of Environment Division, Environment Directorate
  - Published Environment Indicators: Towards Sustainable Development.
  - Drafted a monograph on the integration of transport and environment policies.
  - Developed environmental indicators and managed database.
  - Prepared statistics, tables and graphics for various publications.
  - Worked in Economics Department on the climate change project of sustainable development team.
  - Analyzed the implication of the Kyoto protocol for future CO<sub>2</sub> concentration.

**Other Professional Positions:**

- 11/1986 – 3/1987     **Research Assistant** (SAS programmer), Dept. of Preventive Medicine,  
Medical School, Seoul National Univ., Seoul, Korea.
- 9/1988 – 3/1991     **Teaching Assistant/Research Assistant**, Dept. of Statistics,  
The University of Chicago
- 4/1991 – 6/1993     **Research Assistant**, Graduate School of Business,

The University of Chicago, U.S.A.

- Worked on environmental projects of assessing long-term trends of ozone and temperature. NASA and NOAA funded projects.

7/1993 – 12/1994

**Military service**, Korean Army, Korea.

- Computer system manager for a division in Korean Army.
- Develop and maintain electronic transaction system of military supplies.

3/1996 – 7/1996

**Research Assistant**, Department of Statistics, National Tsing Hua Univ., Taiwan.

1/1995 – 10/1997

**Research Assistant**, Graduate School of Business, The University of Chicago

- Worked on environmental projects of assessing long-term trends of ozone, temperature and ultra violet radiation. Projects were funded by NASA, NOAA and Department of Energy of U.S.A.
- Developed statistical models and programs for projects.
- Performed system management for 3 UNIX workstations and several PC systems with many other peripherals.

#### IV. RESEARCH

##### Area(s) of Research/Scholarly Interest:

Current research interests are developing and refining statistical methods used in

- Clustering methods for high dimensional data
- Microarrays/Gene network/Motifs and Cis-Regulatory Module prediction
- Statistical methods/Analysis in Drug Abuse & Treatment
- Four dimensional medical imaging on T-cell movement
- Survey Methods/Analysis in medical education.
- Spatial temporal models for complex data from various medical, public health and environmental data.
- Statistical computing/Geographic Information System

##### Grants and Contracts:

###### Federal grants

R01 DA15237-01 *Gene array analysis of opioid system mutant mice*

- NIH
- Pintar/Nagalla (PI)
- 12/01/01 - 11/30/05
- Direct Costs: \$900,000

- Role/Effort: Biostatistician 15% (2002 - 2004)

R01EY015858-01A1 *Uveitis Gene-Expression Profiling*

- NIH/NEI
- Rosenbaum (PI)
- Direct Costs: \$1,344,339
- 6/1/05-5/31/09
- Role/FTE: Co-investigator, 19.1 - 25%

2 R01 EY013093-06 A1 *Four Dimensional Imaging of the Immune Response In Vivo*

- NIH/NEI
- Rosenbaum (PI)
- Direct Costs: \$2,287,332
- 2/1/06-1/31/11
- Role/FTE: Co-Investigator, 7.9% - 10%

P30EY10572B *Ophthalmology Core Facility Grant*

- NIH/NEI
- Rosenbaum (PI)/ Wirtz (Module director)
- Direct Costs: \$2,831,250
- 5/1/06-4/30/10
- Role/FTE: Biostatistician, 15.0% - 39.0%

K23 DA020487 *Facilitating Adolescent Recovery From Drug Abuse During Transitions in Care*

- National Institute on Drug Abuse
- Wisdom (PI)
- Direct Costs: \$737,247
- 5/1/06 - 4/30/11
- Role/FTE: Advisory Group Member, 3% (7/1/06 – 6/30/08)

P50 DA018165 *Methamphetamine Abuse Research Center*

- NIH/NIDA
- Janowsky(Center PI)
- Direct Costs: \$782,138/yr
- 9/01/06-6/30/11
- Role: Co-Principal Investigator, Biostatistics Core
- Main duty: Building central database system for all projects (currently about 15) and supervise the server management (SUN X4500, 24 TB disk array server)

