AARON WOLFE SCHEFFLER

Department of Epidemiology & Biostatistics
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Education

2019	Biostatistics, University of California, Los Angeles	Ph.D.
2015	Biostatistics, University of California, Los Angeles	M.S.
2011	Biochemistry, Columbia University	B.A.

Employment

Current

2021-present	Faculty Member, Computational Precision Health, UCSF & UC Berkeley
2019-present	Faculty Member, Bakar Computational Health Sciences Insitute, UCSF
2019-present	Faculty Member, Center of Intelligent Imaging, UCSF
2019-present	Assistant Professor, Department of Epidemiology & Biostatistics, UCSF

Previous

2015-2019	Graduate Student Researcher, Department of Biostatistics, UCLA
2014-2016	Graduate Student Researcher, Semel Institute, UCLA
2011-2013	Researcher, Healthy Communities Institute, Berkeley, CA

Research Interests

Functional Data Analyais; Bayesian Data Analysis; High-Dimensional Structured Data

Research Publications

Published: methodology

[1] Gutierrez, R., **Scheffler**, A. W., & Guhaniyogi, R. (2024). "A bayesian covariance based clustering for high-dimensional tensors." *Technometrics (accepted)*.

[2] Jin, H., Kim, M.-O., **Scheffler**, A. W., & Jiang, F. (2023). "Bayesian adaptive design for covariate-adaptive historical control information borrowing." *Statistics in Medicine*, *42*(29), 5338–5352.

[3] Campos, E., Wolfe **Scheffler**, A. W., Telesca, D., Sugar, C., DiStefano, C., Jeste, S., Levin, A. R., Naples, A., Webb, S. J., Shic, F., et al. (2022). "Multilevel hybrid principal components analysis for region-referenced functional electroencephalography data." *Statistics in Medicine*, *41*(19), 3737–3757.

[4] **Scheffler**, A. W. W., Dickinson, A., DiStefano, C., Jeste, S., & Şentürk, D. (2022). "Covariate-adjusted hybrid principal components analysis for region-referenced functional eeg data." *Statistics and its interface*, *15*(2), 209.

[5] **Scheffler**, A. W., Telesca, D., Li, Q., Sugar, C. A., Distefano, C., Jeste, S., & Şentürk, D. (2020). "Hybrid principal components analysis for region-referenced longitudinal functional eeg data." *Biostatistics*, *21*(1), 139–157.

Updated: July 1, 2024

[6] **Scheffler**, A. W. W., Telesca, D., Sugar, C. A., Jeste, S., Dickinson, A., DiStefano, C., & Şentürk, D. (2019). "Covariate-adjusted region-referenced generalized functional linear model for eeg data." *Statistics in medicine*, *38*(30), 5587–5602.

[7] **Scheffler**, A. W., Hasenstab, K., Telesca, D., Sugar, C. A., Jeste, S., DiStefano, C., & Şentürk, D. (2017). "A multi-dimensional functional principal components analysis of eeg data." *Biometrics*, *73*(3), 999–1009.

Submitted or working: methodology

[1] Guhaniyogi, R., & **Scheffler**, A. W. (2024). "Sketching in bayesian high dimensional regression with big data using gaussian scale mixture priors." *arXiv preprint arXiv:2105.04795*.

[2] Gutierrez, R., Guhaniyogi, R., & **Scheffler**, A. W. (2024). "Regression with structured features at multiple scales to the study of general cognition in children."

[3] Gutierrez, R., **Scheffler**, A. W., & Guhaniyogi, R. (2024). "Bayesian multi-object data integration in the study of primary progressive aphasia."

[4] Lei, B., Guhaniyogi, R., Chandra, K., **Scheffler**, A. W., & Mallick, B. (2024). "Inva: Integrative variational autoencoder for harmonization of multi-modal neuroimaging data." *arXiv preprint arXiv:2402.02734*.

[5] **Scheffler**, A. W. (2024). "A bayesian latent factor model for curve alignment and covariate-dependent smoothing with application to disease progression modeling."

