Curriculum Vitae

Notarization. I have read the following and certify that this curriculum vitae is a current and accurate statement of my professional record.

Signature __Jeremy Rubin_____ Date ___05/25/2026_____

In general, do not list a work or activity more than once.

I. Personal Information

Jeremy S. Rubin
Assistant Clinical Professor of Biostatistics
University of Maryland, College Park School of Public Health

Contact Information:
Email: jrub@umd.edu
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Faculty Website: https://sph.umd.edu/people/jeremy-rubin
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Academic Appointments at UMD

Assistant Clinical Professor of Biostatistics, August 2025 - Present

Educational Background

University of Pennsylvania, Philadelphia, PA
Ph.D., Biostatistics, April 2025
Advisor: Jarcy Zee, PhD
Committee: Russell Shinohara, PhD, Jeffrey Morris, PhD, Lawrence Holzman, MD
Dissertation Title: *Statistical Methods for Variable Selection and Prediction with Pathomic Features*

M.S., Biostatistics, May 2022
Advisors: Jarcy Zee, PhD and Laura Mariani, MD
Thesis Title: *Ridge regression for functional form Identification of continuous Predictors (RIP) of Patient-Reported Outcomes*

Certificate, College and University Teaching, May 2022

University of Maryland, Baltimore County, Baltimore, MD
B.S., Statistics and Mathematics, May 2020
GPA: 4.0, *Summa Cum Laude*
Mathematics/Statistics Departmental Honors
Advisor: Russell Shinohara, PhD
Thesis Title: *Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test*

Continuing Education

University of Maryland, College Park, College Park, MD

Teaching and Learning Transformation Center

- Effective & Engaging Teamwork (Micro-credential, September 2025)
- Gamification (Micro-credential, September 2025)
- Active Learning Fundamentals (Micro-credential, August 2025)

Professional Certifications, Licenses, and Memberships

- Artificial Intelligence Interdisciplinary Institute at Maryland
- American Statistical Association
- International Chinese Statistical Association

II. RESEARCH, SCHOLARLY, CREATIVE AND/OR PROFESSIONAL ACTIVITIES

Refereed Journals

Refereed Journal Articles

*indicates co-first or co-last authors

1. E. Sonnenberg, S. Amaral, S. Zhang, **J. Rubin**, M. Levine, V. Potluri (accepted 2026, in press). Allocation of Kidney Allografts from Donors with Kidney Donor Profile Index <35% and the Impact of Kidney Donor Profile Index Revisions on Access to Transplantation for Children. *American Journal of Kidney Diseases*.

2. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee (2026). Analysis of Correlated Imaging Features using Scalar-on-matrix Regression. *Statistical Analysis and Data Mining*, **19** (2).

3. C. Chen, **J. Rubin**, L. Rennert, M. Edmondson, S. N. Vandekar*, R. T. Shinohara* (2026). A novel, variance component-based method for detecting brain-behavior associations in neuroimaging data. *Statistics and Data Science in Imaging*, **2** (1).

4. **J. Rubin**, F. Fan, L. Barisoni, A. Janowcyzk, J. Zee (2026). Novel Scalar-on-matrix Regression for Unbalanced Feature Matrices. *Statistics in Biosciences*, **18** 192-213.

5. V. S. Potluri*, **J. Rubin***, J. Zee, S. J. Ratcliffe, M. O. Harhay, P. L. Abt, E. A. Vail, C. R. Parikh, R. D. Bloom, A. Gasparini, M. Crowther, D. S. Goldberg, P. P. Reese (2026). Assessing the Quality of Deceased Donor Kidneys through Post-Transplant Survival Prediction Algorithms. *American Journal of Kidney Diseases*, **87** (1).

6. M. Lin, **J. Rubin**, R. Palermo, J. Zee, E. Hartung (2025). Determinants of left ventricular mass in children with autosomal recessive polycystic kidney disease. *Journal of Nephrology,* **38** (9) 2949-2960.

7. **J. Rubin**, Q. Cao, Y. Sakai, N. Arnett, H. Q. Phi, A. C. Hu, B. L. Cucchiara, D. Bos, L. Saba, E. Johannson, J. Zee, J. W. Song (2025). Association of Carotid Plaque Calcification Attenuation With Intraplaque Hemorrhage Volume: 3D-Segmentation Analysis. *Journal of Neuroimaging*, **35** (4).

8. F. Fan, Q. Liu, J. Zee, T. Ozeki, D. Demeke, Y. Yang, A. B. Farris, B. Wang, L. Mariani, K. Lafata, **J. Rubin**, Y. Chen, L. Holzman, J. B. Hodgin, A. Madabhushi, L. Barisoni, A. Janowczyk (2025). Clinical relevance of computationally derived tubular features and their spatial relationships with the interstitial microenvironment in minimal change disease/focal segmental glomerulosclerosis. *Kidney International*, **108** (2) 293-309.

9. J. W. Song, H. Q. Phi, M. Koneru, **J. Rubin**, Q. Cao, Y. Sakai, L. Ibrahim, S. Zhou, J. H. Woo, S. E. Kasner, L. Saba, B. K. Cucchiara (2025). Prevalence of High-risk CTA-based Carotid Plaque-RADS Subtypes in Patients with Embolic Stroke of Undetermined Source. *Stroke*, **56** (3).

10. Y. Sakai, Q. Cao, **J. Rubin**, J. Witsch, D. Cohen-Addad, K. Rodrigues, M. Coco-Martín, P. Pasyar, J. Juega, Z. Fan, S. Kasner, B. Cucchiara, J. Song (2023). Imaging Biomarkers and Prevalence of Complex Aortic Plaque in Cryptogenic Stroke: A Systematic Review. *Journal of the American Heart Association*, **12** (23).

