

CURRICULUM VITAE

LYNN E. EBERLY

IDENTIFYING INFORMATION

Academic Rank

Professor with Tenure
Division of Biostatistics, School of Public Health, University of Minnesota

Member, Biostatistics Graduate Faculty
Member, Bioinformatics and Computational Biology Graduate Faculty
Member, Clinical Research Graduate Faculty
Member, Data Science Graduate Faculty
Member, Health Equity (Minor) Graduate Faculty

Education

Degree	Institution	Date Degree Granted
Ph.D. (Statistics)	Cornell University Advisor: Dr. George Casella	1997
M.S. (Statistics)	Cornell University Advisor: Dr. George Casella	1994
B.A. (Mathematics, German Language and Literature)	Washington University in St. Louis ($\phi\beta\kappa$)	1991

Employment

Professor, Division of Biostatistics, School of Public Health, University of Minnesota	2016–Present
Associate Professor, Division of Biostatistics, School of Public Health, University of Minnesota	2004–2016
Assistant Professor, Division of Biostatistics, School of Public Health, University of Minnesota	1997–2004
Instructor, Biometrics Unit, Cornell University	Summers 1994, 1995
Intern, Mathematics Department General Motors Research Laboratory	Summer 1992

Current Membership in Professional Organizations and Centers

American Statistical Association (National, and Twin Cities Chapter)
International Biometric Society (Eastern North American Region)
Association for Women in Mathematics
University of Minnesota Masonic Cancer Center

HONORS AND AWARDS

University of Minnesota

- * Academy of Excellence in Team Science, 2019 (inaugural team).
- CTSI Biostatistician Mentor of the Year, 2015 (inaugural awardee).
- Leonard M. Schuman Excellence in Teaching Award, School of Public Health, University of Minnesota, 2002.
- Delta Omega (Public Health Honor Society), inducted 1999.

External

- Fellow of the American Statistical Association, 2014.
- American Statistical Association Chapter Recognition Award, Twin Cities Chapter, 2004.
- Teaching Assistant of the Year Award, Biometrics Unit, Cornell University, 1997.
- Phi Beta Kappa (Liberal Arts Honor Society), inducted 1990.

Visiting Scholar Positions

- Visiting Scholar, Center for Magnetic Resonance Research, School of Medicine, University of Minnesota, full year academic sabbatical 2015–2016
- Visiting Scholar, Department of Biostatistics, Bloomberg School of Public Health, Johns Hopkins University, full year academic sabbatical 2006–2007

RESEARCH AND SCHOLARSHIP

Awards

Academy of Excellence in Team Science, Academic Health Center, University of Minnesota, 2019 (inaugural team awarded).

Publications

Peer-Reviewed Journal Articles

Note: An underlined name denotes a first or a senior authorship by either Dr. Eberly or a graduate student or clinical research scholar mentee of Dr. Eberly's.

- * 1. Grohn H, Gillick BT, Tkac I, Bednarik P, Mascali D, Deelchand DK, Michaeli S, Meekins GD, Leffler-McCabe MJ, MacKinnon CD, **Eberly LE**, Mangia S. Influence of Repetitive Transcranial Magnetic Stimulation on Human Neurochemistry and Functional Connectivity: a Pilot MRI/MRS Study at 7 T. *Frontiers in Neuroscience*, in press.
- * 2. Cullen K, Westlund Schreiner M, Klimes-Dougan B, **Eberly LE**, LaRiviere L, Camchong YJ, Lim K, Mueller BA. Neural correlates of clinical improvement in response to N-acetylcysteine in adolescents with non-suicidal self-injury. *Progress in Neuropsychopharmacology & Biological Psychiatry*, in press.
- * 3. Cullen KR, Brown R, Schreiner MW, **Eberly LE**, Klimes-Dougan B, Reigstad K, Hill D, Lim KO, Mueller BA. White matter microstructure relates to lassitude but not diagnosis in adolescents with depression. *Brain Imaging & Behavior*, 2019 Mar 19.
- * 4. Bednarik P, Henry PG, Khowaja A, Rubin N, Kumar A, Deelchand D, **Eberly LE**, Seaquist E, Oz G, Moheet A. Hippocampal neurochemical profile and glucose transport kinetics in patients with type 1 diabetes. *Journal of Clinical Endocrinology & Metabolism*, 2019 Oct 22.
- * 5. Deelchand DK, Joers JM, Ravishankar A, Lyu T, Emir UE, Hutter D, Gomez CM, Bushara KO, Lenglet C, **Eberly LE**, Oz G. Sensitivity of Volumetric Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy to Progression of Spinocerebellar Ataxia Type 1. *Movement Disorders Clinical Practice*, 2019 Sep; 6(7):549-558.
- * 6. Tosun NL, Fieberg AM, **Eberly LE**, Harrison KA, Tipp AR, Allen AM, Allen SS. Exogenous progesterone for smoking cessation in men and women: a pilot double-blind, placebo-controlled randomized clinical trial. *Addiction*, 2019 Oct; 114(10):1800-1813.
- * 7. Cheong I; Deelchand DK; Eberly LE; Marjanska M; Manousakis G; Guliani G; Walk D; Oz G. Neurochemical correlates of functional decline in amyotrophic lateral sclerosis. *Journal of Neurology, Neurosurgery & Psychiatry*. 90(3):294-301, 2019 Mar.
- * 8. Rockswold SB, Burton PC, Chang A, McNally N, Grant A, Rockswold GL, Low WC, **Eberly LE**, Yacoub E, Lenglet C. Functional Magnetic Resonance Imaging and Oculomotor Dysfunction in Mild Traumatic Brain Injury. *Journal of Neurotrauma*. 36(7):1099-1105, 2019 Apr 01.

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

- * 9. Shrestha RT, Kumar AF, Taddese A, Khowaja AA, Moheet A, Olawsy E, **Eberly LE**, Sequist ER. Duration and onset of action of high dose U-500 regular insulin in severely insulin resistant subjects with type 2 diabetes. *Endocrinology, and Diabetes & Metabolism*. 1(4):e00041, 2018 Oct.
- *10. Lehto LJ, Filip P, Laakso H, Sierra A, Slopsema JP, Johnson MD, **Eberly LE**, Low WC, Grohn O, Tanila H, Mangia S, Michaeli S. Tuning Neuromodulation Effects by Orientation Selective Deep Brain Stimulation in the Rat Medial Frontal Cortex. *Frontiers in Neuroscience*. 12:899, 2018.
- *11. Allen A, Carlson SC, Bosch TA, **Eberly LE**, Okuyemi K, Nair U, Gordon JS. High-intensity Interval Training and Continuous Aerobic Exercise Interventions to Promote Self-initiated Quit Attempts in Young Adults Who Smoke: Feasibility, Acceptability, and Lessons Learned From a Randomized Pilot Trial. *Journal of Addiction Medicine*. 12(5):373-380, 2018 Sep/Oct.
- *12. Cullen KR, Amatya P, Roback MG, Albott CS, Westlund Schreiner M, Ren Y, **Eberly LE**, Carstedt P, Samikoglu A, Gunlicks-Stoessel M, Reigstad K, Horek N, Tye S, Lim KO, Klimes-Dougan B. Intravenous Ketamine for Adolescents with Treatment-Resistant Depression: An Open-Label Study. *Journal of Child & Adolescent Psychopharmacology*. 28(7):437-444, 2018 09. [Erratum in: *J Child Adolesc Psychopharmacol*. 2019 Feb;29(1):77; PMID: 30585735]
- *13. Bliss DZ, Gurvich OV, **Eberly LE**, Harms S. Time to and predictors of dual incontinence in older nursing home admissions. *Neurourology & Urodynamics*. 37(1):229-236, 2018 01. [Comment in: *J Urol*. 2019 Feb;201(2):205; PMID: 30634299]
- *14. Pakhomov SVS, **Eberly LE**, Knopman DS. Recurrent perseverations on semantic verbal fluency tasks as an early marker of cognitive impairment. *Journal of Clinical & Experimental Neuropsychology: Official Journal of the International Neuropsychological Society*. 40(8):832-840, 2018 10.
- *15. Joers JM, Deelchand DK, Lyu T, Emir UE, Hutter D, Gomez CM, Bushara KO, **Eberly LE**, Oz G. Neurochemical abnormalities in premanifest and early spinocerebellar ataxias. *Annals of Neurology*. 83(4):816-829, 2018 04.
- *16. Ring HL, Zhang J, Klein ND, **Eberly LE**, Haynes CL, Garwood M. Establishing the overlap of IONP quantification with echo and echoless MR relaxation mapping. *Magnetic Resonance in Medicine*. 79(3):1420-1428, 2018 03.
- *17. Mangia S, Svatkova A, Mascali D, Nissi MJ, Burton PC, Bednarik P, Auerbach EJ, Giove F, **Eberly LE**, Howell MJ, Nestrail I, Tuite PJ, and Michaeli S. Multi-modal brain MRI in subjects with PD and iRBD. *Frontiers in Neuroscience*, 2017; 11:709. [Erratum in: *Front Neurosci*. 2018 Jun 26;12:446; PMID: 29973865]
- *18. ‡Allen AM, Carlson S, **Eberly LE**, Hatsukami D, Piper ME. Use of hormonal contraceptives and smoking cessation: A preliminary report. *Addictive Behaviors*, 2018 Jan; 76:236-242. PMID: 28863316.
- *19. ‡Allen AM, Lundeen K, **Eberly LE**, Allen SS, al'Absi M, Muramoto M, Hatsukami D. Hormonal contraceptive use in smokers: Prevalence of use and associations with smoking motives. *Addictive Behaviors*, 2018 Feb; 77:187-192. PMID 29055207.

- *20. ‡Cullen K, Klimes-Dougan B, Westlund Schreiner M, Carstedt P, †Marka N, Nelson K, Miller M, Reigstad K, Westervelt A, Gunlicks-Stoessel M, **Eberly LE**. N-Acetylcysteine for non-suicidal self-injurious behavior in adolescents: An open-label pilot study. *J Child Adolescent Psychopharmacology*, 2018 Mar; 28(2):136-144.
- *21. Bednarik P, Tkac I, Giove F, **Eberly LE**, Deelchand DK, Barreto FR, Mangia S. Neurochemical responses to chromatic and achromatic stimuli in the human visual cortex. *Journal of Cerebral Blood Flow & Metabolism*. 38(2):347-359, 2018 02.
- *22. Tosun NL, Allen SS, **Eberly LE**, Yao M, Stoops WW, Strickland JC, Harrison KA, al’Absi M, Carroll ME. Association of exercise with smoking-related symptomatology, smoking behavior and impulsivity in men and women. *Drug & Alcohol Dependence*. 192:29-37, 2018 11 01.
- *23. Barkley CM, Hu Z, Fieberg AM, **Eberly LE**, Birnbaum AK, Leppik IE, Marino SE. Individual Differences in Working Memory Capacity Predict Topiramate-Related Cognitive Deficits. *Journal of Clinical Psychopharmacology*. 38(5):481-488, 2018 Oct.
- *24. ‡Allen AM, Abdelwahab NM, Carlson S, Bosch TA, **Eberly LE**, Okuyemi K. Effect of brief exercise on urges to smoke in men and women smokers addictive behaviors. *Addictive Behaviors*, 2018 Feb; 77:34-37. PMID: 28950116.
- *25. Bednarik P, Moheet AA, Grohn H, Kumar AF, **Eberly LE**, Seaquist ER, Mangia S. Type 1 diabetes and impaired awareness of hypoglycemia are associated with reduced brain grey matter volumes. *Frontiers in Neuroscience*, 11:529, 2017.
- *26. ‡Allen AM, Lundeen K, **Eberly LE**, Allen SS, al’Absi M, Muramoto M, Hatsukami D. Hormonal contraceptive use in smokers: Prevalence of use and associations with smoking motives. *Addictive Behaviors*. 77:187-192, 2018 Feb.
- *27. Eryaman Y, Zhang P, Utecht L, Kose K, Lagore RL, DelaBarre L, Kulesa J, **Eberly LE**, Adriany G, Iles TL, Iaizzo PA, Vaughan JT, Ugurbil K. Investigating the physiological effects of 10.5 Tesla static field exposure on anesthetized swine. *Magnetic Resonance in Medicine*. 79(1):511-514, 2018 Jan.
- *28. Allen AM, Carlson S, **Eberly LE**, Hatsukami D, Piper ME. Use of hormonal contraceptives and smoking cessation: A preliminary report. *Addictive Behaviors*. 76:236-242, 2018 Jan.
- *29. Conway JM, **Eberly LE**, Collins JF, Macias FM, Ramsay RE, Leppik IE, Birnbaum AK. Factors in Variability of Serial Gabapentin Concentrations in Elderly Epilepsy Patients. *Pharmacotherapy* 2017 Oct; 37(10):1197-1203.
- *30. Seaquist ER, Moheet A, Kumar A, Deelchand DK, Terpstra M, †Kubisiak K, **Eberly LE**, Henry P-G, Joers JM, Öz G. Hypothalamic Glucose Transport in Humans during Experimentally Induced Hypoglycemia Associated Autonomic Failure. *J Clin Endo Metab*, 102(9):3571-3580, 2017 09 01.
- *31. Wyman JF, Bliss DZ, §Gurvich OV, §Savik K, **Eberly LE**, Mueller CA, Harms S, Virnig BA. Racial and Ethnic Disparities in the Time to Dual Incontinence and its Treatment in Older Adults after Nursing Home Admission. *Ann Gerontol Geriat Res*, 2017; 4(1): 1-8.
- *32. Lehto L, Albors AA, Sierra A, Tolppanen L, **Eberly LE**, Mangia S, Nurmi A, Michaeli S, Gröhn. Lysophosphatidyl choline induced demyelination in rat probed by Relaxation Along a Fictitious Field in high rank rotating frame. *Frontiers in Neuroscience*,. 11:433, 2017.