R01 DC002368	Gillespie(PI)	6/30/05-6/30/10	0.6 Cal
• NIH/NIDCD			

- Hair-bundle proteins
- Aim 1 is to characterize hair-bundle cytoskeleton dynamics, Aim 2 is to localize myosin-1c and determine how it couples to the transduction apparatus, Aim 3 is to examine the contribution of cadherin 23 and protocadherin 15 to the tip link, Aim 4 is to identify the transduction channel, and Aim 5 is to determine how the bundle calcium pump operates.
- Role: Co-Investigator

DA028537 (Loftis/Huckans MPI)

9/30/09-9/29/2011

1.2 Cal

- NIH/NIDA \$791,244
- *Pre-clinical testing of a novel immunotherapy [recombinant T cell receptor ligand (RTL)] to improve cognitive recovery and brain healing following methamphetamine dependence: From mice to men*
- This proof-of-concept study utilizes both rodent and human components to test the therapeutic efficacy of RTL in improving cognitive function, decreasing neuronal degeneration, decreasing neuroinflammation, and preserving peripheral immune function following methamphetamine addiction.
- Role: Co-Investigator

#### Other Support

##### *Research to Prevent Blindness - Unrestricted Grant (Private Foundation)*

- Research to Prevent Blindness
- Joseph E. Robertson (PI)
- Direct Costs: \$110,000 per year
- 1/1/98-12/30/04
- Role/Effort: Biostatistician 11% (2002 – 2004)

##### *Paths to Recovery Evaluation*

- Robert Wood Johnson Foundation
- McCarty (PI)
- Direct Costs: \$1,007,412
- 10/02-09/06
- Role/FTE: Biostatistician, 10% (2005-2007)

##### *UCB 121068 Serious infections in patients treated with biologic drugs: The creation of a population-based adverse event surveillance system (The Biologic Drug Safety Datalink System)*

- UCB, Inc.
- Winthrop (PI)
- Direct costs \$132,837
- 12/17/2007 – no end date specified
- Role/FTE: Co-Investigator /8.3% (7/1/08 – 6/30/09)

## Publications/Creative Work:

### Peer-reviewed

1. Weatherhead E, Tiao GC, Reinsel GC, Ferederick J, DeLuisi J, **Choi D**, Tam W. Analysis of long-term behavior of ultra-violet radiation measured by Robertson-Berger meters at 14 sites in the United States. *Journal of Geophysical Research*, vol. 102, 8737-8754, 1997.
2. Weatherhead E, Reinsel GC, Tiao GC, Meng X, **Choi D**, Cheang W, Keller T, DeLuisi J, Wuebbles D, Kerr J, Miller AJ, Oltmans S, and Frederick J, Factors affecting the detection of trends: Statistical considerations and applications to environmental data, *Journal of Geophysical Research*, vol. 103, 17149-17161, 1998.
3. Logan JA, Megretskaia IA, Miller AJ, Tiao GC, **Choi D**, Zhang L, Bishop L, Stolaski R, Labow GJ, Hollandsworth SM, Bodeker GE, Claude H, DeMuer D, Kerr JB, Tarasick DW, Oltmans SJ, Johnson B, Schmidlin F, Staehelin J, Viatte P, Uchino O, Trends in the vertical distribution of ozone: A comparison of two analyses of ozonesonde data, *Journal of Geophysical Research*, vol. 104, 26373-26399, 1999.
4. Nadarajah S, **Choi D**, Ruiz-Espejo M, Singh HP, Singh R, A note on an estimator for the mean of finite populations, *Student*, vol. 4, No. 2, 87-94, 2002.
5. **Choi D**, Tiao GC, Stein ML. A statistical model for latitudinal correlations of satellite data, *Journal of Geophysical Research*, vol. 107, ACL 7.1 – 7.14, No. D16, 4318, doi: 10.1029/2000JD000246, Aug 2002
6. Mansberger SL, Zangwill LM, Sample PA, **Choi D**, Weinreb RN. Relationship of optic disk topography and visual function in patients with large cup to disc ratios. *American Journal of Ophthalmology*, vol. 136, No. 5, 888-894, 2003.
7. **Choi D**, Nadarajah S. Extremes of daily rainfall in South Korea, *World Resource Review*, vol. 15, issue no. 4, 483—497, 2003.
8. Searle BC, Dasari S, Turner M, Reddy A, **Choi D**, Wilmarth P, McCormack A, David L, Nagalla S. High-throughput identification of proteins and unanticipated sequence modifications using a mass-based alignment algorithm for MS/MS De Novo Sequencing results, *Analytical Chemistry*, 76(8),2220-2230, Mar 2004.
9. Qin L, Kerr KF and Contributing Members of the Toxicogenomics Research Consortium. Empirical evaluation of data transformations and raking statistics for microarray analysis. *Nucleic Acids Research*, vol 32, No. 18, 5471-5479, Oct 2004.
10. Mathers WD, **Choi D**. Cluster analysis of patients with ocular surface disease, blepharitis and dry eye. *Archives of Ophthalmology*, 122:1700-1704, Nov 2004.