11. Y. Chen, J. Zee, A. Janowczyk, **J. Rubin**, P. Toro, K. Lafata, L. Mariani, L. Holzman, J. Hodgins, A. Madabhushi, L. Barisoni (2023). Clinical Relevance of Computationally Derived Attributes of Peritubular Capillaries from Kidney Biopsies. *Kidney360*, **4**(5) 648-658.

12. **J. Rubin**, L. Mariani, A. Smith, J. Zee (2022). Ridge regression for functional form Identification of continuous Predictors of Patient-Reported Outcomes in Glomerular Disease. *Glomerular Diseases*, **3** 47-55.

13. **J. Rubin**, E. L. Shirley, Z. H. Levine (2018). Acceleration of diffraction calculations in cylindrically symmetrical optics by use of discrete fast Fourier transforms. *Applied Optics*, **57** 778-793.

Works in Progress

Submitted/Under Revision

1. J. E. Wiseman, T. L. Holliday, B. L. Strong, **J. S. Rubin**, G. T. Schwartzbauer, T. Scalea, D. Stein. Traumatic cerebral venous sinus thrombosis is uniformly common across skull fracture patterns in blunt head trauma: (submitted to *Journal of Neurocritical Care*).

2. **J. Rubin**, L. Han, J. Zee. Outcome Prediction Using Image Features with Conformal Quantile Regression (under invited revision at *Health Services and Outcomes Research Methodology*).

3. B. Ren, I. Barnett, H. Shou, **J. Rubin**, H. Zhu, T. Conway, K. Cain, B. Saelens, K. Glanz, J. Sallis, J. S. Morris. Semiparametric quantile functional regression analysis of adolescent physical activity distributions in the presence of missing data (under invited revision at *Journal of the American Statistical Association -- Applications & Case Studies*).

In Preparation

1. L. Rodrigues*, A. Paul*, **J. Rubin***, H. Abdelazim, A. Gupta, C. Pardinhas, C. Pimenta, B. Fernandes, I. Simões, V. Sousa, A. Figueirerdo, R. Alves, A. B. Fogo, J. Zee, P. Sarder. Multimodal ComPRePS: Integrating High-dimensional Procurement Biopsy Pathomics and Clinical Data for Prediction of Post-Transplant Allograft Outcomes.

Invited Reviews of Journal Articles

Canadian Journal of Statistics

Journal of Advances in Information Technology

Conferences, Workshops, and Talks

†indicates work completed as a trainee under my supervision

Refereed Presentations

1. C. Wu†, A. Paul, L. Rodrigues, **J. Rubin**, P. Sarder. Flexible Ensemble Learning-based Classification of Post-Transplant Kidney Function Outcomes. Joint Statistical Meetings. Boston, MA (August 2026, Contributed Oral Talk).

2. H. N. Nordlinder†, **J. Rubin**. Bayesian Classification of Binary Outcomes from Unbalanced Matrix-Valued Predictors with Unsupervised Clustering. Scandinavian Actuarial Conference. Stockholm, SE (June 2026, Contributed Oral Talk).

3. L. Rodrigues, A. S. Paul, **J. Rubin**, H. M. Abdelazim, A. Gupta, S. Border, C. Pardinhas, V. M. L. Sousa, A. Figueiredo, J. Zee, P. Sarder. Integrating Pathomic and Clinical Data Using Artificial Intelligence (AI) Models from Kidney Deceased Donors to Reduce Organ Discard and Improve Transplant Outcomes. American Society of Nephrology Kidney Week, Houston, TX (November 2025, Contributed Oral Talk).

4. E. Sonnenberg, S. Amaral, S. Zhang, **J. Rubin**, M. H. Levine, V. S. Potluri. The impact of revisions to the KDPI for pediatric kidney transplant candidates in the US and utilization

of KDPI<35 kidneys in the contemporary era. 13th Congress of the International Pediatric Transplant Association, Berlin, Germany (September 2025, Contributed Oral Talk).

5. **J. Rubin**, L. Han, J. Zee. Outcome Prediction using Image Features with Conformal Quantile Regression. Joint Statistical Meetings, Nashville, TN (August 2025, Contributed Oral Talk).

6. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Analysis of Correlated Image Features using Scalar-on-matrix Regression. Eastern North American Region International Biometric Society Spring Meeting, New Orleans, LA (March 2025, Contributed Oral Talk).

7. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Analysis of Independent and Correlated Imaging Features using Scalar-on-matrix Regression. Joint Statistical Meetings, Portland, OR (August 2024, Contributed Oral Talk).

8. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Scalar-on-matrix Regression for Unbalanced Feature Matrices. Eastern North American Region International Biometric Society Spring Meeting, Baltimore, MD (March 2024, Contributed Oral Talk).

9. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Scalar-on-matrix Regression for Unbalanced Feature Design Matrices. Joint Statistical Meetings, Toronto, ON (August 2023, Contributed Oral Talk).

10. **J. Rubin**, L. Mariani, A. Smith, J. Zee. Ridge regression for functional form Identification of continuous Predictors (RIP). Eastern North American Region International Biometric Society Spring Meeting, Virtual (March 2022, Contributed Oral Talk).

11. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: A Powerful Kernel Test for Neuroimaging Studies. Joint Statistical Meetings, Virtual (August 2021, Contributed Speed Talk).

12. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. Eastern North American Region International Biometric Society Spring Meeting, Virtual (March 2020, Contributed Oral Talk).

13. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. Leadership Alliance National Symposium, Hartford, CT (July 2019, Contributed Oral Talk).

14. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful

Kernel Test. Leadership Alliance National Symposium, Hartford, CT (July 2018, Contributed Oral Talk).