- *33. Bliss DZ, §Gurvich O, §Savik O, **Eberly LE**, Harms S, Mueller C, Garrard J, Cunanan K, Wiltzen K. Racial and Ethnic Disparities in the Healing of Pressure Ulcers Present at Nursing Home Admission *Arch Gerontol Geriatr*, 2017 Sep; 72:187-194.
- *34. Westlund Schreiner M, Klimes-Dougan B, Meuller BA, **Eberly LE**, Reiqstad KM, Carstedt PA, Thomas KM, Hunt RH, Lim KO, Cullen KR. Multi-Modal Neuroimaging of Adolescents with Non-Suicidal Self-Injury: Amygdala Functional Connectivity. *J Affective Disorders*, 221:47-55, 2017 10 15. PMID: 28628767.
- *35. Cheong I, Marjańska M, Deelchand DK, **Eberly LE**, Walk D, Öz G. Ultra-high field proton MR spectroscopy in early-stage amyotrophic lateral sclerosis. *Neurochem Res*, 2017 Jun;42(6):1833-1844; PMID: 28367604 . [Erratum in: *Neurochemical Research*, 2017 06; 42(6):1845-1846.]
- *36. Bednařík P, Tkáč I, Giove F, **Eberly LE**, Deelchand DK, Barreto FR, and ‡Mangia S. Neurochemical Responses to Chromatic and Achromatic Stimuli in the Human Visual Cortex. *J Cereb Blood Flow Metab*, 35(4):601-10, 2015 Mar 31.
- *37. †Lyu T, Lock E, **Eberly LE**. Discriminating sample groups with multi-way data. *Biostatistics* 2017 July; 18(3):434-450. PMID: 28115314.
- *38. Birnbaum AK, Leppik IE, Svensden K, and **Eberly LE**. Prevalence of Epilepsy and Seizure Codes as a Co-morbidity of Neurological Disorders in Nursing Home Residents. *Neurology* 2017 Feb; 88:750-757. PMID: 28108639.
- *Selected for coverage by Epilepsy Advisor: Article “Epilepsy, Seizures Common Among Nursing Home Population,” March 10, 2017 <http://www.neurologyadvisor.com/epilepsy/epilepsy-seizures-common-in-nursing-home-elderly/article/643330/>
- *Selected for coverage by Redefining Seizure Care, Article: “Epilepsy in Nursing Homes: Is it Common?” Jun 30, 2017. <http://www.rsdiagnosticservices.com/blog/epilepsy-in-nursing-homes->
- *Commentary: podblaze, “Do Not Neglect your Neurological Health,” April 2, 2017 <https://www.podblaze.com/do-not-neglect-your-neurological-health>
- *39. Öz G, DiNuzzo M, Kumar A, Moheet A, Khowaja A, †Kubisiak K, **Eberly LE**, Seaquist ER. Cerebral glycogen in humans following acute and recurrent hypoglycemia: Implications on a role in hypoglycemia unawareness. *J Cereb Blood Flow Metab*, 37(8):2883-2893, 2017 Aug. PMID: 27834283.
- *40. Bliss DZ, §Gurvich OV, Mathiason MA, **Eberly LE**, §Savik K, Harms S, Mueller C, Wyman JF, Virnig B. Prevention of Incontinence Associated Skin Damage in Nursing Homes: Disparities and Predictors. *Western Journal of Nursing Research*, 39(5):643-659, 2017 05. PMID: 27586441.
- *41. Bliss DZ, Gurvich OV, **Eberly LE**, Savik K, Harms S, Wyman JF, Mueller C, Virnig B, Wiltzen K. Racial disparities in primary prevention of incontinence among older adults at nursing home admission. *Neurorol Urodyn* 2017 Apr; 36(4):1124-1130. PMID: 27376926.
- *42. Bliss D, Harms S, **Eberly LE**, §Savik K, §Gurvich O, Mueller C, Wyman JF, Virnig B. Social engagement after nursing home admission: racial and ethnic disparities and risk factors. *J Applied Gerontology*, 36(11):1306-1326, 2017 11. PMID: 26610907.

- *43. Terpstra M, Cheong I, †Lyu T, Deelchand DK, Emir UE, Bednařík P, **Eberly LE**, Öz G. Test-retest reproducibility of neurochemical profiles with short-echo, single-voxel MR spectroscopy at 3T and 7T. *Magnetic Resonance in Medicine*. 2016 Oct; 76(4):1083-91. PMID: 26502373.
*Selected for coverage in Magnetic Resonance in Medicine Highlights, October 2016, <http://www.ismrm.org/qa-with-melissa-terpstra-and-gulin-oz>
- *44. ‡Smethells J, Swalve N, **Eberly LE**, Carroll M. Sex differences in the reduction of impulsive choice (delay discounting) for cocaine with atomoxetine and progesterone. *Psychopharmacology* 2016 Aug; 233:2999-3008. PMID: 27325394.
- *45. †Musgrove DR, Hughes J, **Eberly LE**. Hierarchical Copula Regression Models for Areal Data. *Spatial Statistics*. 2016 Aug; 17: 38-49.
- *46. Lou S, Lepak T, **Eberly LE**, Roth B, Weina C, Zhu X-H, Öz G, Dubinsky J. Oxygen consumption deficit in Huntington Disease mouse brain under metabolic stress. *Human Molecular Genetics*. 2016 Jul 1; 25(13):2813-2826. PMID: 27193167.
47. Pakhomov SVS; Eberly L; Knopman D. Characterizing cognitive performance in a large longitudinal study of aging with computerized semantic indices of verbal fluency. *Neuropsychologia*, 2016 08; 89:42-56.
48. †Musgrove DR, Hughes J, **Eberly LE**. Fast, fully Bayesian spatiotemporal inference for fMRI data. *Biostatistics*. 2016 Apr;17(2): 291-303. PMID: 26553916.
49. Bliss DZ, §Gurvich O, §Savik K, **Eberly LE**, Harms S, Wyman JF, Mueller C, Garrard J. Analysis of racial and ethnic disparities as possible risk factors for development of incontinence by nursing home residents. *Research in Nursing and Health*. 2015 Dec;38(6): 449-461. PMID: 26340375.
50. **Eberly LE**, †Cunanan K, §Gurvich O, §Savik K, Bliss DZ, Wyman J. Statistical approaches to assessing health and healthcare disparities. *Research in Nursing and Health*. 2015 Dec;38(6): 500-508. PMID: 26340304.
51. Lawless MH, Harrison KA, Grandits GA, **Eberly LE**, Allen SS. Perceived stress and smoking-related behaviors and symptomatology in male and female smokers. *Addictive Behaviors*. 2015 Dec;51:80-83. PMID: 26240941.
52. †Musgrove DR, **Eberly LE**, Klimes-Dougan B, Basgoze Z, Thomas KM, Mueller BA, Hourri A, Lim KO, ‡Cullen KR. Impaired Bottom-Up Effective Connectivity Between Amygdala and Subgenual Anterior Cingulate Cortex in Unmedicated Adolescents with Major Depression: Results from a Dynamic Causal Modeling Analysis. *Brain Connectivity*. 2015 Dec;5(10): 608-619. PMID: 26050933.
53. ‡Moheet A, ‡Mangia S, Kumar A, Tesfaye N, **Eberly LE**, †Bai Y, †Kubisiak K, Seaquist ER. Naltrexone for treatment of impaired awareness of hypoglycemia in type 1 diabetes: A randomized clinical trial. *Journal of Diabetes and Its Complications*. 2015 Nov-Dec;29(8): 1277-1282. PMID: 26345338.
54. Bailey A, Packer C, **Eberly LE**. Does pregnancy coloration reduce female conspecific aggression in the presence of maternal kin? *Animal Behaviour*. 2015 Oct;108: 199-206.

55. Bednařík P, ‡Moheet A, Deelchand DK, Emir UE, **Eberly LE**, Bareš M, Seaquist ER, Öz G. Feasibility and reproducibility of neurochemical profile quantification in the Human Hippocampus at 3 T. *NMR in Biomedicine*. 2015 Jun;28(6): 685-693. PMID: 25904240.
56. Bliss DZ, §Gurvich O, §Savik K, **Eberly LE**, Harms S, Mueller CA, Wyman JF, Garrard JM, Virnig B. Are there racial-ethnic disparities in time to pressure ulcer development and pressure ulcer treatment in older adults after nursing home admission? *J Aging Health*. 2015 Jun;27(4): 571-593. PMID: 25260648
57. Levin FR, Mariani JJ, Specker S, Mooney M, Mahony A, Brooks DJ, Babb D, Whelan J, †Bai Y, **Eberly LE**, Nunes EV, Grabowski J. Extended-Release Mixed Amphetamine Salts for Comorbid Adult Attention-Deficit/Hyperactivity Disorder and Cocaine Use Disorder: A Randomized Clinical Trial. *JAMA Psychiatry*. 2015 Jun 1;72(6):593-602. PMID: 25887096.
58. †Chow L, **Eberly LE**, †Austin E, Carnethon M, Bouchard C, Sternfeld B, Zhu N, Sidney S, Schreiner P. Fitness change effects on midlife metabolic outcomes: The CARDIA study. *Medicine & Science in Sports & Exercise*. 2015 May;47(5):967-973. PMID: 25160846.
59. Adanyeguh IM, Henry PG, Nguyen TM, Rinaldi D, Jauffret C, Valabregue R, Emir UE, Deelchand DK, Brice A, **Eberly LE**, Öz G, Durr A, Mochel F. In vivo neurometabolic profiling in patients with spinocerebellar ataxia types 1, 2, 3 and 7. *Movement Disorders*. 2015 Apr 15;30(5):662-70. PMID: 25773989.
60. Bednařík P, Tkáč I, Giove F, DiNuzzo M, Deelchand DK, Emir UE, **Eberly LE**, †Mangia S. Neurochemical and BOLD responses during neuronal activation measured in the human visual cortex at 7 Tesla. *J Cereb Blood Flow Metab*. 2015 Mar 31;35:601-10. PMID: 25564236
61. †Corum C, Benson J, Idiyatullin D, Snyder A, Snyder C, Hutter D, Everson L, **Eberly L**, Nelson M, Garwood M. High-spatial and high-temporal-resolution Breast DCE MRI with SWIFT (Sweep Imaging with Fourier Transformation): a pilot study. *Radiology*. 2015 Feb;274(2):540-547. PMID: 25247405.
62. Öz G, Kittelson E, Demirgoz D, Rainwater O, **Eberly LE**, Orr HT, Clark HB. Assessing recovery from neurodegeneration in spinocerebellar ataxia 1: Comparison of in vivo magnetic resonance spectroscopy with motor testing, gene expression, and histology. *Neurobiology of Disease*. 2015 Feb;74:158-166. PMID: 25446943
63. Bliss DZ, §Gurvich O, §Savik K, **Eberly LE**, Harms S, and Wyman JF. Racial and ethnic disparities in time to cure of incontinence present at nursing home admission. *J Health Disparities Research and Practice*. 2014;7(3):96-113.
64. Harms S, Bliss DZ, Garrard JM, †Cunanan K, §Savik K, §Gurvich O, Mueller CA, Wyman JF, **Eberly LE**, Virnig B. Prevalence of pressure ulcers by race and ethnicity for older people admitted to nursing homes. *J Gerontological Nursing*. 2014;40(3):20-26. PMID: 23623144.
65. Blair CK, Kelly AS, Steinberger J, **Eberly LE**, Napurski C, Robien K, Neglia JP, Mulrooney DA, Ross JA. Feasibility and preliminary efficacy of the effects of flavonoid-rich purple grape juice on the vascular health of childhood cancer survivors: a randomized controlled crossover trial. *Pediatric Blood and Cancer*. 2014 Dec;61(12):2290-2296. PMID: 25175762.