11. Fang Y, **Choi D**, Searles R, Mathers WD. A time course microarray study gene expression in the mouse lacrimal gland after acute corneal trauma. *Investigative Ophthalmology & Vision Sciences*. 46: 461-469, Feb 2005. (featured as cover article)
12. Mansberger SL, Johnson CA, Cioffi GA, **Choi D**, Krishnadas SR, Srinivasan M, Balamurugan V, Kim U, Smith S, Wilkins J, Gritz D. Predictive value of frequency doubling technology perimetry for detecting glaucoma in a developing country. *Journal of Glaucoma*, 14(2):128-134, Apr 2005
13. Kim MS, Sabri MI, Lasarev MR, Hashemi S, Lu X, **Choi D**, Nagalla S, Spencer P. Use of structural isomers to isolate transcriptional modulation by the active moieties of chemical and drugs. *Annual Book of 2005 World DNA and Genome Day*, 289-291, Apr 2005.
14. Mansberger SL, Romero, FC, Smith NH, Johnson CA, Cioffi GA, Edmunds B, Francis P, Demirel S, **Choi D**, Becker TM. Causes of visual impairment and common eye problems in northwest American Indians and Alaskan natives. *American Journal of Public Health*, 95(5):881-886, May 2005.
15. Members of the Toxicogenomics Research Consortium. Standardizing gene expression across multiple platforms. *Nature Methods* 2:351-356, May 2005.
16. Girard DE, **Choi D**, Dickey J, Dickerson D, Bloom JD. A comparison study of career satisfaction and emotional states between primary care and specialty residents. *Medical Education*, 40:79-86, Jan 2006.
17. Peterson MB, Kitsos G, Samples JR, Gaudette ND, Economou-Petersen E, Sykes R, Rust K, Grigoriadou M, Aperis G, **Choi D**, Psilas K, Craig JE, Mackey DA, Wirtz MK. A large GLC1C Greek family with a myocilin T377M mutation: Inheritance and phenotypic variability. *Investigative Ophthalmology & Vision Sciences*, 47: 620-625, Feb 2006.
18. **Choi D\***, Fang Y\*, Mathers W. Condition-specific co-regulation networks of *cis*-regulatory motifs and modules in mouse genome. *Genomics*, 87, 4:500-508, April 2006. (featured as cover article; \*These authors contributed equally to this work.)
19. **Choi D**, O'Malley JP, Lasarev MR, Lapidus J, Pattee P, Nagalla S. Extending the dynamic range of signal intensities in DNA microarrays. *Online Journal of Bioinformatics*, 7(1):46-56, 2006.
20. Girard DE\*, **Choi D\***, Dickey J, Wessel K., Austin D. A mid year comparison study of career satisfaction and emotional states between residents and faculty at one academic medical

center. *BMC Medical Education*, 6:36 doi: 10.1186/1472-6920-6-36, 2006. (*\*These authors contributed equally to this manuscript.*)