Published: collaborative

[1] Addante, A., Raymond, W., Gitlin, I., Charbit, A., Orain, X., **Scheffler**, A. W. W., Kuppe, A., Duerr, J., Daniltchenko, M., Drescher, M., et al. (2023). "A novel thiol-saccharide mucolytic for the treatment of muco-obstructive lung diseases." *European Respiratory Journal*, *61*(5).

[2] Calabrese, E., Wu, Y., **Scheffler**, A. W. W., Wisnowski, J. L., McKinstry, R. C., Mathur, A., Glass, H. C., Comstock, B. A., Heagerty, P. J., Gillon, S., et al. (2023). "Correlating quantitative mri-based apparent diffusion coefficient metrics with 24-month neurodevelopmental outcomes in neonates from the heal trial." *Radiology*, *308*(3), e223262.

[3] Cornet, M.-C., Kuzniewicz, M., **Scheffler**, A. W., Forquer, H., Hamilton, E., Newman, T. B., & Wu, Y. W. (2023). "Perinatal hypoxic-ischemic encephalopathy: Incidence over time within a modern us birth cohort." *Pediatric Neurology*, *149*, 145–150.

[4] Cornet, M.-C., Wu, Y. W., Forquer, H., Avalos, L. A., Sriram, A., **Scheffler**, A. W. W., Newman, T. B., & Kuzniewicz, M. W. (2023). "Maternal treatment with selective serotonin reuptake inhibitors during pregnancy and delayed neonatal adaptation: A population-based cohort study." *Archives of Disease in Childhood-Fetal and Neonatal Edition*.

[5] Gibson, D., Ravi, A., Rodriguez, E., Chang, S., Oberheim Bush, N., Taylor, J., Clarke, J., Solomon, D., **Scheffler**, A. W., Witte, J., et al. (2023). "Quantitative analysis of mgmt promoter methylation in glioblastoma suggests nonlinear prognostic effect." *Neuro-Oncology Advances*, *5*(1), vdad115.

[6] Kane, J. C., Allen, I., Fatch, R., **Scheffler**, A. W., Emenyonu, N., Puryear, S. B., Chirayil, P., So-Armah, K., Kahler, C. W., Magidson, J. F., et al. (2023). "Efficacy of alcohol reduction interventions among people with hiv as evaluated by self-report and a phosphatidylethanol (peth) outcome: Protocol for a systematic review and individual participant data meta-analysis." *BMJ open*, *13*(6), e070713.

[7] Li, Y., **Scheffler**, A. W., Barkovich, A. J., Chang, T., Chu, C. J., Massey, S. L., Abend, N. S., Lemmon, M. E., Thomas, C., Numis, A., et al. (2023). "Neonatal brain mri and short-term outcomes after acute provoked seizures." *Journal of Perinatology*, *43*(11), 1392–1397.

[8] Mandelli, M. L., Lorca-Puls, D. L., Lukic, S., Montembeault, M., Gajardo-Vidal, A., Licata, A., **Scheffler**, A. W., Battistella, G., Grasso, S. M., Bogley, R., et al. (2023). "Network anatomy in logopenic variant of primary progressive aphasia." *Human Brain Mapping*.

[9] Wilson, L., Zheng, P., Ionova, Y., Denham, A., Yoo, C., Ma, Y., Greco, C. M., Hanmer, J., Williams, D. A., Hassett, A. L., et al. (2023). "Caper: Patient preferences to inform non-surgical treatment of chronic low back pain: A discrete-choice experiment." *Pain Medicine*, pnad038.

[10] Bailey, J. F., Nyayapati, P., Johnson, G. T., Dziesinski, L., **Scheffler**, A. W. W., Crawford, R., Scheuring, R., O'Neill, C. W., Chang, D., Hargens, A. R., et al. (2022). "Biomechanical changes in the lumbar spine following spaceflight and factors associated with postspaceflight disc herniation." *The Spine Journal*, *22*(2), 197–206.