66. Klimes-Dougan B, **Eberly LE**, Westlund MK, †Kurkiewicz P, Houri A, Schlesinger A, Thomas KM, Mueller BA, Lim KO, ‡Cullen KR. Multilevel assessment of the neurobiological threat system in depressed adolescents: interplay between the limbic system and HPA axis. *Development and Psychopathology*. 2014 Nov;26(4 Pt 2):1321-1335. PMID: 25422964.
67. ‡Cullen KR, Westlund MK, Klimes-Dougan B, Mueller BA, Houri A, **Eberly LE**, Lim KO. Abnormal amygdala resting-state functional connectivity in adolescent depression. *JAMA Psychiatry*. 2014 Oct;71(10):1138-1147. PMID: 25133665.
68. ‡Cullen K, **Eberly LE**, Heller MD, Schlesinger A, Gold PW, Martinez PE, Klimes-Dougan B. Personality disorders in offspring of mothers with mood disorders: results from a longitudinal family study. *Psychiatry Research*. 2014 Aug 30;218(3):303-310. PMID: 24844978.
69. ‡Chow L, Mashek D, †Austin E, **Eberly LE**, Persson X-M, Mashek M, Seaquist E, Jensen M. Training status diverges muscle diacylglycerol accumulation during free fatty acid elevation. *Am J Physiol - Endocrinology and Metabolism*. 2014 Jul;307(1):E124-131. PMID: 24844260.
70. Terpstra M, ‡Moheet A, Kumar A, **Eberly L**, Seaquist E, Öz G. Changes in human brain glutamate concentration during hypoglycemia: insights into cerebral adaptations in hypoglycemia associated autonomic failure in type 1 diabetes. *Journal of Cerebral Blood Flow and Metabolism*. 2014 May;34(5):876-882. PMID: 24549182.
71. Öz G, Kittelson E, Demirgöz D, Rainwater O, **Eberly LE**, Orr HT, Clark HB. Assessing Recovery from Neurodegeneration in Spinocerebellar Ataxia 1: Comparison of in vivo Magnetic Resonance Spectroscopy with Motor Testing, Gene Expression and Histology, *Neurobiology of Disease*. 2014 Feb;74:158-166. PMID: 25446943.
72. ‡Moheet A, Kumar A, **Eberly LE**, †Kim J, †Roberts R, Seaquist ER. Hypoglycemia associated autonomic failure in healthy humans: Comparison of 2 vs 3 periods of hypoglycemia on hypoglycemia-induced counterregulatory and symptom response 5 days later. *Journal of Clinical Endocrinology and Metabolism*. 2014 Feb;99(2):664-670. PMID: 24423306.
73. Satzer D, Lanctin D, **Eberly L**, ‡Abosch A. Variation in Deep Brain Stimulation Electrode Impedance over Years Following Electrode Implantation. *Stereotactic and Functional Neurosurgery*. 2014;92(2):94-102. PMID: 24503709.
74. ‡Moheet A, Emir UE, Terpstra M, Kumar A, **Eberly LE**, Seaquist ER, and Öz G. Initial experience with seven tesla magnetic resonance spectroscopy of hypothalamic GABA during hyperinsulinemic euglycemia and hypoglycemia in healthy humans. *Magn Reson Med*. 2014 Jan;71(1):12-8. PMID: 23423963.
75. ‡Mangia S, ‡Carpenter AF, Tyan AE, **Eberly LE**, Garwood M, Michaeli S. Magnetization transfer and adiabatic T1rho reveal abnormalities in normal appearing white matter of subjects with multiple sclerosis. *Multiple Sclerosis Journal*. 2013 Dec 12;20(8):1066-1073. PMID: 24336350.
76. Emir UE, Clark BH, Vollmers ML, **Eberly LE**, Öz G. Non-invasive detection of neurochemical changes prior to overt pathology in a mouse model of spinocerebellar ataxia type 1. *J Neurochem*. 2013 Dec;127(5):660-668. PMID: 24032423.
77. **Eberly LE**, Hodges JS, §Savik K, §Gurvich O, Bliss DZ, Mueller C. Extending the Peters-Belson approach for assessing disparities to right censored time-to-event outcomes. *Statistics in Medicine*. 2013 Oct 15;32(23):4006-4020. PMID: 23703882.

78. Bliss DZ, Harms S, Garrard JM, †Cunanan K, §Savik K, §Gurvich O, Mueller, Wyman JF, **Eberly LE**, Virnig B. Prevalence of incontinence by race and ethnicity of older people admitted to nursing homes. *Journal of the American Medical Directors Association*. 2013 Jun;14(6):451.e1-451.e7. PMID: 23623144.
79. ‡Mangia S, Kumar AF, ‡Moheet AA, †Roberts RJ, **Eberly LE**, Seaquist ER, Tkáč I. Neurochemical profile of patients with type 1 diabetes measured by 1H-MRS at 4T. *J Cerebral Blood Flow Metab*. 2013 May;33(5):754 - 759. PMC3652707.
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Books

1. C Le and **LE Eberly** (2016). *Introduction to Biostatistics*, 2nd Edition, New York: John Wiley & Sons.

Book Chapters

- * 1. Bezener M, **Eberly LE**, Hughes J, Jones G, and Musgrove DR. Bayesian spatiotemporal modeling for detecting neuronal activation via functional magnetic resonance imaging. In W. K. Hardle, H. H.S. Lu, and X. Shen, editors, *Handbook of Big Data Analytics*, Springer Handbooks of Computational Statistics. Springer, 2016.
2. **Eberly LE**, Stamler J, Kuller LH, Neaton JD (2008). Multiple Risk Factor Intervention Trial (MRFIT). In: *Wiley Encyclopedia of Clinical Trials*. D’Agostino RB, Sullivan L, Massaro J, Eds. Hoboken, NJ: John Wiley & Sons, Inc.
3. B Caffo, D Bowman, **L Eberly**, and S Bassett (2009). A Markov chain Monte Carlo based analysis of a multilevel model for functional MRI data. *The Handbook of Markov Chain Monte Carlo* edited by Steve Brooks, Andrew Gelman, Galin Jones, Xiao-Li Meng.
4. Stamler J, Daviglius M, Garside DB, Greenland P, **Eberly LE**, †Yang L, and Neaton JD (2006). “Low risk cardiovascular status: Impact on cardiovascular mortality and longevity.” In Lauer RM, Burns TL, Daniels SR (Editors), *Pediatric Prevention of Atherosclerotic Cardiovascular Disease*, London: Oxford University Press.
5. **Eberly LE** (2007). “Multiple Linear Regression.” Pp. 165-188 in Ambrosius WT (Editor), *Topics in Biostatistics*, New York: Humana Press.
6. **Eberly LE** (2007). “Correlation and Simple Linear Regression.” Pp. 143-164 in Ambrosius WT (Editor), *Topics in Biostatistics*, New York: Humana Press.

Non-Peer-Reviewed Publications

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

1. †Chang Y, **Eberly L**, Harms S, and Garrard J (2005). “Association between race/ethnicity and prevalence of epilepsy and antiepileptic drug treatment upon admission to the nursing home,” *ASA Proceedings of the 2005 Joint Statistical Meetings*.
2. **Eberly LE** and †Thackeray LM (2003). “Diagnosing non-normality of random effects in General Linear Mixed Models: Can we distinguish between an incorrect mean model and an incorrect random effects model?” *Biometrics Proceedings of the 2003 Joint Statistical Meetings*.
3. **Eberly LE**, †Mullin C, and Grambsch P (2002). “Testing for non-proportional hazards in stratified models,” *Biopharmaceutical Proceedings of the 2002 Joint Statistical Meetings*.
4. **Eberly LE** and Grambsch P (2001). “Comparison of inverse Gaussian distributions with two-parameter Weibull, log normal, and gamma for modeling censored survival data,” *Biopharmaceutical Proceedings of the 2001 Joint Statistical Meetings*.
5. **Eberly LE** and Louis TA (2000). “Estimating Random Effects Based on Both Bayes and Frequentist Performance Measures in Clinical Trials,” *Biopharmaceutical Proceedings of the 2000 Joint Statistical Meetings*.
6. **Eberly LE** and Louis TA (1999). “Bayes / Frequentist Compromise Rules for Outlier Detection,” *Bayesian Statistical Science Proceedings of the 1999 Joint Statistical Meetings*.

Research Grant Support - all received at University of Minnesota

External Support

Current External Support:

- * 1. **Source:** JDRF 3-SRA-2017-483-S-B
Title: Hypoglycemia after exercise in type 1 diabetes: Intranasal naloxone as a novel therapy to preserve hypoglycemia counterregulation
Role: Co-Investigator (P.I. Dr. Elizabeth Seaquist)
Period: Aug 2017 – Jul 2020
- * 2. **Source:** NIH R01 NS035192
Title: Measurement of glucose homeostasis in human brain by NMR
Role: Co-Investigator (P.I. Dr. Elizabeth Seaquist and Dr. Gulin Oz)
Period: Jan 2018 – Dec 2022
- * 3. **Source:** NIH 1R01AG05559
Title: Linking Connectomics to Biochemical Trajectories of Aging: How the Human Brain Ages Differently in Key Regions of the Default Mode Network
Role: Co-Investigator (P.I. Dr. Melissa Terpstra)
Period: Sep 2017 – Aug 2021
- * 4. **Source:** NIH R21NS1111154
Title: Defining Biomarkers for Spinocerebellar Ataxia Type 3
Role: Co-Investigator
Period: Apr 2019 – Mar 2021
- * 5. **Source:** NIH 2 R01 NS037019
Title: Basal Ganglia Cortical Coupling and Connectivity Changes in PD and DBS
Role: Co-Investigator (P.I. Dr. Jerrold Vitek)
Period: Mar 2019 – Jan 2024
- * 6. **Source:** NIH 1R01-GM130622
Title: Identifying Biomarkers from Multi-source Multi-way Data
Role: Co-Investigator (P.I. Dr. Eric Lock)
Period: Mar 2019 – Nov 2024
- * 7. **Source:** NIH
Title: Udall Center for Parkinson's Disease
Role: Principle Investigator (Director) of the Biostatistics Core (Center P.I. Dr. Jerrold Vitek).
Period: Sep 2016 – Jun 2021
Current Year Direct Costs:
8. **Source:** NIH/NINDS R01
Title: Partnerships for Magnetic Resonance Spectroscopy Biomarker Development.
Role: Co-Investigator, 4% effort plus a Biostatistics graduate student (P.I. Dr. Gülin Öz).
Period: Jul 2015 – Jun 2020.
Current Year Direct Costs: \$651,634.

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

9. **Source:** NIH/NIDDK R01
Title: Identifying the Brain Substrates of Hypoglycemia Unawareness in Type 1 Diabetes.
Role: Co-Investigator, 15% effort (P.I. ‡Dr. Silvia Mangia).
Period: Sep 2014 – May 2020.
Current Year Direct Costs: \$419,309.

Past External Support:

1. **Source:** FARA
Title: Early and Longitudinal Assessment of Neurodegeneration in the Brain and Spinal Cord in Friedreich's Ataxia
Role: Co-Investigator, 1% effort (P.I. Dr. P-G Henry)
Period: Nov 2015 – Oct 2019
- * 2. **Source:** NIH 1R21-NS101140
Title: Effects of Changes in Insulin Resistance and Systemic Inflammation after Bariatric Surgery on Brain Neurochemistry, Neuroinflammation and Cognitive Function
Role: Co-Investigator (P.I. Dr. Amir Moheet)
Period: Aug 2017 – Jul 2019
- * 3. **Source:** MN SCI & TBI Research Grant Program
Title: Eyetracking and Neurovision Rehabilitation of Oculomotor Dysfunction in Mild Traumatic Brain Injury
Role: Sub-Contract P.I. (Overall P.I. Dr. Sarah Rockswold)
Period: Oct 2017 – Jun 2019
- * 4. **Source:** Supernus
Title: Cognitive effects of IR vs XR TPM (Trokendi XR) in Patients with Migraine
Role: Co-Investigator (P.I. Dr. Susan Marino)
Period: Apr 2017 – Apr 2019
- * 5. **Source:** MN Office of Higher Education
Title: Neuroimaging and Neurovision Rehabilitation of Oculomotor Dysfunction in Mild Traumatic Brain Injury
Role: Co-Investigator (P.I. Dr. Christophe Lenglet)
Period: Feb 2018 – Jun 2018
- * 6. **Source:** NIH/NIMH R01 (NIH 1R01-MH07394)
Title: A longitudinal study examining three RDoC constructs in adolescents with non-suicidal self-injury
Role: Co-Investigator plus student (P.I. Dr. Kathryn Cullen).
Period: Aug 2016 – Dec 2017
- * 7. **Source:** NIH/NIMH R01
Title: Admin Supplement for "A longitudinal study examining three RDoC constructs in adolescents with non-suicidal self-injury"
Role: Co-Investigator plus student (P.I. Dr. Kathryn Cullen).
Period: Jun 2017 – May 2018

