

# AARON WOLFE SCHEFFLER

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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 Institute, 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 Analysis; 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*.
- [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] **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.
- [4] **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.
- [5] **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.

- [6] **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.

**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] 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.

- [12] 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.
- [13] 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.
- [14] 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.
- [15] 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.
- [16] Li, Y., Wisnowski, J. L., Chalak, L., Mathur, A. M., McKinstry, R. C., Licon, 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.
- [17] 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.
- [18] 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).
- [19] 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.
- [20] 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.
- [21] 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.
- [22] 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.
- [23] 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.
- [24] 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.
- [25] 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.
- [26] 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.
- [27] 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.
- [28] 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.
- [29] 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.
- [30] 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.
- [31] 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.
- [32] 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.
- [33] 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.
- [34] 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.
- [35] 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.
- [36] 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.

### Submitted or working

- [1] Guhaniyogi, R., & **Scheffler**, A. W. (2023). "Sketching in bayesian high dimensional regression with big data using gaussian scale mixture priors." *arXiv preprint arXiv:2105.04795*.
- [2] Gutierrez, R., **Scheffler**, A. W., & Guhaniyogi, R. (2023). "Bayesian multi-object data integration in the study of primary progressive aphasia."

### 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 comprises 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 Rodriguez (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 of 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 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, Philadelphia, 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

- 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