[11] Cornet, M., Forquer, H., Scheffler, A., Yeaton-Massey, A., Newman, T., Kuzniewicz, M., & Wu, Y. (2022). "Neonatal encephalopathy following selective serotonin reuptake inhibitor exposure in the third trimester of pregnancy: A population-based study." *JOURNAL OF INVESTIGATIVE MEDICINE*, *70*(1), 168–168.

[12] Cornet, M., Kuzniewicz, M., Forquer, H., Hamilton, E., Newman, T., Scheffler, A., Murtha, A., & Wu, Y. (2022). "Neonatal encephalopathy treated with therapeutic hypothermia: Is absence of cord blood acidosis a marker for causes other than hypoxic-ischemic encephalopathy (hie)?" *ANNALS OF NEUROLOGY*, *92*, S133–S133.

[13] Cummins, D. D., Callahan, M., **Scheffler**, A. W., & Theologis, A. A. (2022). "5-year revision rates after elective multilevel lumbar/thoracolumbar instrumented fusions in older patients: An analysis of state databases." *Journal of the American Academy of Orthopaedic Surgeons*, *30*(10), 476–483.

[14] Halvorson, R. T., Castillo, F. T., Ahamed, F., Khattab, K., **Scheffler**, A. W., Matthew, R. P., Lotz, J., Vail, T. P., Feeley, B. T., & Bailey, J. F. (2022). "Point-of-care motion capture and biomechanical assessment improve clinical utility of dynamic balance testing for lower extremity osteoarthritis." *PLOS Digital Health*, *1*(7), e0000068.

[15] Li, Y., Wisnowski, J. L., Chalak, L., Mathur, A. M., McKinstry, R. C., Licona, G., Mayock, D. E., Chang, T., Van Meurs, K. P., Wu, T.-W., et al. (2022). "Mild hypoxic-ischemic encephalopathy (hie): Timing and pattern of mri brain injury." *Pediatric research*, *92*(6), 1731–1736.

[16] Peluso, M. J., Kelly, J. D., Lu, S., Goldberg, S. A., Davidson, M. C., Mathur, S., Durstenfeld, M. S., Spinelli, M. A., Hoh, R., Tai, V., et al. (2022). "Persistence, magnitude, and patterns of postacute symptoms and quality of life following onset of sars-cov-2 infection: Cohort description and approaches for measurement." *Open forum infectious diseases*, *9*(2), ofab640.

[17] Weidhaas, J., Marco, N., **Scheffler**, A. W. W., Kalbasi, A., Wilenius, K., Rietdorf, E., Gill, J., Heilig, M., Desler, C., Chin, R. K., et al. (2022). "Germline biomarkers predict toxicity to anti-pd1/pdl1 checkpoint therapy." *Journal for immunotherapy of cancer*, *10*(2).

[18] Bach, A. M., Fang, A. Y., Bonifacio, S., Rogers, E. E., **Scheffler**, A. W., Partridge, J. C., Xu, D., Barkovich, A. J., Ferriero, D. M., Glass, H. C., et al. (2021). "Early magnetic resonance imaging predicts 30-month outcomes after therapeutic hypothermia for neonatal encephalopathy." *The Journal of Pediatrics*, *238*, 94–101.

[19] Cornet, M., Forquer, H., Scheffler, A., Yeaton-Massey, A., Newman, T., Kuzniewicz, M., & Wu, Y. (2021). "Neonatal encephalopathy following ssri exposure in the third trimester of pregnancy: A population-based study." *ANNALS OF NEUROLOGY*, *90*, S30–S31.

[20] Gibson, D., Ravi, A., Rodriguez, E., Chang, S., Bush, N., Taylor, J., Clarke, J., Solomon, D., **Scheffler**, A. W., Witte, J., et al. (2021). "Ngma-6. quantitative mgmt promoter methylation index indicates non-linear, prognostic effect in glioblastoma." *Neuro-Oncology Advances*, *3*(Supplement_2), ii5–ii5.