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

8. **Source:** NIH P41
Title: NMR Imaging and Spectroscopy Biotechnology Research Center (BTRC).
Role: Statistician, 8% effort (P.I. Dr. Kamil Ugurbil).
Period: Jun 2013 – May 2018.
9. **Source:** NIH/OWHR/NIDA Statistical Analysis Core for the P50 project Progesterone treatment for impulsivity, Nicotine and Cocaine Abuse: Sex Differences.
Role: **Statistical Analysis Core Principal Investigator**, 12% effort plus staff statistician and Biostatistics graduate student (P50 P.I. Dr. Marilyn Carroll).
Period: Aug 2012 – Jul 2018.
Last Year Direct Costs: \$563,131.
10. **Source:** NIH/NINDS R01
Title: Characterizing and Predicting Drug Effects on Cognition.
Role: Consultant, 5% effort plus staff statistician (P.I. Dr. Susan Marino).
Period: Apr 2012 – May 2017.
11. **Source:** Juvenile Diabetes Research Foundation
Title: Use of N-Acetyl Cysteine for the Prevention and Treatment of HAAF.
Role: Co-Investigator, 8% effort (P.I. Dr. Elizabeth Seaquist).
Period: Sep 2014 – Aug 2016.
12. **Source:** NIH/NINDS R01
Title: Measurement of Glucose Homeostasis in Human Brain by NMR.
Role: Co-Investigator, 5% effort (Multiple P.I.s Dr. Elizabeth Seaquist and Dr. Gülin Öz).
Period: Sep 2011 – Jun 2016.
13. **Source:** MnDRIVE
Title: Repetitive Transcranial Magnetic Stimulation for Adolescent Depression: Efficacy, Predictive Biomarkers and Mechanisms
Role: Co-Investigator, 5% effort in year 2 (P.I. Dr. K. Cullen)
Period: Mar 2015 – Feb 2017
14. **Source:** NIH R21
Title: Probing the intracellular environment & Connectivity in Normal Aging using MRI
Role: Co-Investigator, 5% effort (P.I. Dr. M. Marjanska)
Period: Sep 2015 – Mar 2017
15. **Source:** Minnesota Office of Higher Education
Title: Neuroimaging and Neurovision Rehabilitation of Oculomotor Dysfunction in Mild Traumatic Brain Injury
Role: Co-Investigator, 5% effort in last 6 months (P.I. Dr. C. Lenglet)
Period: Feb 2016 – Jun 2017
16. **Source:** Clearway MN
Title: Exercise to Promote Quit Attempts in Young Adults.
Role: Co-Investigator, 1% effort (P.I. ‡Dr. Alicia Allen).
Period: Jun 2015 – Dec 2016.
17. **Source:** Alzheimer's Association
Title: Automated Semantic Indices for Early Detection of Cognitive Changes.

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- Role:** Co-Investigator, 5% effort (P.I. Dr. Serguei Pakhomov).
Period: Feb 2014 – Sept 2015.
18. **Source:** NIH/NINDS R03
Title: Functional MRS at 7T to Study Neuronal Inhibition in Humans.
Role: Co-Investigator, 5% effort (P.I. ‡Dr. Silvia Mangia).
Period: Jan 2014 – Dec 2015.
19. **Source:** NIH/NINDS R01
Title: Magnetic Resonance Spectroscopy Biomarkers of Neurodegeneration.
Role: Co-Investigator, 5% effort (P.I. Dr. Gülin Öz).
Period: Sep 2010 – Aug 2015.
20. **Source:** Friedrich’s Ataxia Research Association
Title: Early and Longitudinal Assessment of Neurodegeneration in the Brain and Spinal Cord.
Role: Co-Investigator, 1% effort (P.I. Dr. P-G. Henry).
Period: May 2014 – Apr 2015.
21. **Source:** NIH/NINR R01.
Title: Disparities in incontinence and perineal skin damages in nursing home elderly grant.
Role: Co-Investigator, 5-15% effort (P.I. Dr. Donna Bliss); directed analyses of two staff MS statisticians.
Period: July 2009 – June 2015.
22. **Source:** NIH/NIMH R21.
Title: Exploring the Neural Circuitry of Deliberate Self-Harm in Adolescents.
Role: Co-Investigator, 5% effort (P.I. ‡Dr. Kathryn Cullen).
Period: Apr 2012 – Jan 2015.
23. **Source:** Bob Allison Ataxia Research Foundation.
Title: Magnetic Resonance Spectroscopy of the Spinal Cord and Brain in Friedreich’s Ataxia.
Role: Co-Investigator, 5% effort (P.I. Dr. Isabelle Iltis).
Period: Jul 2012 – Jun 2013.
24. **Source:** NIH/NIDA R01.
Title: Extended-Release Mixed Amphetamine Salts for Adults with ADHD.
Role: Co-Investigator, 5% effort, and supervised a Biostatistics PhD student (P.I. Dr. John Grabowski).
Period: Apr 2012 – Aug 2014.
25. **Source:** American Diabetes Association.
Title: Hypoglycemia Unawareness in Patients with Type 1 Diabetes grant.
Role: Co-Investigator, 5% effort, and a Biostatistics PhD student (P.I. Dr. Elizabeth Seaquist).
Period: Jul 2009 – Jun 2014.
26. **Source:** National Ataxia Foundation.
Title: Magnetic Resonance Imaging and Spectroscopy of the Brain with Friedrich’s Ataxia and Ataxia.
Role: Co-Investigator, 2% effort (P.I. Dr. Isabelle Iltis).
Period: Jan 2011 – Jun 2012.

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27. **Source:** Cooperative Agreement Funding from ASPH and CDC/Epilepsy Program.
Title: Incidence of epilepsy/seizure and outcomes in nursing homes: a 5 year cohort.
Role: **Principal Investigator**, 35% effort, Co-Investigators, and a Biostatistics PhD student.
Period: June 2008 – Aug 2011.
28. **Source:** NIH/NCI R21.
Title: Improved Breast DCE MRI with SWIFT grant.
Role: Co-Investigator, 5% effort (P.I. ‡Dr. Curt Corum).
Period: Sept 2009 – Jan 2012.
29. **Source:** NIH/NIA R01.
Title: Clinical Impact of Unstable AED Levels in Elderly Nursing Home Residents.
Role: Co-Investigator, 10% effort (P.I. Dr. Angela Birnbaum).
Period: July 2007 – June 2012.
30. **Source:** NIH/NINDS R21.
Title: Neurochemical Correlates of Pathology in Spinocerebellar Ataxias.
Role: Co-Investigator, 5% effort (P.I. Dr. Gülin Öz).
Period: July 2007 – June 2010.
31. **Source:** NIH/NCI R01.
Title: Quantitative MRS of the Human Breast.
Role: Co-Investigator, 5% effort (P.I. Dr. Patrick Bolan).
Period: Apr 2007 – Nov 2010.
32. **Source:** Henry M. Jackson Foundation.
Title: Infectious Disease Clinical Research Program (IDCRP) Data Analysis Center.
Role: **Principal Investigator**, 25% effort, plus Co-Investigators, staff statisticians, and Biostatistics PhD students.
Period: Apr 2009 – Mar 2012.
Direct Costs Last Year: \$42,700 (support tapered as IDCRP grew its in-house statistical support).
Direct Costs First Year: \$1,388,400.
33. **Source:** Henry M. Jackson Foundation.
Title: Infectious Disease Clinical Research Program (IDCRP) Data Analysis Center.
Role: **Co-Principal Investigator**, 25% effort, plus Co-Investigators, staff statisticians, and Biostatistics PhD students (P.I. Dr. Alan Lifson).
Period: Sept 2007 – Mar 2009.
Direct Costs Last Year: \$956,757.
34. **Source:** NIH/NINR R01.
Title: Informatics Based Nurse Triage in Lung Transplant Care grant.
Role: Member of Data Safety and Monitoring Board, 1% effort (P.I. Dr. Stanley Finkelstein).
Period: Aug 2005 – May 2009.
35. **Source:** NIH/NCI R21.
Title: Thermochemical ablation in image-guided interventions: Intital assessment.
Role: Statistician, 2% effort (P.I. Dr. Erik Cressman).
Period: Apr 2008 - Mar 2010.

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36. **Source:** Bob Allison Ataxia Research Center (BAARC).
Title: Neurochemical Alterations in SCA1 Mouse Models and Patients by High Field Magnetic Resonance Spectroscopy grant.
Role: Co-Investigator, 3% effort (P.I. Dr. Gülin Öz).
Period: June 2007 – May 2008.
37. **Source:** NIH/NCI.
Title: Comprehensive Cancer Center, University of Minnesota, Biostatistics Core.
Role: 10% effort (Core P.I. Dr. Chap Le).
Period: Jan 2007 – May 2008.
38. **Source:** NIH R01.
Title: MRS and MRI of Breast Cancer at Very High Magnetic Field grant.
Role: Statistician, 8% effort (P.I. Dr. Michael Garwood).
Period: May 2006 – Apr 2007.
39. **Source:** NIH/NCI R01.
Title: Statistical Methods in Cancer Control and Epidemiology (SMICCE).
Role: **Co-Principal Investigator**, 10% effort plus a Biostatistics MS student (P.I. Dr. Bradley Carlin).
Period: Aug 2003 – July 2007.
Direct Costs Last Year: \$240,862.
40. **Source:** NIH/NINDS P50.
Title: Epilepsy Clinical Research.
Role: Co-Investigator, 15% effort plus a Biostatistics MS student (P50 P.I. Dr. Ilo Leppik, Project P.I. Dr. Judith Garrard).
Period: Sept 2002 – Dec 2007.
41. **Source:** NIH/NHLBI R01.
Title: MRFIT Long-term Mortality Follow-up.
Role: **Co-Principal Investigator**, 15-40% effort plus Consultants, staff statisticians, and Biostatistics MS students (P.I. Dr. James Neaton).
Period: Jan 2001 – June 2006.
Direct Costs Last Year: \$292,950.
42. **Source:** Retirement Research Foundation.
Title: Medication Use by Residents of Assisted Living Facilities.
Role: Co-Investigator, 10% effort (P.I. Dr. Judith Garrard).
Period: Nov 2000 – Sept 2002.
43. **Source:** NIH/NINDS.
Title: Pharmacoepidemiology of Antiepileptics.
Role: Co-Investigator, 10-15% effort plus a Biostatistics MS student (P50 P.I. Dr. Ilo Leppik, Project P.I. Dr. Judith Garrard).
Period: July 1997 – Aug 2002 (Dr. Eberly's support began in July 2000).
44. **Source:** NIH/NCI R01.
Title: Effect of Minnesota State and Local Programs on Youth Tobacco Use grant.
Role: Co-Investigator, 10% effort (P.I. Dr. Jean Forster).
Period: Jun 2000 – May 2004 (Dr. Eberly's support ended in Apr 2003).

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45. **Source:** Environmental Protection Agency.
Title: Measuring and Apportioning Children's Exposures to Pesticides in Urban, Suburban, and Rural Communities.
Role: Statistician, 5% effort (P.I. Dr. Ken Sexton).
Period: Oct 1996 – Feb 2002 (Dr. Eberly's support began in Sept 1999).
46. **Source:** NIH/NIAID.
Title: Community Programs for Clinical Research on AIDS.
Role: Senior Statistician, 20% effort (P.I. Dr. James Neaton).
Period: Oct 1997 – Mar 2001.
47. **Source:** Agency for Health Care Policy and Research (AHCPR).
Title: Patient Outcomes Associated with Antidepressant Drugs.
Role: Statistician, 10-15% effort (P.I. Dr. Judy Garrard).
Period: Mar 1993 – Feb 1999 (Dr. Eberly's support began in Jul 1998).

Internal Support

Current Internal Support:

- * 1. **Source:** UMN Academic Investment Research Program
Title: Center for Cerebellar Network Structure/Function in Health and Disease
Role: Co-Investigator (P.I. Dr. Gulin Oz)
Period: Oct 2019 – Sept 2022
Total Period Direct Costs: \$1.5 million
- * 2. **Source:** University of Minnesota Academic Health Center Faculty Research Development Grant.
Title: Marijuana initiation, sex differences, cognitive function (attention, planning, decision making, and learning), impulsivity and response to stress in adults.
Role: **Multiple P.I.s Dr. Lynn Eberly** and Dr. Sharon Allen; research staff and computing support, no faculty support provided.
Period: Jan 2019 – Dec 2020.
Direct Costs Entire Period: \$200,000.

Past Internal Support:

- * 1. **Source:**
Title:
Role:
Period:
Current Year Direct Costs:
- * 2. **Source:** MN Partnership for Biotechnology and Medical Genomics.
Title: Partnership for Early Detection of Alzheimer's Disease using Advanced MR Technology.
Role: Co-Investigator 5% effort and a Biostatistics PhD student (P.I. Dr. Gulin Oz).
Period: Feb 2013 – Jan 2016.
Direct Costs Current Year: \$83,409.