21. Michael YL, Beard TE, **Choi D**, Farquhar SA, Carlson NE. Measuring the influence of neighborhood environment on walking among older adults. *Journal of Aging and Physical Activity*, 14(3), 302-312, 2006
22. Nadarajah S, **Choi D**. Products and ratios for Arnold and Strauss's bivariate exponential distribution. *New Zealand Journal of Mathematics*. Vol. 35:185-199, 2006.
23. **Choi D**, Wessel K, Dickey J, Girard DE. The impact of the implementation of work hour requirements on residents' career satisfaction, attitudes and emotions. *BMC Medical Education*, 6:53 doi:10.1186/1472-6290-6-53, Oct. 2006.
24. **Choi D**, Nadarajah S. Information matrix for a mixture of two Laplace distributions. *Statistical Papers*, doi:10.1007/s00362-007-00530-8, Feb. 2007.
25. Michels K, Lauer A, Beard T, **Choi D**. A descriptive statistical analysis of skills used in Ophthalmology. *Ophthalmic Surgery, Lasers & Imaging*. Vol. 38(2):107-114, Mar/Apr 2007.
26. McCarty D, Gustafson DH, Wisdom JP, Ford J, **Choi D**, Molfenter T, Capoccia V, Cotter F. The network for the improvement treatment (NIATx): Strategies to enhance access and retention. *Drug and Alcohol Dependence*, 88(2-3):138-45, May 2007.
27. Smith JR\*, **Choi D\***, Chipps T, Pan Y, Zamora D, Babra B, Davies M, Planck SR, Rosenbaum JT. Unique gene profiles of human retinal and choroidal vascular endothelium in donor-matched cell cultures. *Investigative Ophthalmology & Vision Sciences*. 48:2676:2684, June 2007 (*\*Contributed equally to the work and therefore should be considered equivalent authors*)
28. Wirtz MK, Samples JR, **Choi D**, Gaudette ND. Clinical features associated with an Asp380His myocilin mutation in a USA family with primary open angle glaucoma. *American Journal of Ophthalmology*. Vo. 144(1):534-536, May 2007.
29. Bower E, **Choi D**, Becker TM, Girard DE. Physician awareness and determinants of participation in maintenance of professional certification: A prospective study. *Journal of Continuing Education in the Health Professions*. 27(3):164-72, 2007 Summer.
30. Woodward WR, **Choi D**, Grose J, Malmin B, Hurst S, Pang J, Weleber RG, Pillers DM. Isoflurane is an effective alternative to katamine as an anesthetic agent for the mouse electroretinogram. *Documenta Ophthalmologica*. Doi: 10.1007/s10633-007-9079-4, 2007