[21] Jordan, K. M., Lauricella, M., Licata, A. E., Sacco, S., Asteggiano, C., Wang, C., Sudarsan, S. P., Watson, C., **Scheffler**, A. W. W., Battistella, G., et al. (2021). "Cortically constrained shape recognition: Automated white matter tract segmentation validated in the pediatric brain." *Journal of Neuroimaging*, *31*(4), 758–772.

[22] Tran, X. A., McDonald, N., Dickinson, A., **Scheffler**, A. W., Frohlich, J., Marin, A., Kure Liu, C., Nosco, E., Şentürk, D., Dapretto, M., et al. (2021). "Functional connectivity during language processing in 3-month-old infants at familial risk for autism spectrum disorder." *European Journal of Neuroscience*, *53*(5), 1621–1637.

[23] Levin, A. R., Naples, A. J., **Scheffler**, A. W. W., Webb, S. J., Shic, F., Sugar, C. A., Murias, M., Bernier, R. A., Chawarska, K., Dawson, G., et al. (2020). "Day-to-day test-retest reliability of eeg profiles in children with autism spectrum disorder and typical development." *Frontiers in integrative neuroscience*, *14*, 21.

[24] McDonald, N. M., Senturk, D., **Scheffler**, A. W., Brian, J. A., Carver, L. J., Charman, T., Chawarska, K., Curtin, S., Hertz-Piccioto, I., Jones, E. J., et al. (2020). "Developmental trajectories of infants with multiplex family risk for autism: A baby siblings research consortium study." *JAMA neurology*, *77*(1), 73–81.

[25] Saravanapandian, V., Frohlich, J., Hipp, J. F., Hyde, C., **Scheffler**, A. W. W., Golshani, P., Cook, E. H., Reiter, L. T., Senturk, D., & Jeste, S. S. (2020). "Properties of beta oscillations in dup15q syndrome." *Journal of Neurodevelopmental Disorders*, *12*(1), 1–15.

[26] Swendeman, D., Fehrenbacher, A. E., Roy, S., Ray, P., Sumstine, S., **Scheffler**, A. W., Das, R., & Jana, S. (2020). "A pilot randomized controlled trial (rct) of daily versus weekly interactive voice response calls to support adherence among antiretroviral treatment patients in india." *Mhealth*, *6*.

[27] Levin, A. R., Naples, A. J., **Scheffler**, A. W. W., Webb, S. J., Shic, F., Sugar, C. A., Murias, M., Bernier, R. A., Chawarska, K., Dawson, G., et al. (2019). "Within visit test-retest reliability of eeg profiles in children with autism spectrum disorder and typical development." *bioRxiv*, 834697.

[28] Dickinson, A., DiStefano, C., Lin, Y.-Y., **Scheffler**, A. W. W., Senturk, D., & Jeste, S. S. (2018). "Interhemispheric alpha-band hypoconnectivity in children with autism spectrum disorder." *Behavioural brain research*, *348*, 227–234.

[29] Rotheram-Fuller, E. J., Tomlinson, M., **Scheffler**, A. W., Weichle, T. W., Hayati Rezvan, P., Comulada, W. S., & Rotheram-Borus, M. J. (2018). "Maternal patterns of antenatal and postnatal depressed mood and the impact on child health at 3-years postpartum." *Journal of consulting and clinical psychology*, *86*(3), 218.

[30] Arnold, E. M., Desmond, K. A., Rotheram-Borus, M. J., **Scheffler**, A. W., Comulada, W. S., Johnson, M. O., Kelly, J. A., & Group, H. L. P. (2017). "Drug use and emotional distress differentiate unstably-versus stably-housed adults living with hiv who engage in unprotected sex." *Journal of health psychology*, *22*(3), 302–313.

[31] Rotheram-Borus, M. J., Tomlinson, M., **Scheffler**, A. W., Harris, D. M., & Nelson, S. (2017). "Adjustment of a population of south african children of mothers living with/and without hiv through three years post-birth." *AIDS and Behavior*, *21*, 1601–1610.