Refereed Abstracts

1. E. Sonnenberg, S. Amaral, S. Zhang, **J. Rubin**, M. Levine, V. Potluri (2025). The Use of Deceased Donor Kidneys Prioritized for Pediatric Candidates and the Implications of the Refit KDPI Policy. *The American Journal of Transplantation*. **25**(8) S851-S852.

2. P. Reese, S. Ratcliffe, A. Gasparini, V. Potluri, P. Abt, E. Vail, C. Parikh, M. Crowther, R. Bloom, M. Harhay, **J. Rubin**, J. Zee, D. Goldberg (2024). Improving the Assessment of Deceased Donor Kidney Quality with Outcome Prediction. American Transplant Congress, Philadelphia, PA.

Refereed Posters

1. R. R. Thipparthi†, A. Monga†, R. Chen†, J. Vo†, A. Gupta, A. Paul, L. Rodrigues, **J. Rubin**, P. Sarder. Adapting Machine Learning Models Using Multisite Histopathology Data for Predicting Kidney Function. Joint Statistical Meetings, Boston, MA (August 2026, Contributed Poster).

2. A. Sun†, R. Koushik†, **J. Rubin**. A Web-Based Application for Machine Learning Predictions of Kidney Transplant Outcomes. International Chinese Statistical Association Applied Statistics Symposium, Arlington, VA (June 2026, Contributed Poster).

3. R. Moy, **J. Rubin**, K. Meyers, M. Cadnapaphornchai, R. Palermo, A. Vossough, K. Howarth, J. Zee, E. Hartung. Vascular anomalies and cardiovascular risk factors in autosomal recessive polycystic kidney disease (ARPKD). Polycystic Kidney Disease Connect Conference, Chicago, IL (June 2026, Contributed Poster).

4. R. R. Thipparthi†, A. Monga†, R. Chen†, J. Vo†, Y. Hswen, A. Paul, L. Rodrigues, **J. Rubin**, P. Sarder. Adapting Machine Learning Models Using Multisite Histopathology Data for Predicting Kidney Function. Artificial Intelligence Interdisciplinary Institute at Maryland Inaugural Research & Learning Symposium, College Park, MD (May 2026, Contributed Poster).

5. A. Zhang†, Y. Hswen, **J. Rubin**. Scalar-on-Tensor Regression with Unbalanced Tensor Predictors. Artificial Intelligence Interdisciplinary Institute at Maryland Inaugural Research & Learning Symposium, College Park, MD (May 2026, Contributed Poster).

6. H. Hu†, A. S. Paul, L. Rodrigues, **J. Rubin**, P. Sarder. Integrating Tubule-Level Procurement Biopsy Pathomics and Clinical Factors for Machine Learning Prediction of

Delayed Graft Function. Kidney Precision Medicine Project (KPMP) consortium, Bethesda, MD (March 2026, Invited Poster).

7. C. Gao†, B. Ferreira, L. Y. Zhou†, A. S. Paul, **J. Rubin**, L. Rodrigues, M. T. Eadon, C. Pardinhas, H. Hu†, P. Sarder. A pathomic-ensemble strategy for exploring histological signatures of eGFR decline in IgAN. Society of Photo-Optical Instrumentation Engineers (SPIE) Medical Imaging Meeting, Vancouver, BC (February 2026, Contributed Poster).

8. L. Y. Zhou†, B. Ferreira, C. Gao†, **J. Rubin**, A. S. Paul, C. Pardinhas, L. Rodrigues, M. T. Eadon, P. Sarder. A pathomics-integrated approach toward improved prediction of kidney survivability up to 5 years post-biopsy in IgA nephropathy patients. Society of Photo-Optical Instrumentation Engineers (SPIE) Medical Imaging Meeting, Vancouver BC (February 2026, Contributed Poster).

9. **J. Rubin**, A. S. Paul, L. Rodrigues, H. M. Abdelazim, A. Gupta, S. Border, C. Pardinhas, V. M. L. Sousa, A. Figueiredo, J. Zee, P. Sarder. Predicting Delayed Graft Function using Multimodal Artificial Intelligence (AI) with Pathomics from Deceased Donor Biopsy and Clinical Data. American Society of Nephrology Kidney Week, Houston, TX (November 2025, Contributed Poster).

10. C. Pardinhas, A. S. Paul, L. Rodrigues, **J. Rubin**, H. M. Abdelazim, A. Gupta, S. Border, V. M. L. Sousa, A. Figueiredo, J. Zee, P. Sarder. Human-Artificial Intelligence (AI) Collaborative Assessment of Procurement Biopsies from Deceased Donors to Predict Post-Transplant Kidney Function: The ComPRePS AI Tool. American Society of Nephrology Kidney Week, Houston, TX (November 2025, Contributed Poster).

11. **J. Rubin**, V. S. Potluri, J. Zee, S. J. Ratcliffe, M. O. Harhay, P. L. Abt, E. A. Vail, C. R. Parikh, R. D. Bloom, A. Gasparini, M. Crowther, D. S. Goldberg, P. P. Reese. Leveraging Machine Learning Methods and Novel Data Sources to Develop Race-Free Algorithms to Predict Deceased Donor Kidney Quality. American Society of Nephrology Kidney Week, Philadelphia, PA (November 2023, Contributed Poster).

12. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Scalar-on-matrix Regression for Unbalanced Feature Design Matrices. Statistical Methods in Imaging Conference, Minneapolis, MN (May 2023, Contributed Poster).

13. **J. Rubin**, L. Mariani, A. Smith, J. Zee. Assessing the form of predictor-outcome association for machine learning models of Patient Reported Outcomes in Nephrotic Syndrome. American Society of Nephrology Kidney Week, Orlando, FL (November 2022, Contributed Poster).