31. Zamora DO, Riviere M, **Choi D**, Pan Y, Planck SR, Rosenbaum JT, David LL, Smith JR. Proteomics profiling of human retinal and choroidal endothelial cells reveals molecular heterogeneity related to tissue of origin. *Molecular Vision*. 13:2058-65, Oct. 2007.
32. Smith LK, Suhler EB, Lim LL, **Choi D**, Cioffi GA, Rosenbaum JT. Possible association between scleritis and lymphoma. *British Journal of Ophthalmology*. 91(12):1728-9, Dec 2007
33. Rubado D, Schafer S, Winthrop K, **Choi D**, Becker TM. Determining the costs and challenges of tuberculosis case management in a low incidence state. *International Journal of Tuberculosis and Lung Disease*. 2(3):301-7, Mar, 2008.
34. Rosenbaum JT, Ronick MB, Song X, **Choi D**, Planck SR. T cell-antigen-presenting cell interactions visualized in vivo in a model of antigen-specific inflammation. *Clinical Immunology*. 126(3):207-6, Mar, 2008. PMCID: PMC2292401
35. Planck SR, Becker MD, Crespo S, Fleischman RJ, **Choi D**, Nobiling R, Parker DC, Rosenbaum JT. Characterizing extravascular neutrophil migration in vivo in the iris. *Inflammation*. 31(2):105-11, Apr, 2008.
36. Hoang LT, Lim LL, Valliant B, **Choi D**, Rosenbaum JT. Antineutrophil cytoplasmic autoantibody (ANCA) associated scleritis. *Archives of Ophthalmology*. 126(5): 651-655. May 2008. PMCID: PMC2607248
37. Hoffman K, Ford J, **Choi D**, Gustafson DH, McCarty D. Replications and sustainability of improved access and retention within the network for the improvement of addiction treatment. *Drug and Alcohol Dependence*, Jun 2008. PMCID: PMC2607248
38. Gellert KS, **Choi D**, Coel M, Braun KL. Nasal ciliary function in Hawaiians. *Hawaii Medical Journal*. 67(8):209-12, Aug, 2008. PMCID – In Process
39. **Choi D\***, Appukuttan B\*, Binek SJ, Planck SR, Stout JT, Rosenbaum JT, Smith JR. Prediction of Cis-Regulatory elements controlling genes differentially expressed by retinal and choroidal vascular endothelial. *Journal of Ocular Biology, Diseases and Informatics*. 1(1):37-45. 2008. (\*share the first authorship) PMCID: PMC2573398
40. Bower E, Girard DE, Wessel K, Becker TM, **Choi D**. Barriers to innovation in continuing medical education. *Journal of Continuing Education in the Health Professions*. 28(3):148-56, 2008 Summer.

41. Melnick A, Rdesinski RE, Creach ED, **Choi D**, Harvey M. The influence of home visits on self-efficacy and barriers associated with use of contraceptives. *Women's Health Issues*. 18(6):471-81. Epub 2008 Oct 15. Nov-Dec, 2008 PMID: PMC2637766
42. Suhler EB, Lloyd MJ, **Choi D**, Rosenbaum JT, Austin DF. Incidence and Prevalence of Uveitis in Veterans' Affairs Medical Centers of the Pacific Northwest. *American Journal of Ophthalmology*. 146(6):890-6.e8, Dec, 2008.
43. Vatanian K, Slotke R, Johnstone T, Casale A, Planck SR, **Choi D**, Smith JR, Rosenbaum JT, Harrington CA. Gene expression profiling of whole blood: Comparison of target preparation methods for accurate and reproducible microarray analysis. *BMC Genomics*;10(1):2. Jan, 2009. PMID: PMC2649161
44. Fraunfelder R, Winthrop KL, Suhler E, **Choi D**, Fraunfelder F. Uveitis and Scleritis Associated With Bisphosphonate Therapy (letter). *Retina*. 29(2):285-6; author reply 286-7. Feb, 2009
45. Kurz PA, Suhler EB, **Choi D**, Rosenbaum JT. Rituximab for treatment of ocular inflammatory disease. *British Journal of Ophthalmology*. 93(4):546-8; Apr, 2009.
46. McClure TM, Swanson IL, **Choi D**, Becker TM, Cioffi GA, Mansberger SL. The effect of visual impairment on vision-related quality of life in American Indian/Alaska Native population. *Ophthalmic Epidemiology*. 16(2):128-35;Mar-Apr 2009 PMID – In Process
47. Rosenbaum JT, Pasadhika S, **Choi D**, Harrington CA, Lewis J, Austin C, Diebel T, Vance EE, Brazier RM, Smith JR, Crouser ED, Vance EE, Planck SR. Hypothesis: sarcoidosis is a STAT1-mediated disease. *Clinical Immunology*. 132(2):174-83; Aug 2009. PMID: PMC2733945
48. **Choi D**, Sharma SM, Pasadhika S, Kang Z, Harrington CA, Smith JR, Planck SR, Rosenbaum JT. Application of Biostatistics and Bioinformatics tools to identify putative transcription factor –gene regulatory network of Ankylosing Spondylitis and Sarcoidosis. *Communications in Statistics – Theory and Methods*, special issue on Advances in statistics methodology analyzing rheumatic diseases. 38(18):3326-38; 2009. (*Invited paper*) PMID: PMC2796828
49. Dailey RA, Chavez MR, **Choi D**. Use of a chitosan-based hemostatic dressing in dacryocystorhinostomy. *Ophthalmic Plastic and Reconstructive Surgery*. 25(5):350-3. September/October 2009. PMID – In Process
50. Kim Y, Hwang TS, **Choi D**, Wilson DJ. Comparison of digital fundus photographic and echographic measurements for maximal linear dimension from eyes with choroidal