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

- * 3. **Source:** University of Minnesota Infrastructure Reinvestment Initiative (I3).
Title: New infrastructure for campuswide access to 3T MRI.
Role: Co-Investigator, no faculty support provided (P.I. Dr. Steven Engel).
Period: Jul 2011 – Jun 2016.
Direct Costs Current Year: \$1,499,000.
- * 4. **Source:** University of Minnesota Academic Health Center Faculty Research Development Grant.
Title: Non-Suicidal Self Injury in Adolescents: Neural Circuitry before and after Treatment with N-Acetyl Cysteine.
Role: **Multiple P.I.s Dr. Lynn Eberly** and ‡Dr. Kathryn Cullen; Biostatistics PhD student and computing support, no faculty support provided.
Period: Jan 2012 – Jun 2015.
Direct Costs Entire Period: \$200,000.
- 5. **Source:** University of Minnesota Grant-in-Aid of Research, Artistry, and Scholarship.
Title: Time to Exhaustion of Anti-HIV Drugs Through Multivariate Frailty Models.
Role: **Principal Investigator;** graduate student stipend and computing support, no faculty support provided.
Period: July 2000 – Dec 2001.
Direct Costs Last Year: \$20,010.

Training Grants

Note: The KL2 and K23 grants of my clinical research scholar mentees are not listed here.

- * 1. **Source:** NIH T32 (current)
Title: Training in Biostatistics for Heart, Lung and Blood Disease Research
Role: Faculty Mentor and Member of the Program Advisory Committee (no effort support) (P.I. Dr. James Neaton)
Period: Sep 2016 – Aug 2020
Direct Costs First Year: \$145,948
- 2. **Source:** NIH T32 (current)
Title: Comorbidity: Substance Use Disorders and other Psychiatric Conditions
Role: Affiliated Training Faculty (no effort support) (P.I. Dr. John Grabowski)
Period: Jul 2014 – Jun 2019
Direct Costs Current Year: \$258,939
- 3. **Source:** NIH K12 (past)
Title: Training in Biostatistics for Research
Role: Faculty Mentor (no effort support) (P.I. Dr. Russell Luepker)
Period: Sep 2005 – Aug 2010
Direct Costs Last Year: \$3,374,024
- 4. **Source:** NIH T32 (past)
Title: Graduate Training in Biostatistics
Role: Faculty Mentor; Member of the Executive Committee 2005-2006 (no effort support) (P.I. Dr. John Connett)

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

* indicates activities since promotion to Professor

Eberly LE (January 16, 2020)

Period: Aug 1994 – Sep 2010

Direct Costs 2005-2006: (last year of my Exec.Comm. involvement) \$176,514

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

Presentations & Posters

Note: Conference presentations and posters made by my scientific collaborators, on which I am co-author, and presented at a non-statistical conference are not listed.

Invited Conference Presentations

1. Lyu T, Lock E, and **Eberly LE**. “Discriminating sample groups with multi-way biochemical neuroimaging data,” invited talk presented by LE Eberly at the Women in Data Science conference, Institute for Mathematics and its Applications, University of Minnesota, February 2017.
2. **Eberly LE**, Kuller LH, Peng Y, Neaton JD, and Stamler J. “Dietary Patterns in Middle-Age and Longevity in the Multiple Risk Factor Intervention Trial (MRFIT),” invited talk presented by LE Eberly at the conference on *Nutrition and Quality Health Among Older Individuals: What Should We Recommend?* Center for Healthy Aging, Graduate School of Public Health, University of Pittsburgh, May 2006.

Contributed Conference Presentations & Posters

1. †Lyu T, Lock E, **Eberly LE**. “Discriminating sample groups with multi-way biochemical neuroimaging data,” oral presentation given by **L Eberly** at the 2017 Eastern North American Region Spring Meeting of the International Biometric Society, Washington, DC, 12 - 15 March 2017.
2. †Musgrove D, Hughes J, and **Eberly LE**. “Fast, fully Bayesian spatiotemporal inference for fMRI data,” poster presentation given by D Musgrove at the 2015 Eastern North American Region Spring Meeting of the International Biometrics Society, Miami, FL, 15 - 18 March 2015.
3. **Eberly LE**, Hodges J, Savik K, Gurvich O, and Bliss D. “Extending the Peters-Belson approach for assessing disparities to right censored time-to-event outcomes,” oral presentation given by **L Eberly** at the 2014 Eastern North American Region Spring Meeting of the International Biometrics Society, Baltimore, MD, 16 March - 19 March 2014.
4. †Musgrove D, Hughes J, and **Eberly LE**. “Fast, fully Bayesian spatiotemporal inference for fMRI data,” poster presentation given by D Musgrove at the 7th Annual Bayesian Biostatistics and Bioinformatics Meeting, Houston, TX, 12 - 14 February 2014.
5. †Musgrove D, **Eberly LE**, and ‡Cullen KR. “Effective Connectivity Modeling of Functional MRI using Dynamic Causal Modeling with Application to Depression in Adolescence,” oral presentation given by D Musgrove at the 2013 Eastern North American Region Spring Meeting of the International Biometrics Society, Orlando, FL, 10 - 13 March 2013.
6. †Li S, **Eberly LE**, and Caffo BS. “Simple modifications of a t-test for improved power with FDR control in fMRI,” oral presentation given by **L Eberly** at the 2012 Eastern North American Region Spring Meeting of the International Biometrics Society, Washington, DC, 30 March - 2 April 2012.

† Biostatistics pre-doctoral mentee; ‡ Clinical post-doctoral mentee; § Supervised staff statistician

7. †Li S and **Eberly LE**. “Empirical null distribution modeling for signal detection in fMRI,” oral Contributed presentation given by S Li at the 2011 Joint Statistical Meetings, Miami Beach, FL, July 30 - August 4 2011.
8. **Eberly LE**, Hodges JS, Bliss DZ, Savik K, Gurvich O, Harms SL. “The Peters-Belson Method for Assessing Health Care Disparities, Extended to Survival Analysis,” oral Contributed presentation given by JS Hodges at the 2011 Joint Statistical Meetings, Miami Beach, FL, July 30 - August 4 2011.
9. †Li S and **Eberly LE**. “Enhanced Global Error Rate Control in Neuroimaging Data,” poster presentation given by S Li at the 2010 Eastern North American Region Spring Meeting of the International Biometrics Society, New Orleans, LA, March 21-24 2010.
10. **Eberly LE**. “Diffusion Tensor Imaging in the Brain: Overview,” oral Topic Contributed presentation given by **LE Eberly** at the 2009 Joint Statistical Meetings, Washington, DC, August 2 - 6 2009.
11. **Eberly LE** and Caffo BS. “Adapting FDR Thresholding Procedures to Neuroimaging,” oral presentation given by **LE Eberly** at the 2008 Joint Statistical Meetings, Denver, CO, August 3 - 7 2008.
12. **Eberly LE** and Caffo BS. “FDR Thresholding in a Neuroimaging Context,” oral presentation given by **LE Eberly** at the 2008 Eastern North American Region Spring Meeting of the International Biometrics Society, Arlington, VA, March 16 - 19 2008.
13. †Chang Y, **Eberly LE**, Harms SL, and Garrard JM. “Association of race/ethnicity with prevalence of epilepsy and its treatment with antiepileptic drugs in nursing home admissions,” oral presentation given by Y Chang at the 2005 Joint Statistical Meetings, Minneapolis, MN, August 7-11 2005.
14. **Eberly LE** and †Thackeray LM. “Diagnosing non-normality of random effects in General Linear Mixed Models: Can we distinguish between an incorrect mean model and an incorrect random effects model?” oral presentation given by **LE Eberly** at the 2003 Joint Statistical Meetings, San Francisco, CA, August 3-7 2003.
15. **Eberly LE** and †Yang L. “Adjusting for clinic effects when estimating a treatment effect: stratified, cluster, and frailty models,” oral presentation given by **LE Eberly** at the 2003 Eastern North American Region Spring Meeting of the International Biometrics Society, Tampa, FL, March 30 - 2 April 2003.
16. **Eberly LE**, †Mullin C, and Grambsch P. “Testing for non-proportional hazards in stratified models,” oral presentation given by **LE Eberly** at the Joint Statistical Meetings, New York, NY, August 11-15 2002.
17. **Eberly LE** and Grambsch P. “Comparison of inverse Gaussian distributions with two-parameter Weibull, log normal, and gamma for modeling censored survival data,” oral presentation given by **LE Eberly** at the Joint Statistical Meetings, Atlanta, GA, August 5-9 2001.
18. **Eberly LE** and Ohman PA. “Use of a shifted frailty distribution for modeling high incidence, highly repeatable events,” poster presentation given by **LE Eberly** at the Second Seattle Symposium on Biostatistics: Analysis of Correlated Data, Seattle, WA, November 20-21 2000.

19. **Eberly LE** and Louis TA. “Estimating Random Effects Based on Both Bayes and Frequentist Performance Measures in Clinical Trials,” oral presentation given by **LE Eberly** at the Joint Statistical Meetings, Indianapolis, IN, August 13-17 2000.
20. **Eberly LE** and Carlin BP. “A spatial application in Bayesian learning and identifiability,” poster presentation given by **LE Eberly** at the Case Studies in Bayesian Statistics Workshop 5, Pittsburgh PA, September 24-25 1999.
21. **Eberly LE** and Louis TA. “Bayes / Frequentist Compromise Rules for Outlier Detection,” oral presentation given by **LE Eberly** at the New Researchers Conference and the Joint Statistical Meetings, Baltimore, MD, August 4-7 1999.
22. **Eberly LE**, Chen L, Hodges J, Huppler-Hullsiek K, and Louis TA. “Correlates of coenrollment,” oral presentation given by **LE Eberly** at the International Biometric Society Eastern North American Region 1999 Spring Meeting, Atlanta GA, March 28-31 1999.
23. **Eberly LE** and Casella G. “MCMC-generated Bayesian credible intervals in hierarchical models,” poster presentation given by **LE Eberly** at the 6th Valencia International Meeting on Bayesian Statistics, Alcossebre, Spain, May 29-June 4 1998.
24. **Eberly LE** and Casella G. “MCMC-generated Bayesian credible intervals in hierarchical models,” oral presentation given by **LE Eberly** at the International Biometric Society Eastern North American Region 1998 Spring Meeting, Pittsburgh PA, March 29 - April 1 1998.
25. **Eberly LE** and Casella G. “Convergence of interval estimates from the Gibbs sampler,” poster presentation given by **LE Eberly** at the Young Researcher Poster Session, Statistics for Correlated Data: Iowa State 50th Anniversary Conference, Ames IA, October 16-18 1997.
26. **Eberly LE** and Casella G. “Interval estimates for cases of clinical mastitis using the Gibbs sampler,” poster presentation given by **LE Eberly** at the Case Studies in Bayesian Statistics Workshop 4, Pittsburgh PA, September 26-27 1997.
27. **Eberly LE** and Casella G. “Constructing interval estimates from the Gibbs sampler,” oral presentation given by **LE Eberly** at the Joint Statistical Meetings, Anaheim CA, August 10-14 1997.
28. **Eberly LE** and Casella G. “Estimating the number of unseen studies in a meta-analysis: an application in lead exposure and IQ levels,” oral presentation given by **LE Eberly** at the Joint Statistical Meetings, Chicago IL, August 4-8 1996.

Invited Departmental Talks

1. Division of Epidemiology and Biostatistics, Department of Preventive Medicine and Biometrics, Uniformed Services University of the Health Sciences, March 2008
2. Statistical Imaging Working Group, Department of Biostatistics, Johns Hopkins University, February 2007
3. Department of Animal Science, University of Minnesota, October 2005.
4. Invited panelist at the PEW Midstates Science and Mathematics Consortium “Upper Level Statistics in the 21st Century: Linking Practice and Pedagogy,” Northfield, MN, November 2003.

5. Department of Mathematics and Computer Science, Carleton College, October 2002.
6. Department of Mathematics and Computer Science, Carleton College, October 2001.
7. Department of Statistics Seminar, Carnegie Mellon University, April 2000.
8. Department of Statistics Biostatistics/Genetics Seminar, Purdue University, October 1999.
9. Department of Statistics Seminar, University of Florida, May 1999.
10. Department of Statistics Seminar, Iowa State University, April 1999.
11. Department of Statistics Seminar, University of Minnesota, December 1998.
12. Department of Mathematics and Statistics Seminar, Winona State University, December 1998.
13. Department of Mathematics and Statistics Seminar, Western Michigan University, March 1997.
14. Department of Statistics and Applied Probability Seminar, University of California - Santa Barbara, February 1997.
15. Biometrics Unit Discussion Series, Cornell University, February 1997.
16. Department of Statistics Seminar, The Pennsylvania State University, February 1997.
17. Biometrics Unit Discussion Series, Cornell University, February 1996.