14. F. Fan, B. Wang, T. Ozeki, **J. Rubin**, Y. Chen, J. B. Hodgin, L. H. Mariani, L. B. Holzman, K. Lafata, A. Madabhushi, L. Barisoni, J. Zee, A. Janowczyk. Computationally Derived "Functional" Tubule Density is Prognostic of Outcome in Glomerular Diseases.

American Society of Nephrology Kidney Week, Orlando, FL (November 2022, Contributed Poster).

15. C. Chen, **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. LaxKAT: A more powerful method to test for association and localize signal in high-dimensional data. Statistical Methods in Imaging Conference, Nashville, TN (May 2022, Contributed Poster)

16. **J. Rubin**, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. Eastern North American Region International Biometric Society Spring Meeting, Philadelphia, PA (March 2019, Contributed Electronic Speed Poster).

17. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. Undergraduate Research Symposium in the Chemical and Biological Sciences, Baltimore, MD (October 2019, Contributed Poster).

18. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. Undergraduate Research Symposium in the Chemical and Biological Sciences, Baltimore, MD (October 2018, Contributed Poster).

19. **J. Rubin**, J. E. Terrill. An image processing toolbox for CAVE software testing. University of Maryland Alliance for Diversity in Science and Engineering Young Researcher Conference, College Park, MD (September 2017, Contributed Poster).

Non-Refereed Presentations

1. **J. Rubin**, H. Hu, A. Zhang, R. R. Thipparthi, A. Monga, R. Chen, J. Vo, C. Gao, L. Zhou, H. Nordlinder, C. Wu, A. Sun. Interpretable Machine Learning for Structured, Heterogeneous, and Multisite Renal Pathomics. Penn Statistics in Imaging and Visualization Endeavor (PennSIVE) Seminar, Philadelphia, PA (May 2026, Invited Oral Talk).

2. **J. Rubin**, H. Hu, A. Zhang, R. R. Thipparthi, A. Monga, R. Chen, J. Vo, C. Gao, L. Zhou, H. Nordlinder, C. Wu, A. Sun. Interpretable Machine Learning for Structured, Heterogeneous, and Multisite Renal Pathomics. University of Maryland, College Park Department of Epidemiology and Biostatistics Seminar, College Park, Maryland (April 2026, Invited Oral Talk).

3. **J. Rubin**, H. Hu, C. Gao, L. Zhou, H. Nordlinder, C. Wu, R. R. Thipparthi, A. Monga, R. Chen, A. Sun. Interpretable Machine Learning for Renal Pathology: Research from the STARAPTOR Lab. Kidney Disease Screening and Awareness Program at the University of Maryland, College Park, Maryland (April 2026, Invited Oral Talk).

4. **J. Rubin**, H. Hu, C. Gao, L. Zhou, H. Nordlinder, C. Wu, R. R. Thipparthi, A. Monga, R. Chen, A. Sun. Interpretable Machine Learning for Renal Pathology: Research from the STARAPTOR Lab. University of Maryland, College Park Department of Epidemiology and Biostatistics Seminar, College Park, Maryland (February 2026, Invited Oral Talk).

5. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Statistical Methods for Variable Selection and Prediction with Pathomic Features. University of Maryland, Baltimore County Statistics Colloquium, Baltimore, Maryland (May 2025, Invited Oral Talk).

6. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Variable Selection and Prediction Methods for Unbalanced Feature Matrices. University of Washington Department of Statistics Seminar, Seattle, Washington (December 2024, Invited Oral Talk).

7. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Variable Selection and Prediction Methods for Unbalanced Feature Matrices. Lafayette College Department of Mathematics Seminar, Easton, Pennsylvania (December 2024, Invited Oral Talk).

8. **J. Rubin**. ROC and AUC. University of Maryland, College Park Department of Epidemiology and Biostatistics Guest Lecture, College Park, Maryland (November 2024, Invited Oral Talk).

9. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Variable Selection and Prediction Methods for Unbalanced Feature Matrices. Fred Hutch Cancer Center Biostatistics Program Hsu Group Seminar, Virtual (November 2024, Invited Oral Talk).

10. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Analysis of Independent Imaging Features using Scalar-on-matrix Regression. University of Pennsylvania Graduate Program in Biostatistics Virtual Open House, Virtual (October 2024, Oral Talk).

11. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Analysis of Independent and Correlated Imaging Features using Scalar-on-Matrix Regression. University of Pennsylvania Graduate Group in Epidemiology and Biostatistics Summer Undergraduate Internship Program Current Student/Faculty Presentations, Philadelphia, PA (June 2024, Oral Talk).

12. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Variable Selection and Prediction Methods for Unbalanced Feature Matrices. Penn-CHOP Kidney Innovation Center Work-in-Progress Seminar, Philadelphia, PA (March 2024, Oral Talk).

13. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. Novel Scalar-on-matrix Regression for Unbalanced Feature Design Matrices. University of Pennsylvania Graduate Group in

Epidemiology and Biostatistics Summer Undergraduate Internship Program Current Student/Faculty Presentations, Philadelphia, PA (June 2023, Oral Talk).

14. **J. Rubin**, L. Mariani, A. Smith, J. Zee. Assessing the form of predictor-outcome association for machine learning models of Patient Reported Outcomes in Nephrotic Syndrome. NEPTUNE Steering Committee Meeting, Virtual (September 2022).

15. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. PCA Structured lasSO (PCASSO). University of Pennsylvania Department of Biostatistics, Epidemiology, & Informatics & Center for Clinical Epidemiology and Biostatistics Research Day, Virtual (April 2022, Oral Talk).

16. **J. Rubin**, L. Mariani, A. Smith, J. Zee. Ridge regression for functional form Identification of continuous Predictors (RIP) of Patient-Reported Outcomes. University of Pennsylvania Graduate Group in Epidemiology and Biostatistics Thesis and Biostatistics in Practice Presentations, Philadelphia, PA (April 2022, Oral Talk).