melanoma. *Retina*. Epub Aug 10, 2009. PMCID – In Process

51. Sharma SM, **Choi D**, Planck SR, Harrington CA, Austin CR, Lewis JA, Diebel TN, Martin TM, Smith JR, Rosenbaum JT. Insights into the pathogenesis of axial spondyloarthritis based on gene expression profiles. *Arthritis Research and Therapy* 2009 Nov 9;11(6). (featured in an editorial: New insights in understanding the pathogenesis of spondyloarthropathies. *Arthritis Research and Therapy* 2009 Dec;12(1)) PMCID – In Process
52. Watkins AS, Kempen JH, **Choi D**, Liesegang TL, Pujari SS, Newcomb C, Nussenblatt RB, Rosenbaum JT, Thorne JE, Foster CS, Jabs DA, Levy-Clarke GA, Suhler EB, Smith JR. Ocular disease in patients with ANCA-positive vasculitis.. *Journal of Ocular Biology, Diseases and Informatics* (accepted) PMCID – In Process
53. Campbell BK, Tillotson CJ, **Choi D**, Bryant K, DiCenzo J, Provost SE, Zammarelli L, Booth RE, McCarty D. Predicting outpatient treatment entry following Detoxification for injection drug use: It's not just the patient, it's the program. *Journal of Substance Abuse Treatment*. (accepted)
54. Pasadhika S, Fishman GA, **Choi D**, Shahidi M. Selective thinning of the perifoveal inner retina as an early sign of hydroxychloroquine retinal toxicity. *Eye*. (accepted)
55. Agnani S, **Choi D**, Martin TM, Austin CR, Rosenbaum JT. Gender and laterality affect recurrences of acute anterior uveitis. *British Journal of Ophthalmology*. (accepted subject to minor revision)
56. Bower EA, English C, **Choi D**, Cedfeldt AS, Girard DE. A pilot educational intervention to return nonpracticing physicians to clinical activity. *Journal of Continuing Education in the Health Professions* (accepted subject minor revision)

## **V. SERVICE**

### **Membership in Professional Societies:**

1. The American Statistical Association since 1988
2. The Institute of Mathematical Statistics since 1988.
3. The Oregon Chapter of the American Statistical Association, since 2001
4. The American Geophysical Union, since 2002
5. The International Biometric Society/WNAR, since 2003
6. ICSA (International Chinese Statistical Association), since 2003
7. The Association for Research in Vision and Ophthalmology, since 2005

### **Editorial and Ad Hoc Review Activities:**

1. Reviewer for *Statistica Sinica*, 2003, 2007 - present
2. Reviewer for *Mathematical and Computer Modeling*, 2003.
3. Reviewer for *Climate Change*, 2004.
4. Reviewer for *Technometrics*, 2004.
5. Reviewer for *IEEE International Conference on Image and Graphics* 2004.
6. Reviewer for *American Journal of Epidemiology*, 2005.
7. Reviewer for *Journal of Applied Bioinformatics*, 2005-2006
8. Reviewer for *Journal of American Medical Association (JAMA)*, 2006 - present
9. Editorial Advisory Board for *Scientific Journals International*, 2006 – present
10. Reviewer for *Communications in Statistics*, 2007
11. Editorial Board Member, *The Open Statistics & Probability Journal*, 2009 – Present.