Internal Research Talks

- * 1. Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2018.
- * 2. Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2017.
- * 3. Udall Center of Excellence for Parkinson's Disease Research, University of Minnesota, October 2016.
- * 4. Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2016.
5. Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2015.
6. Biostatistics/Statistics Imaging Working Group, Division of Biostatistics, University of Minnesota, November 2014.
7. Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2014.
8. Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2013.

TEACHING AND CURRICULUM DEVELOPMENT

Awards

Leonard M. Schuman Excellence in Teaching Award, School of Public Health, University of Minnesota, 2002. This is the premier teaching award of the School of Public Health, and notably was awarded to Dr. Eberly two years prior to her promotion to Associate Professor.

Courses Taught - University of Minnesota

1. PubH 6450, Biostatistics I: Descriptive statistics. Gaussian probability models, point/interval estimation for means/proportions. Hypothesis testing, including t, chi-square, and nonparametric tests. Simple regression/correlation. ANOVA. Health science applications using output from statistical packages.
2. PubH 6460, Biostatistical Thinking: Guest lectures by Biostatistics Graduate Faculty and research staff in order to introduce students to potential Plan B or thesis advisors. Two writing projects.
3. PubH 7402, Biostatistics Modeling and Methods: Second part of a two-course sequence intended for PhD students in the School of Public Health who need a rigorous approach to probability and statistics and statistical inference with applications to research in public health. This course is about modeling data and using the estimates of those models along with estimates of uncertainty of those models to answer scientific research questions.
4. PubH 7405, Regression: T-tests, confidence intervals, power, type I/II errors. Exploratory data analysis. Simple linear regression, regression in matrix notation, multiple regression, diagnostics. Ordinary least squares, violations, generalized least squares, nonlinear least squares regression. Introduction to General linear Model. SAS and S-Plus used.
5. PubH 3415/7415, Introduction to Clinical Trials. See Curriculum Development, below.
6. PubH 7406, ANOVA and Experimental Design: Single factor ANOVA, diagnostics, classical non-parametrics, multifactor ANOVA, multiple comparisons, power and sample size determination, calculating expected mean squares, random/mixed effects models. ANOVA in regression notation. Randomized block designs, nested designs, repeated measures designs, cross-over designs. SAS and S-Plus used.
7. PubH 7430, Methods for Correlated Data. See Curriculum Development, below.
8. PubH 8403, Research Skills: This course introduces doctoral students in Biostatistics to research skills necessary for writing and defending a dissertation, and more generally for a career in research. Format and course topics will vary from week to week, as described below. Students will be given assignments to reinforce skills presented in class. The class meeting time (immediately before seminars) was chosen to facilitate subsequent seminar attendance, since learning how to both give and listen to scholarly talks is itself a research skill.
9. PubH 8452, Advanced Longitudinal Data Analysis: Methods of inference for outcome variables measured repeatedly in time or space. Linear/nonlinear models with either normal or non-normal error structures. Random effects. Transitional/marginal models with biomedical applications.

Curriculum Development - University of Minnesota

1. PubH 3415/7415, Introduction to Clinical Trials: Participating either as a consumer, adviser, or contributor to evidence-based medical and public health decisions requires an understanding of the quality of that evidence. A strong foundation in clinical trials helps prepare scientists to evaluate published medical advances and to implement well-designed pioneering health research. The topics of this Introduction to Clinical Trials class follow the natural sequence in a protocol, and will include: hypotheses and endpoints, choice of intervention and control, ethical considerations, blinding and randomization, data collection and monitoring, sample size, analysis strategies, and writing of the protocol. Motivating examples from published research will be used throughout. All course interactions occur in an on-line environment. Weekly lessons on each topic have an audio lecture presentation, readings in texts and research literature, interactive discussion boards, video delivered by experts, and optional enrichment materials. Students will participate in discussion fora, homework, and exams, all delivered on-line. Graduate students will participate in clinical trial design through a full protocol development, and undergraduate students will participate in pilot clinical trial development and implementation via an interactive virtual population. (Co-developed with Susan Telke, MS.)
2. PubH 7430, Methods for Correlated Data: Correlated data arising from data collected over time or space, group randomizations, cluster sampling, nested designs, or random effects assumptions. Modeling, analysis, and interpretation appropriate for such data, for normally or non-normally (e.g. binary, Poisson, gamma) distributed outcomes. Computing using SAS software.

Guest Lectures - University of Minnesota

- * 1. Imputation for Missing Data, BICB 8510, University of Minnesota, April 2019.
- * 2. Models for Repeated Measures, Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, June 2018.
- * 3. Imputation for Missing Data, BICB 8510, University of Minnesota, April 2018.
- * 4. Models for Repeated Measures, Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, June 2017.
- * 5. Imputation for Missing Data, BICB 8510, University of Minnesota, April 2017.
- * 6. Models for Repeated Measures, Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2016.
7. Models for Repeated Measures, Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2015.
8. Models for Repeated Measures, Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2014.
9. Risk Quantification in MRFIT, Summer Institute in Biostatistics, Division of Biostatistics, University of Minnesota, July 2013.

* indicates activities since promotion to Professor

Eberly LE (January 16, 2020)

Course Enrollments and Evaluations - University of Minnesota

(Begins on next page.)

Course Enrollments and Evaluations - see Notes after table

Course Title	Student Audience	Terms	Students		Q1 median	Q2 median	Q3 median	Notes
			Enrolled	Responded				
3415 Introduction to Clinical Trials	Undergrads in pre-med/pre-health	Summer 2014	4	2	4	6	5.5	N
		Fall 2014	9	6	4.5	5	5	P50
		Summer 2015	3	NA	NA	NA	NA	
		Fall 2016	22	15	5	5	5	
		Summer 2017	10	6	5.5	5	6	
		Summer 2018	8	3	6	5	5	
Summer 2019	9	5	6	4	6	6		
7415 Introduction to Clinical Trials	MPH/MS/PhD in allied health sciences, clinical researchers	Spring 2011	18	13	5	6	6	N,P50
		Spring 2012	9	8	5	5	6	P50
		Summer 2014	12	7	6	6	6	
		Fall 2014	23	17	5	6	6	P50
		Summer 2015	15	12	5	6	5.5	
		Fall 2016	19	16	6	6	5	
		Summer 2017	14	11	6	6	6	
		Summer 2018	14	9	5.5	5	5.5	
		Summer 2019	15	11	6	6	6	
		Summer 2019	71	57	5.6	6.4	5.3	
6450 Biostatistics I	MPH/MS/PhD in allied health sciences	Fall 2007	71	57	5.6	6.4	5.3	
		Fall 2008	59	42	5	6	5	C
		Fall 2009	73	61	5	6	5	C
		Fall 2011	131	119	5	6	5	C,P50
Fall 2012	112	100	5	6	6	C,P50		
6460 Biostatistical Thinking	Biostatistics MS	Fall 2001	32	26	5.8	6.3	4.4	
7402 Biostat Modeling & Methods	PhD other fields	Spring 2019	24	20	5.9	5.9	5.9	
7405 Regression	Biostatistics MS	Winter 1998	10	9	5.0	4.0	5.0	Q
		Winter 1999	11	11	5.6	5.3	5.8	Q

Continued on next page.

Course Title	Student Audience	Terms	Students		Students Responded	Q1			Q2			Q3				
			Enrolled	Students		Enrolled	median	median	median	Enrolled	median	median	Enrolled	median	Notes	
7406 ANOVA and Experimental Design	Biostatistics MS	Fall 1999	23	22	5.3	6.1	5.2									
		Fall 2000	21	17	6.7	6.7	5.9							P33		
		Spring 2003	28	27	6.0	6.0	5.8									
		Spring 2004	24	24	6.6	6.3	6.0									
		Spring 2005	28	24	6.7	6.4	5.9									
		Spring 2006	24	24	6.7	6.7	6.1									
7430 Methods for Correlated Data	Biostatistics MS, other PhD	Spring 2001	20		6.6	6.4	6.0							N		
		Spring 2002	9	9	7.0	6.0	6.0									
		Fall 2002	26	20	6.6	6.7	6.3									
		Fall 2003	30	24	6.3	6.3	6.1									
		Fall 2004	26	26	6.6	6.6	5.8									
		Fall 2005	39	26	6.6	6.5	5.8									
		Fall 2007	40	30	6.8	6.8	6.2									
		8403 Research Skills	Biostatistics PhD	Fall 2017	9	7	6	6	6							
				Fall 2018	12	11	6	6	6							
Fall 2019	10															
8452 Advanced Longitudinal Data Analysis	Biostatistics PhD	Spring Q 1999	11	11	5.3	5.6	4.3									
		Spring 2000	6	5	6.0	7.0	5.0									

Notes:

C = commendation letter received from the School of Public Health Dean and the Educational Policy Committee Chair for a public health core course exceptionally well taught; this is the only course in my list that is eligible for this commendation.

N = new course developed.

P33 = partial responsibility (33%); **P50** = partial responsibility (50%).

Q = quarter not semester offering.

Dr. Eberly had full responsibility for all courses not denoted with P.

For Fall 2007 and earlier, course evaluation questions were:

Q1: "How would you rate the instructor's overall teaching ability?"

Q2: "How would you rate the instructor's respect and concern for students?"

Q3: "How much would you say you learned in this course?"

All questions were answered on the scale 1=very poor, 2, 3, 4=satisfactory, 5, 6, 7=exceptional.

For Fall 2008 and later, course evaluation questions were:

Q1: "How would you rate the instructor's overall teaching ability?"

Q2: "The instructor treated me with respect."

Q3: "I have a deeper understanding of the subject matter as a result of this course."

Q1 was answered on the scale 1=very poor, 2=poor, 3=satisfactory, 4=very good, 5=excellent, 6=exceptional. Q2 and Q3 were answered on the scale of 1=strongly disagree to 6=strongly agree.

ADVISING AND MENTORING

Graduate Faculty Membership

Bioinformatics and Computational Biology Graduate Faculty, University of Minnesota, November 2017–Present.

Health Equity Graduate Faculty, University of Minnesota, November 2016–Present.

Data Science Graduate Faculty, University of Minnesota, January 2014–Present.

Clinical Research Graduate Faculty, University of Minnesota, May 2010–Present.

Biostatistics Graduate Faculty, University of Minnesota, September 1997–Present.

Theses Directed

(Begins on next page.)

* indicates activities since promotion to Professor

Eberly LE (January 16, 2020)

Biostatistics Theses Directed

Advisee	Degree program	Date of completion	Topic
Abrams, Allyson	MS	Nov 2005	The SAS/SaTScan Macro Accessory for Cartography (SMAC) Package
An, Qian	MS	Jul 2005	Bootstrap Confidence intervals for the variance components in a general linear mixed model
Barin, Burc	MS	Jun 2004	Bootstrap-based intervals for frailty models
Barry, Vaughn	MPH	Jun 2006	Cause-specific mortality in relation to Body Mass Index among men from the Multiple Risk Factor Intervention Trial
Brearly, Ann	MS	Jul 2008	Reliability of breast cancer MRS biomarker concentration measurements
Chang, Yanping	MS	Aug 2004	Epilepsy and its treatment in US nursing homes
Chen, Ning	MS	in prog.	Immortal time bias in epidemiological observational studies
Golden, Wen Adele	MS	Aug 2006	Comparison of Nonlinear Mixed Effect Model Fitting in SAS®and SPLUS®: NLMIXED vs. NLME Procedure
Huang, Reiping	MS	Mar 2004	Estimating neighborhood effects in observational studies: comparison of regression models and propensity score matching
Jones, Elizabeth	MS	Jan 2003	Methods for analysis of time-to-event data with time-varying covariates
Kubisiak, Kristine	MS	Jun 2017	Penalized models on non-conventional MRI contrasts to detect subtle abnormalities in white and grey matter in Multiple Sclerosis
Lin, Li-Yu	MPH	Sep 2011	Epilepsy and Seizure Disorder Incidence in United States Nursing Homes
Lind, Gregg	MS	May 2006	PedSeer: A set of computer programs for visualizing, modifying, and repairing pedigree data
Mullin, Chris	MS	Jul 2001	Testing proportional hazards in stratified Cox regression models
Peng, Yi	MS	Mar 2007	Likelihood Ratio Test of Variance Components in General Linear Mixed Model comparing group-specific random intercepts to group-specific random intercepts and slopes
Roberts, Rachel	MS	Sep 2012	Temporal analysis for the characterization of postural sway dynamics and complexity in schizophrenia
Rubin, Nathan	MS	Jun 2017	Identifying impaired awareness of hypoglycemia in Type 1 diabetics
Sheng, Xiaoyan	MS	Aug 2011	Some Operating Characteristics of the Random Survival Forest Algorithm (Co-advised, Dr. Jim Hodges)
Thackeray, Lisa	MS	Jun 2003	Evaluating the normality assumption of random effects in longitudinal models
Wang, Yinghui	MS	Jun 2005	Accounting for dropout in large clinical trials
Weinhandl, Eric	MS	May 2004	Conflicting conclusions from the Wald F-test and the likelihood ratio chi-square test in linear mixed models with small sample sizes
Wold, Nicholas	MS	Oct 2008	Self-rated health and depression: a cross-sectional study of women in rural Nicaragua
Xie, Wanling	MS	Jun 2005	Comparison of two diagnostic procedures, Cook's Distance and Conditional Cook's Distance, in linear mixed models
Yang, Lingfeng	MS	Jun 2002	Power and bias in adjusting for clinic effects: stratified, clustered, and frailty models
Yao, Meng	MS	Jun 2018	Functional data analysis on magnetic resonance spectroscopy data of spinocerebellar ataxias
Ye, Xin	MS	Nov 2004	Prevalence of osteoporotic fracture and drug treatment for osteoporosis in the elderly