17. **J. Rubin**, F. Fan, L. Barisoni, A. R. Janowczyk, J. Zee. PCA Structured lasSO (PCASSO). University of Pennsylvania Graduate Group in Epidemiology and Biostatistics Works-in-Progress Talks, Virtual (March 2022, Oral Talk).

18. **J. Rubin**, L. Mariani, A. Smith, J. Zee. Ridge regression for functional form Identification of continuous Predictors (RIP). University of Pennsylvania Graduate Group in Epidemiology and Biostatistics Interview Day, Virtual (February 2022, Oral Talk).

19. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: A Powerful Kernel Test for Neuroimaging Studies. University of Pennsylvania Graduate Group in Epidemiology and Biostatistics First Year Chalk Talks, Virtual (August 2021, Oral Talk).

20. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. University of Pennsylvania Graduate Group in Epidemiology and Biostatistics First Year Chalk Talks, Virtual (April 2021, Oral Talk).

21. **J. Rubin**, I. Barnett, H. Shou, H. Zhu, T. Conway, K. Cain, B. Saelens, K. Glanz, J. Sallis, J. S. Morris. Wait just a 5-minute interval! Finding a near-lossless representation of TEAN accelerometer data with a quantlet basis. University of Pennsylvania Graduate Group in Epidemiology and Biostatistics First Year Chalk Talks, Virtual (January 2021, Oral Talk).

22. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. University of Maryland, Baltimore County Differential Equations Seminar:

Undergraduate Researchers (Senior Thesis Presentations), Virtual (April 2020, Oral Talk).

23. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. University of Maryland, Baltimore County Undergraduate Research and Creative Achievement Day, Virtual (April 2020, Oral Talk).

24. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. University of Maryland, Baltimore County Undergraduate Research and Creative Achievement Day, Baltimore, MD (April 2019, Oral Talk).

25. **J. Rubin**, J. E. Terrill. An image processing toolbox for CAVE software testing. National Institute of Standards and Technology Summer Undergraduate Research Fellowship Colloquium, Gaithersburg, MD (July 2017, Oral Talk).

Non-Refereed Posters

1. R. R. Thipparthi†, A. Monga†, R. Chen†, J. Vo†, Y. Hswen, A. Paul, L. Rodrigues, **J. Rubin**, P. Sarder. Adapting Machine Learning Models Using Multisite Histopathology Data for Predicting Kidney Function. University of Maryland Undergraduate Research Day, College Park, MD (April 2026, Poster).

2. A. Zhang†, Y. Hswen, **J. Rubin**. Scalar-on-Tensor Regression with Unbalanced Tensor Predictors. University of Maryland Undergraduate Research Day, College Park, MD (April 2026, Poster).

3. **J. Rubin**, V. S. Potluri, J. Zee, S. J. Ratcliffe, M. O. Harhay, P. L. Abt, E. A. Vail, C. R. Parikh, R. D. Bloom, A. Gasparini, M. Crowther, D. S. Goldberg, P. P. Reese. Leveraging Machine Learning Methods and Novel Data Sources to Develop Race-Free Algorithms to Predict Deceased Donor Kidney Quality. University of Pennsylvania Department of Medicine Research Day, Philadelphia, PA (June 2023, Poster).

4. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. University of Pennsylvania Summer Undergraduate Internship Program Research Symposium, Philadelphia, PA (August 2019, Poster).

5. **J. Rubin**, L. Rennert, M. Edmondson, S. Vandekar, R. Shinohara. Letting the LaxKAT out of the Bag: Packaging, Simulation, and Neuroimaging Data Analysis for a Powerful Kernel Test. University of Pennsylvania Summer Undergraduate Internship Program Research Symposium, Philadelphia, PA (August 2018, Poster).

6. **J. Rubin**, E. L. Shirley, Z. H. Levine. Using Fast Fourier Transform Techniques and Debye's Asymptotic Expansion to Accelerate Diffraction Calculations for Cylindrically Symmetrical Systems. National Institute of Standards and Technology Summer High School Intern Program Poster Session, Gaithersburg, MD (August 2015, Poster).

Completed Creative Works and Scholarship

Software and Applications

- RIPR GitHub repository: https://github.com/jeremysrubin/RIPR
    - Implements the novel algorithm, ridge regression for functional form identification of continuous predictors (RIPR) in Rubin et al. (2022)
- Procurement-biopsy-pathomics-ml GitHub repository: https://github.com/jeremysrubin/procurement-biopsy-pathomics-ml
    - Provides code and models for Rodrigues et al. (in preparation) for predicting kidney transplant recipient outcomes with machine learning methods that integrate procurement biopsy pathomics and clinical data

Significant Works in Public Media

"Where math and medicine meet: Jeremy Rubin is one of UMBC's nine new NSF Graduate Research Fellows," UMBC News, May 2020. Print/Online. https://news.umbc.edu/where-math-and-medicine-meet-jeremy-rubin-is-one-of-umbcs-nine-new-nsf-graduate-research-fellows/?preview=true&_thumbnail_id=46009

Gifts, and Funded Research not administered by the ORA

Other

Developing High-Quality Tools to Characterize Allograft Quality, Predict Transplant Outcomes and Expand Access to Kidney and Liver Transplantation
Source: National Institute of Diabetes and Digestive and Kidney Diseases
Role: Biostatistician Trainee
Amount Awarded: $506,377
Time Period: 06/29/2022 – 05/31/2025

Research Fellowships, Prizes and Awards

- National Science Foundation Graduate Research Fellowship Program
    - Title: The Linear Maximal Sequence Kernel Association Test for Neuroimaging Studies
    - Role: Fellow
    - Amount Awarded: $102,000
    - Time period: 06/20/2022 – 06/20/2025
- Top Biostatistics Talk DBEI & CCEB Research Day (April 2022)