[32] Tomlinson, M., Rotheram-Borus, M., Scheffler, A., & Le Roux, I. (2017). "Antenatal depressed mood and child cognitive and physical growth at 18-months in south africa: A cluster randomised controlled trial of home visiting by community health workers." *Epidemiology and psychiatric sciences*, 1–10.

[33] Tomlinson, M., Rotheram-Borus, M. J., Le Roux, I. M., Youssef, M., Nelson, S. H., **Scheffler**, A. W., Weiss, R. E., O'Connor, M., & Worthman, C. M. (2016). "Thirty-six-month outcomes of

a generalist paraprofessional perinatal home visiting intervention in south africa on maternal health and child health and development." *Prevention Science*, *17*(8), 937–948.

[34] Rotheram-Borus, M. J., Tomlinson, M., **Scheffler**, A. W., & Le Roux, I. M. (2015). "Re-engagement in hiv care among mothers living with hiv in south africa over 36 months post-birth." *AIDS (London, England)*, *29*(17), 2361.

[35] Swendeman, D., Ramanathan, N., Baetscher, L., Medich, M., **Scheffler**, A. W., Comulada, W. S., & Estrin, D. (2015). "Smartphone self-monitoring to support self-management among people living with hiv: Perceived benefits and theory of change from a mixed-methods, randomized pilot study." *Journal of acquired immune deficiency syndromes (1999)*, *69*(0 1), S80.

Book chapters

[1] Senturk, D., & **Scheffler**, A. W. (2023). "Modeling longitudinal trends in event-related potentials."

Teaching

UCSF | **Department of Epidemiology & Biostatistics**

2023 - present — BIOSTAT 208: *Biostatistical Methods for Clinical Research II*
Course Director and Lecturer
This is a second course in biostatistics, focusing on multi-predictor variable methods, including multiple linear and multiple logistic regression. Emphasis is on the practical and proper use of statistical methodology and its interpretation.

UCSF | **School of Medicine**

2020 - present — Core Inquiry Curriculum 121A-C: *Epidemiology, Biostatistics, and Population Sciences (EBPS) Curriculum*
Lecturer
EBPS compromises tools that all Domains of Understanding rely upon, allowing for the interpretation of data and for researchers and clinicians to test hypotheses of complex questions.
Evaluation* (0-5), mean (sd):
2022, 121A 4.0 (0.89)
2021, 121A 4.33 (0.87); 121B 3.98 (0.82); 121C 4.31 (0.64)
2020, 121B 3.95 (0.79)

UCSF | **Department of Epidemiology & Biostatistics**

2019 - 2023 BIOSTAT 202: *Opportunities and Challenges of Complex Biomedical Data*
Course Director and Lecturer
This course introduces the opportunities and challenges of using biological and health-related ”big data” to perform biomedical research.
Evaluation* (0-5), mean (sd):
2023, 4.97 (0.18)
2022, 4.65 (0.63)
2021, 4.95 (0.22)
2020 4.93 (0.26)
2019, 4.85 (0.37)

*Evaluations presented when available.

Students and Advisement

Masters Committee Member:
David Gibson (2021, currently PhD student in Bioinformatics at UCLA)
Albert Young (2021, currently MD student at UCSF)
Jack Taylor (2022, currently PhD student in Epidemiology at UCSF)
Jamie Lee (current)
Jackie Desjardin (current)
Zi Li (current)
Simran Kanal (current)
Kirithiga Ramalingam (current)
Junxiao Gao (current)
Hannah Decker (current)

PhD Committee Member:
Eduardo Rodgriguez (current)
Carrie Chan (current)

Grants

Ongoing: PI/MPI

R01 (**MPI: Scheffler**) 12/01/2023 – 11/30/2028
NIH/NINDS $1,961,566
Title: Bayesian Object-Oriented Modeling of Multi-Modal Imaging Data
Clinical researchers collect brain images from multiple modalities to enhance diagnosis and treatment of neurodegenerative disorders (NDs), yet their impact is constrained due to a lack statistical methods that model information both within and across images. This proposal develops a new Bayesian framework to address the theoretical and computational challenges of jointly modeling structural and network brain images, exploiting their linkage to advance the study of ND. The goal is to provide imaging statisticians and practitioners with a set of inferential tools that harness the potential of existing multimodal imaging data to improve the study of cognitive theory, disease progression, and biomarker development.