Dissertations Directed

Advisee	Degree program	Date of completion	Topic
Butts, Jessica	PhD		(Co-advising, Dr. Sandra Safo)
Guo, Bin	PhD		(Co-advising, Drs. Baolin Wu and Eric Lock)
Li, Shuzhen	PhD	Dec 2012	False Discovery Rate Thresholding for fMRI
Musgrove, Donald	PhD	Apr 2016	Spatial models for large spatial and spatio-temporal data (Co-advised, Dr. John Hughes)
Zhao, Xiaoyue	PhD	Jul 2017	Bayesian modeling and inference for non-Gaussian responses with applications (Co-advised, Dr. Dipankar Bandyopadhyay)
Zhi, Xin	PhD	Aug 2004	Frailty model selection with multiple frailties

Bioinformatics and Computational Biology Theses Directed

Advisee	Degree program	Date of completion	Topic
Khan, Sana	MS	Aug 2019	The impact of genes, environment, and childhood adversity on brain's structure, function, and mental health: Initial findings from a BDNF cohort

* indicates activities since promotion to Professor

Mentoring of Post-Doctoral Clinical Researchers

Advisee	Home Department	Training program	Date of completion	Topic
Abosch, Aviva	Neurosurgery	NIH K12	Jul 2011	High-Field Magnetic Resonance Anatomical and Functional Imaging of Deep Brain Structures
Allen, Alicia	Family Medicine	NIH K12	Sep 2016	Allopregnalone in smoking and cocaine cessation
Bantle, Anne	Endocrinology	NIH K23		
Beckman, Tiffany	Endocrinology	NIH K23	Jul 2016	Neural Correlates of Food Reward in American Indian Women
Carpenter, Adam	Neurology	NIH K12	Jul 2011	Magnetoencephalography (MEG) in Multiple Sclerosis (MS)
Chow, Lisa	Endocrinology	NIH K12	Jul 2010	Training effects on muscle lipid metabolism
Corum, Curt	Radiology	NIH KL2	Feb 2015	Improved Breast MRI Utilizing SWIFT
Cullen, Kathryn	Psychiatry	NIH K23	Oct 2014	Fronto-limbic connectivity in adolescents with major depression
Li, Xiufeng	Radiology	NIH KL2	Feb 2016	Advanced Multi-Parametric MR Imaging for Renal Transplantation
Mangia, Silvia	Radiology	NIH KL2	Feb 2015	Impact of Diabetes on Cerebral Structure and Function in Humans
Moana-Filha, Estephan	Dentistry	NIH K99		Brain Connectivity Patterns in Chronic Temporomandibular Joint Disorders
Moheet, Amir	Endocrinology	NIH KL2	Aug 2015	Hippocampal metabolism and function in patients with type 1 diabetes and hypoglycemia unawareness
Petrucci, Matthew	Neurology	PSG MCRA	Aug 2018	Automated closed-loop algorithm to rapidly optimize deep brain stimulation settings for people with Parkinson's disease

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Research Mentorship of Graduate Students

Advisee	Degree program	Student's Role	Number of Publications
Austin, Erin	PhD Biostatistics	Paid Programmer	2 co-author
Bai, Yun	PhD Biostatistics	Graduate RA*	3 co-author
Brown, Roland	PhD Biostatistics	Volunteer Programmer	1 co-author
Butts, Jessica	PhD Biostatistics	Graduate RA	
Chang, Yanping	PhD Biostatistics	Graduate RA	1 co-author
Cunanan, Kristin	PhD Biostatistics	Graduate RA	3 co-author
Dai, Yu	MS Biostatistics	Graduate RA	2 co-author
Groth, Caroline	PhD Biostatistics	Graduate RA	0
Guo, Bin	PhD Biostatistics	Graduate RA	
Huang, Reiping	MS Biostatistics	Graduate RA	0
Kim, Junggi	PhD Biostatistics	Graduate RA	1 co-author
Kubisiak, Kristine	PhD Biostatistics	Graduate RA	3 co-author
Kurkiewicz, Patrick	MS Biostatistics	Volunteer Programmer	1 co-author
Li, Shuling	MS Biostatistics	Graduate RA	0
Li, Shuzhen	PhD Biostatistics	Paid Programmer	1 co-author
Li, Shuzhen	PhD Biostatistics	Graduate RA	0
Lyu, Tianmeng	PhD Biostatistics	Graduate RA	2 co-author
Ma, Haijun	PhD Biostatistics	Graduate RA	0
Marka, Nicholas	MS Biostatistics	Volunteer Programmer	1
Modak, Sanjukta	PhD Biostatistics	Graduate RA	0
Musgrove, Donald	PhD Biostatistics	Graduate RA	1 first author
Olawsky, Evan	PhD Biostatistics	Graduate RA	1 co-author
Ren, Qian	PhD Biostatistics	Graduate RA	1 co-author
Ren, Yanan	MS Biostatistics	Graduate RA	0
Roberts, Rachel	MS Biostatistics	Graduate RA	2 co-author
Rubin, Nathan	MS Biostatistics	Graduate RA	1 co-author
Schivitz, Elizabeth	MS Biostatistics	Graduate RA	0
Shanley, Ryan	MS Biostatistics	Graduate RA	2 co-author
Ssenkusu, John	PhD Biostatistics	Graduate RA	0
Thackeray, Lisa	MS Biostatistics	Graduate RA	1 co-author
Vazquez, Gabriela	PhD Biostatistics	Graduate RA	1 co-author
Yang, Lingfeng	MS Biostatistics	Graduate RA	3 co-author
Yao, Meng	MS Biostatistics	Volunteer Programmer	1 co-author
Zelinski, Rachel	PhD Biostatistics	Graduate RA	
Zhang, Yafeng	MS Biostatistics	Graduate RA	1 co-author
Zhang, Yuan	PhD Biostatistics	Graduate RA	
Zhao, Xiaoyue	PhD Biostatistics	Graduate RA	0
Zhi, Xin	PhD Biostatistics	Graduate RA	1 co-author

* RA = Research Assistant

Academic Non-Thesis Advising and Student Committees Served On**Biostatistics Masters Students**

Advisee	Degree program	Degree	Date of completion	Role
Ablorh,Akweley Dzomoh	Biostat	MS	Sep 2010	Advisor
Bolch,Charlotte	Biostat	MS	Jul 2015	Master's Final Member/Adv
Cai,Haowen	Biostat	MS	Aug 2008	Master's Final Member
Cao,Qing	Biostat	MS	Jul 2006	Master's Final Member/Adv
Clothier,Barbara Ann	Biostat	MS	Jul 2001	Master's Final Chair/Adv
Dai,Yu	Biostat	MS	Aug 2002	Master's Final Member
Fan,Haiyun	Biostat	MS	Sep 2005	Master's Final Member
Fan,Ying	Biostat	MS	Sep 2004	Master's Final Member
Guo,Xu	Biostat	MS	Oct 2001	Master's Final Member
Imm,So Jung	Biostat	MS	Dec 2003	Master's Final Member/Adv
Jerry,Heather	Biostat	MS	Aug 2013	Advisor
Li,Lin	Biostat	MS	Aug 2003	Master's Final Chair/Adv
Li,Lingzhi	Biostat	MS	Sep 2011	Master's Final Chair/Adv
Li,Ruifeng	Biostat	MS	Nov 2001	Master's Final Member/Adv
Lin,E	Biostat	MS	Oct 2003	Master's Final Member
Liu,Chengcheng	Biostat	MS	Jul 2004	Master's Final Member
Liu,Xiao	Biostat	MS	Jul 2008	Master's Final Member
Lu,Haolan	Biostat	MS	Jul 2002	Master's Final Member
Luo,Liyong	Biostat	MS	Nov 2011	Master's Final Member
Monteith,Melissa	Biostat	MS	inactive	Advisor
O'Keefe,Lauren	Biostat	MS	Aug 2015	Advisor
Pruett,Khadeeja Mohamed	Biostat	MS	Mar 2003	Master's Final Member
Qi,Dongfeng	Biostat	MS	Jul 2003	Master's Final Chair/Adv
Schivitz,Elizabeth	Biostat	MS	Dec 2002	Master's Final Chair/Adv
Wang,Fan	Biostat	MS	Jul 2014	Advisor
Xie,Benhuai	Biostat	MS	Nov 2007	Master's Final Chair/Adv
Xu,Lan	Biostat	MS	Jun 2000	Master's Final Chair/Adv
Zabor,Emily Craig	Biostat	MS	Jul 2010	Master's Final Chair/Adv
Zhao,Luping	Biostat	MS	Aug 2005	Master's Final Member
Zhu,Yanrong	Biostat	MS	Jul 2014	Advisor

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Academic Non-Thesis Advising and Student Committees Served On**Biostatistics Doctoral Students**

Advisee	Degree program	Degree	Date of completion	Role
Austin, Erin	Biostat	PhD	Jun 2014	Advisor
Bose, Maitreyee	Biostat	PhD		PhD Prelim Member
Groth, Carolyn	Biostat	PhD	Jul 2017	PhD Final Member
Guo, Jia	Biostat	PhD	Oct 2006	PhD Prelim Member PhD Final Member
Hart, Brian	Biostat	PhD		PhD Prelim Member
			May 2019	PhD Final Member
Hullsiek, Katherine Huppler	Biostat	PhD	Oct 1999	PhD Prelim Member PhD Final Member
Jin, Jin	Biostat	PhD	Jun 2019	PhD final Member
Kim, Junghi	Biostat	PhD	Apr 2016	PhD prelim Member PhD final Member
Lyu, Tianmeng	Biostat	PhD	Feb 2017	PhD prelim Member
Modak, Sanjukta	Biostat	PhD	inactive	Advisor
Mugglin, Andrew S	Biostat	PhD	Feb 1999	PhD Final Member
Ren, Qian	Biostat	PhD	Aug 2012	PhD Prelim Member PhD Final Chair/Reader
Short, Margaret B	Biostat	PhD	Oct 2003	PhD Prelim Member PhD Final Reader
Zhao, Xiaoyue	Biostat	PhD	Jul 2017	PhD Prelim Member PhD Final Reader
Zhu, Li	Biostat	PhD	Aug 2000	PhD Prelim Member PhD Final Member

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Academic Non-Thesis Advising and Student Committees Served On**Masters and Doctoral Students in Other Fields**