- Honors College Outstanding Academic Achievement Award (April 2020)
- Outstanding Graduating Senior in Statistics (April 2020)
- Outstanding Graduating Senior in Mathematics (April 2020)
- Valedictorian Nomination (April 2020)
- Biological Sciences 1st Place Undergraduate Research Symposium in the Chemical and Biological Sciences (October 2019)
- Phi Kappa Phi (May 2019)
- Pi Mu Epsilon Mathematics Honor Society (September 2018)
- UMBC Dr. Bimal and Mrs. Suchandra Sinha Endowment for Excellence in Statistics (April 2018)
- MARC U*STAR Scholarship (April 2018) - Increase diversity in achievement of terminal degrees in biomedical, behavioral, or mathematical sciences
- UMBC Undergraduate Research Award (March 2018) - Provides up to $1,500 to undergraduates to fund their research or creative work with a UMBC faculty member on a new project
- Mu Sigma Rho Statistics Honor Society (November 2017)
- UMBC Honors College (July 2016)
- Meyerhoff Scholars Program (July 2016) - Increase diversity in achievement of STEM PhDs

III. TEACHING, EXTENSION, AND ADVISING

Courses Taught

University of Maryland, College Park School of Public Health, College Park, MD
Instructor

- **Biostatistics for Public Health Practice (EPIB315), Spring 2026**
    - Focuses on reinforcing introductory, applied statistical concepts
    - ≈ 170 undergraduate students
    - Managing a six-student team of teaching assistants including five PhD students and one undergraduate student
    - Reinforcing statistical concepts primarily with hand computations, but additionally incorporating R programming exercises with lectures and discussion sessions to reinforce material

- **Introduction to Programming in R (EPIB463)/Introduction to R for Health Data Analysis (EPIB695), Spring 2026**
    - Focuses on skill development with R programming
    - ≈ 20 students with a mixture of undergraduate, MPH and PhD students
    - Implementing team-based midterm and final projects in which students analyze real-world health datasets, creating their own study designs guided by literature reviews and culminating in a group written report and oral presentation
        - Within each team, one or a few graduate students focus on conducting the literature review and formulating the study design in order to effectively mentor the undergraduate students who carry out the statistical analyses
- **Categorical Data Analysis (EPIB 652), Fall 2025**
    - Focuses on statistical methods for analyzing categorical data
    - ≈ 20 students with a mixture of MPH and PhD students
    - Implemented team-based midterm and final projects in which students analyze real-world datasets, creating their own study designs guided by literature reviews and culminating in a group written report and oral presentation
- **Public Health Data Management (EPIB 697), Fall 2025, Summer 2025**
    - Focuses on skill development with SAS programming
    - ≈ 5-30 students for Summer/Fall courses with a mixture of MPH and PhD students
    - Implemented team-based midterm and final projects in which students analyze real-world health datasets, creating their own study designs guided by literature reviews and culminating in a group written report and oral presentation

<u>Advising</u>: Research or Clinical

Master's

Capstone Committee Member

- Eunice Ok, April 2026 – Present – MPH Candidate in Biostatistics, University of Maryland, College Park
- Jacqueline Miller, December 2025 – May 2026 – MPH Candidate in Epidemiology, University of Maryland, College Park

- Olivia Prince, November 2025 – May 2026 - MPH Candidate in Epidemiology, University of Maryland, College Park

Advising: Other than Directed Research

Doctoral

External Research Mentor

- Huiqian Hu, June 2025 - Present - PhD Candidate in Molecular Pharmaceutics, University of Utah
    - Primary Project: *Integrating Tubule-Level Procurement Biopsy Pathomics and Clinical Factors for Machine Learning Prediction of Delayed Graft Function*
    - Contributing Project: *A Pathomic-Ensemble Strategy for Exploring Histological Signatures of eGFR Decline in IgAN*
    - Received travel award for poster presentation at the 2026 Kidney Precision Medicine Project (KPMP) consortium

Master's

Research Mentor

- Aneesh Chepuri, February 2026 – May 2026 – MS Student in Data Science, University of Maryland, College Park
    - Primary Project: *Scalar-on-matrix Regression with False Discovery Rate Control*
    - Placement: Pursuing internship in Summer 2026 as a Deep Learning Engineer at a biostatistics research organization

External Research Mentor

- Hedwig Nordlinder, September 2025 – Present – MS Student in Mathematical Statistics, Stockholm University
    - Primary Project: *Scalar-on-matrix Logistic Regression for Unbalanced Feature Matrices*

Bachelor's

Research Mentor

- Alec Zhang, February 2026 – Present – BS Student in Computer Science, University of Maryland, College Park
    - Primary Project: *Scalar-on-Tensor Regression with Unbalanced Tensor Predictors*
    - Received a 2026 Excellence in Research Award for the University of Maryland Undergraduate Research Day

- Janelle Vo, February 2026 – Present – BS Student in Public Health Science, University of Maryland, College Park

    - Primary Project: *Adapting Machine Learning Models Using Multisite Histopathology Data for Predicting Kidney Function*

- Raymond Chen, December 2025 – Present – BS Student in Computer Science, University of Maryland, College Park
    - Primary Project: *Adapting Machine Learning Models Using Multisite Histopathology Data for Predicting Kidney Function*

- Advay Monga, December 2025 – Present – Undergraduate Student, University of Maryland, College Park
    - Primary Project: *Adapting Machine Learning Models Using Multisite Histopathology Data for Predicting Kidney Function*

- Ritesh Reddy Thipparthi, December 2025 – Present – BS Student in Computer Science, University of Maryland, College Park
    - Primary Project: *Adapting Machine Learning Models Using Multisite Histopathology Data for Predicting Kidney Function*