### **Committees:**

#### International/National

1. Chapter Representative (Oregon), the National Chapter Council, The American Statistical Association, 2005-2011. (Elected for the 2<sup>nd</sup> term.)
2. Member, Committee on International Relations, The American Statistical Association 2005-2007. (reappointed for the 2nd term 2008 – 2010)
3. Session chair at the Joint Statistical Meeting 2005 - 2006.
4. Poster Chair, Program committee for 2007 Joint Statistical Meeting (the biggest international statistical meeting in the North America, responsible for organizing all poster presentation sessions). 2006-2007.
5. Subcommittee on Website Evaluation, The American Statistical Association, 2007-2008
6. Committee on Nominations, Council of Chapters, The American Statistical Association, 2008 - 2009.
7. Founding member, Statistics without Borders (SWB), The American Statistical Association. 2008-Present
8. Steering Committee, USCensus @ School, The American Statistical Association. 2009 – Present
9. Planning Committee, The International Korean Statistical Association. 2009 – Present.
10. Program Committee, The International Chinese Statistical Association. 2010 – 2012
11. Organizer/Chair, Invited Session on Spatial Epidemiology, GIS and Disease Mapping. Joint Statistical Meeting, Vancouver, BC, Canada, 2009-2010

#### Regional

1. Treasurer/Secretary, Oregon Chapter, The American Statistical Association, 2004-2005.
2. Vice President, Oregon Chapter, The American Statistical Association, 2005-2006.
3. President, Oregon Chapter, The American Statistical Association, 2006-2007.

### Institutional

1. Research Information Systems Steering Committee, OHSU 2005 - 2007.
2. Biostatistics working group, Clinical and Translational Science Institute at OHSU, 2006.
3. Research Committee. 2007 – 2010
4. Chair for Biostatistics Faculty Search Committee-PHPM/OCTRI/Pediatrics, 2007 -2008.
5. Chair for Biostatistics Faculty Search Committee-PHPM/OCTRI/Cancer Institute, 2007 – 2008 (recruited two Assistant Professors of Biostatistics for both searches.)

### Departmental

1. Faculty search committee, Public Health & Preventive Medicine, OHSU 2002 - 2003
2. MPH committee, Public Health & Preventive Medicine, OHSU 2004 – present
3. Department web design committee, Public Health & Preventive Medicine, OHSU 2005 – present
4. Ad-hoc consulting in computer and technology, OHSU 2002 – present.
5. Faculty Search committee for Epidemiology, 2007
6. Committee on Biostatistics Certificate Program, 2007
7. Committee on developing MS and Graduate Certificate Program in Biostatistics, 2008-present

### **Community Service:**

1. Special award judge (Statistics), The Northwest Intel Science Expo, Portland, May 2003.
2. Special award judge (Statistics), The Northwest Intel Science Expo, Portland, April 2004.
3. Statistics award judge, 2004 Intel International Science and Engineering Fair, Portland, Representing the American Statistical Association, May 2004.
4. Special award judge (Statistics), The Northwest Intel Science Expo, Portland, April 2005.
5. Special award judge (Statistics), The Northwest Intel Science Expo, Portland, March 2006.
6. Project leader, a partnership with high schools in statistical education, 2006 – September, 2007.
7. Special award judge (Statistics), The Northwest Intel Science Expo, Portland, March 2007.
8. Special award judge (Statistics), The Northwest Intel Science Expo, Portland, March 2008.
9. Special award judge (Statistics), The Northwest Intel Science Expo, Portland, March 2009.