Advisee	Degree program	Degree	Date of completion	Role
Ariza-Nieto,Claudia Janeth	Ani Sci	PhD	Jan 2006	PhD Prelim Member
Ariza-Nieto,Claudia Janeth	Ani Sci	PhD	Jan 2006	PhD Final Reader
Konishi,Meng	Appl Econ	MS	Aug 2006	Master's Final Member
Mahan,Margaret	BICB	PhD	Apr 2019	PhD Final Member
Chow,Lisa	Clin Rsrch	MS	Oct 2011	Master's Final Member
Weivoda,Star	Comm Hlth Prom	MPH	Jul 2010	Master's Final Member
Smith,Daniel J	Compt Sci	MS	Jun 2006	Master's Final Member
Murray,Carson M	Ecol	PhD	Jul 2006	PhD Prelim Member
Murray,Carson M	Ecol	PhD	Jul 2006	PhD Final Reader
Bailey,Andrea	EEB	PhD	Dec 2015	PhD Prelim Member PhD Final Chair
Lonsdorf,Elizabeth Vinson	EEB	PhD	Jun 2003	PhD Final Reader
Macnulty,Daniel Robert	EEB	PhD	Jun 2007	PhD Prelim Member
Macnulty,Daniel Robert	EEB	PhD	Jun 2007	PhD Final Reader
Wroblewski,Emily E	EEB	PhD	Mar 2010	PhD Prelim Member
Wroblewski,Emily E	EEB	PhD	Mar 2010	PhD Final Reader
Forte,Kristin A	Env Hlth	MS	Jun 1999	Master's Final Member
Grice,Mira Michelle	Env Hlth	PhD	Jul 2007	PhD Prelim Member
Grice,Mira Michelle	Env Hlth	PhD	Jul 2007	PhD Final Reader
Kukowski,Anne Elizabet	Env Hlth	MS	Jun 1998	Master's Final Member
Park, Ji Young	Env Hlth	PhD	Aug 2009	PhD Prelim Member
Blair,Cynthia Kay	Epidemiol	PhD	May 2011	PhD Prelim Member
Blair,Cynthia Kay	Epidemiol	PhD	May 2011	PhD Final Reader
Chamberlain,Alanna	Epidemiol	PhD	Nov 2009	PhD Prelim Member
Chamberlain,Alanna	Epidemiol	PhD	Nov 2009	PhD Final Chair/Reader
Graham,Erin	Epidemiol	MPH	May 2002	Master's Final Member
Rapson,Ian	Epidemiol	MPH	Apr 2015	Master's Final Member
Sinner,Penny	Epidemiol	MPH	Sep 2005	Master's Final Member
Butler,Mary E	HlthSrvRPA	PhD	Mar 2007	PhD Prelim Member
Butler,Mary E	HlthSrvRPA	PhD	Mar 2007	PhD Final Reader
Ghomrawi,Hassan	HlthSrvRPA	PhD	Dec 2007	PhD Prelim Member
Nelson,Winnie Wai-Han	HlthSrvRPA	MS	Aug 2003	Master's Final Member
Nitz,Nicole M	HlthSrvRPA	PhD	Jun 2005	PhD Prelim Member
Nitz,Nicole M	HlthSrvRPA	PhD	Jun 2005	PhD Final Reader
Wang,Jye	HlthSrvRPA	PhD	Apr 2007	PhD Prelim Member
Wang,Jye	HlthSrvRPA	PhD	Apr 2007	PhD Final Reader
Barin,Burc	Math	MS	Jul 2003	Master's Final Member

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Advisee	Degree program	Degree	Date of completion	Role
Cheong, Ian	Neuroscience	PhD	Jun 2018	PhD Prelim Member PhD Final Member
Lamba, Manisha	S,A,C Phar	PhD	Sep 2008	PhD Prelim Member
Lamba, Manisha	S,A,C Phar	PhD	Sep 2008	PhD Final Reader
Salem, Ahmed Hamed Ahmed	S,A,C Phar	PhD	Jun 2010	PhD Prelim Member
Salem, Ahmed Hamed Ahmed	S,A,C Phar	PhD	Jun 2010	PhD Final Chair/Reader
Afleje, William D	Stat	MS	Jul 2006	Master's Final Member
Basak, Nandita	Stat	MS	Aug 2006	Master's Final Member
Baines Simon, Alicia	Stat	MS	June 2005	Master's Final Member
Borba de Andrade, Bernardo	Stat	MS	Sep 2004	Master's Final Member
Borba de Andrade, Bernardo	Stat	PhD	Jul 2007	PhD Prelim Member
Chiang, Chee-Wai	Stat	MS	Aug 2001	Master's Final Member
Dobbin, Kevin K	Stat	PhD	May 2001	PhD Prelim Member
Dobbin, Kevin K	Stat	PhD	May 2001	PhD Final Reader
Kivilaid, Kaisa	Stat	MS	Oct 2005	Master's Final Member
Neath, Ronald Charles	Stat	PhD	Aug 2006	PhD Prelim Member
Nienow, Aaron Kyle	Stat	MS	Jul 2006	Master's Final Member
Oehlert, Christine	Stat	MS	Sep 2011	Master's Final Member
Pham, Luu Duc	Stat	MS	Oct 2004	Master's Final Member
Pshon, Nicole Jean	Stat	MS	Aug 2005	Master's Final Member
Sartorius, Jennifer Alicia	Stat	MS	Jun 2004	Master's Final Member
Macnulty, Daniel Robsert	Wild Cnsrv	MS	May 2002	MS Final Member
Gilby, Ian C	Zool	PhD	Nov 2004	PhD Final Reader

Other Mentoring

Biostatistics Faculty Mentoring

Ashley Peterson, PhD, Assistant Professor, Division of Biostatistics, University of Minnesota

Ann Brearley, PhD, Assistant Professor, Division of Biostatistics, University of Minnesota

Mark Fiecas, PhD, Assistant Professor, Division of Biostatistics, University of Minnesota

Joseph Koopmeiners, PhD, Associate Professor, Division of Biostatistics, University of Minnesota (also mentored while Assistant Professor)

Laura Le, PhD, Instructor, Division of Biostatistics, University of Minnesota

Yen-Yi Ho, PhD, Assistant Professor, Division of Biostatistics, University of Minnesota (now at University of South Carolina)

Dipankar Bandyopadhyay, Associate Professor, Division of Biostatistics, University of Minnesota (now at Virginia Commonwealth University)

SERVICE

Journal Reviewer Service

Manuscript reviewer: American Journal of Epidemiology, Archives of Gerontology and Geriatrics, American Statistician, Bayesian Analysis, Biometrical Journal, Biometrics, BMC Cancer, Circulation, Clinical Trials: Journal of the Society for Clinical Trials, Contemporary Physics, Controlled Clinical Trials, Critical Care Medicine, Journal of Biopharmaceutical Statistics, Journal of Computational and Graphical Statistics, Journal of the American Statistical Association, Journal of the Royal Statistical Society - Series C, International Journal of Epidemiology, Lifetime Data Analysis, Mathematical Biosciences, Psychometrika, Spatial Statistics, Statistical Science, Statistics in Medicine

Book reviewer: Chapman & Hall/CRC Press, John Wiley & Sons, Prentice Hall, Springer-Verlag

Grant Reviewer Service

- * Reviewer on the NIH (NINDS) Acute Neural Injury and Epilepsy Study Section, October 2019
- * Reviewer on a Statistics Panel, National Science Foundation
- * Reviewer on the NIH (NINDS) Special Emphasis Panel “NST-1 Subcommittee” (K23 applications), October 2016

Invited Member, Statistical Review Group for Medical Imaging Biomarker Studies, Cancer UK, May 2013 – April 2016

Reviewer on the joint CDC and NIH (NIDDK) Special Emphasis Panel “Population-Based Diabetes in Youth Registry,” April 2015.

Reviewer for the University of Wisconsin Institute for Clinical and Translational Research T1 Novel Methods Research Pilot Awards, Feb 2013.

Reviewer for the University of Minnesota Clinical and Translational Science Institute Research Services Pilot Awards, Sept 2013.

Reviewer for the Hong Kong Research Grants Council, May 2004.

Reviewer on the NIH (NIAID) Special Emphasis Panel “Immune System Development and the Genesis of Asthma,” April 2004.

Reviewer on the NIH (NINDS) Special Emphasis Panel “NeuroAIDS Studies,” August 2002, April 2003.

Committees and Boards

- * Elected Member, Regional Executive Committee (RECOM) for the Eastern North American Region of the International Biometrics Society, Jan 2019 – Present.

Inaugural Chair, Eastern North American Region (ENAR) Webinar Committee, International Biometrics Society, Mar 2014 – Dec 2015.

Invited Member, Regional Advisory Board (RAB) for the Eastern North American Region of the International Biometrics Society, Jan 2013 – Dec 2015.

Invited Member, Advisory Board for the Medical Follow-up Agency (MFUA), Institute of Medicine, National Academy of Sciences, June 2003–December 2008.

Elected Representative to the Council of Chapters for the Twin Cities Chapter of the American Statistical Association, January 2002–December 2004.

Service for Conferences

- * Invited Member, Educational Advisory Committee, 2020 Eastern North American Spring Meetings of the International Biometric Society, 22-25 March 2020, Nashville, TN.
- * Invited Member, Local Organizing Committee, 2017 Workshop on Statistics and Neuroscience, Institute for Research in Statistics and its Applications, School of Statistics, University of Minnesota.
- * Session Organizer, “Advances in Neuroimaging,” Invited Session, 28th International Biometrics Conference, 10-16 July 2016, Victoria, BC, Canada.

Session Chair and Panel Moderator, “Teaching Clinical Trials to Non-Statisticians,” Topic Contributed Session, 2013 Joint Statistical Meetings, August 3-8, Montreal, Canada.

Abstract Reviewer, Congress of Epidemiology 2011.

Session Chair, “Statistical Analysis of Brain Imaging Data,” Invited Session, 2010 Eastern North American Region Spring Meetings of the International Biometric Society, March 21-24, New Orleans, LA.

Session Organizer, “Diffusion Tensor Imaging in the Brain,” Topic Contributed Session, 2009 Joint Statistical Meetings, August 2-6, Washington, DC.

Session Chair, “Functional and Structural Neuro-Imaging Data: Modeling and Inference,” Invited Session, 2007 Eastern North American Region Spring Meetings of the International Biometric Society, March 11-14, Atlanta, GA.

Session Chair, “Bayesian Methods in Time Series,” Joint Statistical Meetings, August 3-7 2003, San Francisco, CA.

Session Chair, “Survival Analysis and Clinical Trials,” 2003 Eastern North American Region Spring Meetings of the International Biometric Society, March 30 - 2 April 2003, Tampa, FL.

Session Chair, “Bayesian Approaches to Repeated Measures,” Joint Statistical Meetings, August 5-9 2001, Atlanta, GA.

Session Chair, “Bayesian Non-parametrics,” Joint Statistical Meetings, August 8-12 1999, Baltimore, MD.

Session Chair, “Monte Carlo Markov: New Directions,” Joint Statistical Meetings, August 10-14 1997, Anaheim, CA.

Session Chair, “Growth Models and Curve Fitting,” Joint Statistical Meetings, August 4-8 1996, Chicago, IL.

Service to the University of Minnesota

University of Minnesota committees

- * CTSI Mentor Awards Committee, Sept 2016, Sept 2019

School of Public Health Committees and Teams

- * Mental Health Advocate, September 2019–Present.
- * Equity and Diversity Inclusion Team (EDIT), September 2018–Present.
- * Biostatistics Division Head Search Committee, **Co-Chair**, March 2018–November 2018.
- * Appointment, Promotion, and Tenure Committee, Sept 2016–Present.
- * Appointment, Promotion, and Tenure Committee, **Chair**, Sept 2017–Present.
- Gender Equity Pay Adjustment Committee (GEPAC), August 2012 – February 2013.
- Faculty Consultative Committee, September 2007–June 2009, **Chair** July 2009– June 2010.
- Education Policy Committee, February 2005–July 2006, September 2007–December 2008.
- Futures Committee, March 2005–May 2005.
- Biostatistics Division Head Search Committees, September 1998–May 1998, August 2001–May 2002, September 2008–May 2009.
- Recognition, Honors, and Awards Committee, September 2002–August 2003.
- Space Consolidation Committee, June 2002–August 2002.
- Environmental and Occupational Health Statistics Research Fellow Search Committee, January 2000–March 2000.
- Appointment, Promotion, and Tenure Ad Hoc Committee, March 1998–June 1998.

Committees for Centers and Institutes

- * Institute for Research in Statistics and its Applications, School of Statistics, Leadership Council and Advisory Board, November 2018–Present.
- * Center on Aging, School of Public Health, Executive Committee, Sept 2019–Present.

Division of Biostatistics Committees

- * ABC/MS/MPH Graduate Admissions Committee, **Chair**, Sept 2019–Present.
- * Executive Committee, Jan 2019–Present.
- * Student Awards Committee, **Chair**, Sept 2018–Aug 2019.
- Graduate Admissions Committee, August 2011–July 2012, **Chair** August 2012–July 2015.

Interim **Director of Graduate Studies**, and *ex officio* member of the Student Awards Committee, March–July 2015.

Faculty Search Committee, **Chair**, October 2013–April 2014.

Services Courses Teaching Development Group, March 2012 – present.

MPH Major Chair, February 2005–July 2006, September 2007–December 2008.

Curriculum Committee, August 1997–August 1999, **Chair** September 2000–July 2006, **Chair** September 2007–December 2008.

Student Recruiting Committee, August 1997–July 1998, **Chair** August 1998–July 2006.

Search Committee for Director of BDAC and Research Associate, May 2006–June 2006.

Search Committee for Instructor, October 2004–April 2005.

Search Committee for Bioinformatics faculty, March 2004–May 2004.

Web Advisory Committee, August 1999–August 2000.

Curriculum MS Core Courses (ex officio) Subcommittee, March 2000–June 2000.

Research Management Committee, August 1998–August 1999.

Computing Room Committee (Mayo), August 1997–July 1998, **Chair** August 1999–August 2000.

CPCRA Research Associate Search Committee, December 1997–April 1998.

Faculty and Post-doc Search Committee, December 1997–April 1998.

Committees in Other Divisions

Environmental and Occupational Health, Statistics Research Fellow Search Committee, January 2000–March 2000.