- Chris Wu, November 2025 – Present – BS Student in Computer Science, University of Maryland, College Park
    - Primary Project: *Flexible Ensemble Learning-based Classification of Post-Transplant Kidney Function Outcomes*

Academic adviser

- Maryam Attili, January 2026 – Present – MPH Student in Biostatistics, University of Maryland, College Park
- Jordan Best, June 2025 - Present - MPH Student in Biostatistics, University of Maryland, College Park
- Betelehim Haile, June 2025 - Present - MPH Student in Biostatistics, University of Maryland, College Park

Other Advising Activities

External Research Mentor

- Ketki Joshi, March 2026 – Present, PhD Graduate in Cell and Molecular Biology, University of Texas at Dallas
    - Primary Project: *Cluster- and Histologic Object-Aware Pathomic Biomarker Identification for Kidney Function Using Machine Learning*

- Abby Sun, October 2025 – Present, Research Associate, Institute for Asthma & Allergy
    - Primary Project: *Creating Interpretable User Interfaces for Machine Learning Predictions of Post-Transplant Kidney Function Outcomes with Donor Renal Histopathology and Clinical Data*

- Kehinde Akkinuoye, August 2025 – March 2026, Data Analyst, American Clean Power
    - Primary Project: *Creating Interpretable User Interfaces for Machine Learning Predictions of Post-Transplant Kidney Function Outcomes with Donor Renal Histopathology and Clinical Data*

- Connie Gao, June 2025 – Aug 2025 - Medical Student, University of South Florida Morsani College of Medicine
    - Primary Project: *A Pathomic-Ensemble Strategy for Exploring Histological Signatures of eGFR Decline in IgAN*
    - Contributing Project: *A Pathomics-Integrated Approach Toward Improved Prediction of Kidney Survivability Up to 5 Years Post-Biopsy in IgA Nephropathy Patients*
    - Received the Digital and Computational Pathology Honorable Mention (Runner-up) Poster Award at the 2026 Society of Photo-Optical Instrumentation Engineers (SPIE) Medical Imaging Meeting

- Lylybell Zhou, June 2025 – Aug 2025 - Medical Student, University of South Florida Morsani College of Medicine
    - Primary Project: *A Pathomics-Integrated Approach Toward Improved Prediction of Kidney Survivability Up to 5 Years Post-Biopsy in IgA Nephropathy Patients*
    - Contributing Project: *A Pathomic-Ensemble Strategy for Exploring Histological Signatures of eGFR Decline in IgAN*

Peer Adviser

Meyerhoff Scholars Program, University of Maryland, Baltimore County (September 2018 - May 2020) - Provided mentorship and academic guidance for younger math students in the Meyerhoff Scholars Program

Professional and Extension Education

Workshops

University of Pennsylvania, Philadelphia, PA

- Using Real World Data in a Course Curriculum (April 2023) - Facilitators: Ian Barnett, PhD, Jin Jin, PhD, and Rui Xiao, PhD - Led discussion of topics including big data, accessing public data, programming tools, resources for learning programming languages, as well as teaching research design and data pre-processing
- Teaching a First Course after Graduate School (March 2023) - Facilitators: Arman Oganisian, PhD and Lior Rennert, PhD - Led discussion of topics including navigating the application process for faculty positions, differences between various

faculty tracks, strategies for designing a course, and how graduate student and faculty environments differ

- Teaching Statistics to Non-Statisticians (February 2023) - Facilitators: Nandita Mitra, PhD and Wei-Ting Hwang, PhD - Led discussion of topics including picking appropriate statistical software, encouraging student engagement through motivating data examples, and making courses accessible to students of different statistical backgrounds
- Strategies for Teaching in Graduate School: A Panel of Experienced PhDs & Post-Docs (November 2022) - Facilitators: Quy Cao, PhD, Kevin Donovan, PhD, and Sarah Hegarty, MPhil, MS - Led discussion of topics including working with students from diverse backgrounds, deciding how flexible to be with assignments given students' COVID experiences, encouraging understanding of material beyond achieving grades, and dealing with students asking for extra credit on assignments
- Incorporating Scientific Literature in STEM Courses (October 2022) - Facilitators: Rebecca Hubbard, PhD and Alisa Stephens-Shields, PhD - Led discussion of topics including example activities of having students engage with primary scientific literature, as well as making these classroom techniques interesting and accessible to students with different backgrounds
- Strategies for Teaching Highly Mathematical Material (October 2022) - Facilitators: Elizabeth Sweeney, PhD and Haochang Shou, PhD - Led discussion of topics including aspects of learning specific to advanced mathematics, best practices for presenting content in lectures, making material accessible to students from different math backgrounds, creating homework/exams, encouraging student participation, and helping struggling students
- Working as Part of a Teaching Team (September 2022) - Led evaluation and case study activities to emphasize effectively leveraging different opinions and evaluation preferences on a teaching team, as well as strategies for reaching out to one's teaching team for different situations
- Incorporating the Use of Computer Software in a Course (September 2022) - Facilitators: Jarcy Zee, PhD and Kristin Linn, PhD - Led discussion of topics including big data, accessing public data, programming tools, resources for learning programming languages, deciding whether to have a dedicated laboratory section of a course, access to computing resources, and making courses meaningful and accessible to students with diverse computing backgrounds

University of Maryland, Baltimore County, Baltimore, MD

- Networking Workshop: Establishing Relationships that will Unlock Your Future (June 2020) - Led discussion of topics including what networking is, the importance of and strategies for networking, and facilitated breakout sessions where students identified who was in their network

Guest Lectures and Invited Talks

Guest Lecturer

- Biostatistics for Epidemiologic Methods II (EPID 527)
    - Topic: Sample size and power (February 2023)
    - Topic: Proportional odds model and generalized ordered logistic regression (February 2022)