Role: Principal Investigator

DMS - 2210206 (**PI: Scheffler**) 06/01/2022-05/30/2025
NSF $110,000
Title: Collaborative Research: Use of Random Compression Matrices For Scalable Inference in High Dimensional Structured Regressions
The two important aspects of modern statistical learning approaches in the era of complex and high dimensional data are accuracy and scale in inference. To offer a general solution for this challenge, we propose approaches based on data compression using a small number of random linear transformations. Our approach either reduces large number of records corresponding to each variable using compression in which case it maintains feature interpretation for adequate inference, or, it reduces dimension of covariate vector for each sample using compression in which case the focus is only on prediction of the response. In either case, data compression facilitates drawing storage efficient, scalable and accurate Bayesian inference/prediction in presence of high dimensional data with sufficiently rich parametric/nonparametric regression models.
Role: Principal Investigator

Ongoing: Co-I

U19 (Lotz) 09/25/2019-08/30/2024
NIH/NIA $29,408,845
Title: UCSF Core Center for Patient-centric Mechanistic Phenotyping in Chronic Low Back Pain
Role: Co-Investigator

R01 (Wu) 05/01/2020-04/30/2025
NIH/NICHD $2,872,187
Title: Maternal Antecedents and Electronic Fetal Monitoring in Term Asphyxia
Role: Co-Investigator

R01 (Peyvandi) 07/01/2021 – 06/30/2026
NIH $1,838,163
Title: The Risk of Acquired Neonatal Significant Brain Injury during Perinatal Transition in Congenital Heart Disease: TRANSIT CHD study
Role: Co-Investigator

R01 (Lee) 09/01/2021 – 08/31/2026
NIH/CSR $500,395
Title: Neurodevelopment in children from families with genetic frontotemporal dementia and Alzheimer's disease Role: Co-Investigator

R01 (Hahn) 05/2022 – 02/2025
NIH/NIAAA $1,814,900
Title: The Biomarkers for Alcohol/HIV Research (BAHR) Study
Role: Co-Investigator

R01 (Gorno-Tempini) 09/19/2022 – 08/31/2025
NIH/CSR $4,705,247
Title: Primary Progressive Aphasia: Cognition, Anatomy and Progression
Role: Co-Investigator

R01 (Bailey) 09/01/2023 – 08/31/2028
NIH/CSR $2,422,501
Title: Predicting long-term patient-specific treatment response trajectories for musculoskeletal pain from multidimensional biopsychosocial algorithms
Role: Co-Investigator

R01 (Bauer) 09/19/2022 - 08/31/2027
NIH/NIAMS $5,223,866
Title: : Pooling International Cohort Studies of Long-Term Bisphosphonate Use and Atypical Femur Fractures
Role: Co-Investigator

P05 (Gorno-Tempini) 09/01/2022 – 08/31/2027
NIH/NIA $28,069,335
Title: Frontotemporal Dementia: Genes, Images, and Emotions
Role: Co-Investigator

Completed: Co-I

R01 (Perry) 03/01/2019-03/05/2024
NIH $3,966,126
Title: Reward processing in genetic frontotemporal dementia and mood disorders
Role: Co-Investigator

Presentations

Invited Presentations

2024 International Conference on Computational and Methodological Statistics, London, UK

2024 Western North American Region of the International Biometric Society Meeting, Fort Collins, CO (June)

2023 International Conference on Computational and Methodological Statistics, London, UK

2022 International Conference on Computational and Methodological Statistics, London, UK

2022 Joint Statistical Meetings, Washington D.C.

2022 Western North American Region of the International Biometric Society, Virtual

2022 Statistical Methods in Imaging, Virtual

2021 International Conference on Computational and Methodological Statistics, Virtual

2021 New England Conference on Statistics, Virtual

2021 Joint Statistical Meetings, Virtual

2020 Statistical Learning and Data Science Section Meeting - ASA, Virtual

2020 International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Virtual

2019 International Conference on Computational and Methodological Statistics, London, UK

2019 Department of Population Health, Langone Health, New York University

2019 Department of Biostatistics, Mailman School of Public Health, Columbia University

2019 Department of Epidemiology & Biostatistics, School of Medicine, University of California, San Francisco

2019 Department of Biostatistics, College of Global Public Health, New York University

2019 Department of Biostatistics, Rollins School of Public Health, Emory University

2019 Department of Biostatistics, School of Medicine, Vanderbilt University

Contributed Presentations

2020 Eastern North American Region of the International Biometric Society Meeting, Virtual (March)

2019 Eastern North American Region of the International Biometric Society Meeting, Philadelpha, PA (March)

2019 International Biometric Society Meeting, Barcelona, Spain (June)

2018 Eastern North American Region of the International Biometric Society Meeting, Atlanta, GA (March)

2017 Western North American Region of the International Biometric Society Meeting, Santa Fe, NM (June)

2016 Western North American Region of the International Biometric Society Meeting, Victoria, BC (July)

Honors and Awards

2024 Excellence in Teaching, University of California, San Francisco, Training in Clinical Research Program
**Given to a single instructor each year*

2019 Carolbeth Korn Award for most outstanding graduating student of the Fielding School of Public Health, UCLA ($10,000)

2018 Dissertation Year Fellowship, Graduate Division, UCLA ($35,000)

2017 Graduate Research Mentorship, Graduate Division, UCLA ($35,000)

2016 Best Student Paper, Western North American Region of the Int'l. Biometric Society ($500)

2016 Graduate Summer Research Mentorship, Graduate Division, UCLA ($6,000)

Professional Memberships

2016-present Member, Western North American Region of the International Biometric Society

2015-present Member, American Statistical Association

Editorial Service

Reviewer for:
Human Brain Mapping
Neuroimage
American Journal of Neuroradiology
Statistics and its Interface
Statistics in Medicine
Journal of the American Statistical Association
Annals of Applied Statistics
Biometrics
Journal of the Royal Statistical Society - Series B
Journal of Biopharmaceutical Statistics

Professional Service

- Organizer, Invited Session on ”Statistical Image Processing and Analysis, with Applications in Neuroimaging”, 2020 International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, Lisbon, Portugal
- Organizer, Invited Session on ”Recent Advances in Bayesian Approaches to Neuroimaging”, 2021 Joint Statistical Meetings, Virtual
- Organizer, Invited Session on ”Recent Advances in Bayesian Approaches to Neuroimaging”, 2021 Computational and Methodological Statistics 14th International Conference, London, UK
- Organizer, Invited Session on ”Opportunities and challenges of neuroimaging data”, 2022 Computational and Methodological Statistics 15th International Conference, London, UK

University Service

University of California, San Francisco

2022-2023	Member, Finance Committee, Department of Epidemiology & Biostatistics, UCSF
2021-present	Faculty Mentor, K Scholars Program, Department of Epidemiology & Biostatistics, UCSF
2020-2021	Co-lead, Sampling Knowledge Hub, Department of Epidemiology & Biostatistics, UCSF
2020	Selection Committee Member, Innovate for Health Fellowship, UCSF
2019-present	Co-organizer, Divisions of Biostatistics and Bionformatics Seminar Series Department of Epidemiology & Biostatistics, UCSF

University of California, Los Angeles

2018-2019	Mentor, Fielding School of Public Health Mentorship Program, UCLA
2017-2019	Student Representative, Department of Biostatistics, UCLA
2017-2019	President, Biostatistics Student Association, UCLA
2014-2015	VP of Finance, Fielding School of Public Health Student Association, UCLA