Other Teaching Activities

University of Pennsylvania, Philadelphia, PA
Teaching Assistant

- Introduction to Statistics for Health Policy (HPR 604), Summer 2021, 2022 - Responsibilities included grading homework and holding office hours
- Data Analysis for Life Science (BIOM 610), January 2022 – May 2022 - Created video lectures to reinforce statistical concepts covered in DataCamp statistics courses

University of Maryland, Baltimore County, Baltimore, MD
Teaching Assistant

- Special Topics in Mathematics (MATH 290), June – July 2020 - Responsibilities included holding discussion sessions in which I facilitated group work on practice problems, grading homework, and holding office hours
- Calculus and Analytical Geometry II (MATH 152), Spring 2020, Fall 2018 - Responsibilities included holding discussion sessions in which I facilitated group work on practice problems, holding office hours, and grading quizzes/exams
- Introduction to Mathematical Reasoning (MATH 390), Spring 2020, Fall 2019 - Responsibilities included holding discussion sessions in which I facilitated group work on practice problems, holding office hours, grading homework, and providing qualitative evaluations of student performance in proof-writing skills
- Multivariable Calculus (MATH 251), Spring 2019 - Responsibilities included holding discussion sessions in which I reviewed quiz solutions, grading quizzes/exams and holding office hours
- Calculus and Analytical Geometry I (MATH 151), Spring 2018, Fall 2017 - Responsibilities included holding discussion sessions in which I facilitated group work on practice problems, holding office hours, and grading quizzes/exams

Grader

- Introduction to Differential Equations (MATH 225), Fall 2019 - Graded weekly homework

- Applied Statistics (STAT 454), Spring 2019 - Graded weekly homework

Tutor

- College of Natural and Mathematical Sciences Active Science Teaching and Learning Environment, February - May 2017 - Provided hands-on tutoring to predominately calculus I and II students in a collaborative learning environment

Teaching Awards

- Preparing to Teach Statistics and Data Science Workshop (August 2024) - Selected to participate in one-day workshop designed to prepare for a future role as faculty responsible for teaching statistics and data science to undergraduate students of different disciplines
- Center for Excellence in Teaching, Learning, and Innovation Graduate Fellowship for Teaching Excellence (April 2022) - Recognizes graduate students who are dedicated to excellent teaching and encourages their development as teachers

IV. Service and Outreach

Campus Service – Department

University of Maryland, **College Park School of Public Health**, College Park, MD

Maryland Day Liaison (February 2026 – April 2026)

- Coordinated volunteers for and ran the Department of Epidemiology and Biostatistics table at Maryland Day, during which I highlighted current faculty and student research as well as ran an interactive R shiny activity where participants tested their memory of different parts of a kidney as viewed on a histology quiz, learned about different parts of the kidney as the quiz progressed, and were ultimately presented with a description and motivation behind the work of my research group as well as the general fields of biostatistics and epidemiology

Committee Member

- PhD Handbook in Biostatistics Committee (December 2025 - Present) - Assisting with the development of a handbook for the new MS and PhD in Biostatistics degree programs in Department of Epidemiology and Biostatistics
- Master of Professional Studies (MPS) for Public Health in Artificial Intelligence (AI) Committee (October 2025 - Present) - Assisting with design of the proposed MPS for Public Health in AI program by the Department of Epidemiology and Biostatistics by outlining coursework and culminating project

University of Pennsylvania, Philadelphia, PA

Committee Member

- Summer Undergraduate Internship Program Curriculum Committee (May 2024, 2023) - Assisted with scheduling of social and professional activities for Summer Undergraduate Internship Program students working with faculty in the Graduate Group in Epidemiology and Biostatistics
- Graduate Group in Epidemiology and Biostatistics Student Recruitment Committee (September 2023 – April 2025) - Helped organize events to recruit trainees from diverse backgrounds for the Graduate Group in Epidemiology and Biostatistics

Panel Moderator

- Graduate Program in Biostatistics Virtual Open House (October 2024, October 2020) - Moderated panel of current biostatistics faculty to address questions concerning the application process for programs in the Graduate Group in Epidemiology and Biostatistics

Panelist

- Graduate Group in Epidemiology and Biostatistics Job Panel (June 2025) - Gave ten-minute presentation to current Graduate Group in Epidemiology and Biostatistics students about experience with and advice for applying to post-PhD jobs
- Summer Undergraduate Internship Program (July 2024, 2023) - Topic: Applying to Graduate School - Fielded questions about the graduate school preparation and application processes to undergraduate summer interns in the Graduate Group in Epidemiology and Biostatistics
- Graduate Group in Epidemiology and Biostatistics Interview Day (February 2024, January 2023, February 2022) - Fielded questions about our graduate programs for interviewing students

University of Maryland, **Baltimore County**, Baltimore, MD

Panelist

- Passing the Torch (June 2025, April 2026) – Alumni from the Meyerhoff Scholars Program answer questions from current undergraduate students in the program about applying to PhD programs

Campus Service – College

University of Pennsylvania, Philadelphia, PA

Speaker

- Biomedical Graduate Studies Orientation (August 2024, 2023, 2021) - Topic: Electronic Laboratory Notebooks - Provided a brief overview of resources for creating and sharing mathematical typesetting, code version control, as well as organization and version control tools specific to R and Python

Workshop Volunteer

- Biomedical Graduate Studies Orientation, Mentoring Workshop (August 2024, 2022, 2021) - Led breakout session to facilitate discussion on mentoring between students, faculty, and future thesis mentor(s) for incoming Biomedical Graduate Studies students
- Peer Support Network Wellness Workshop (August 2021) - Led breakout session to discuss our own wellness practices, provide a space to begin building community through conversation, and share resources available for incoming Biomedical Graduate Studies students

Student Buddy

- Graduate Group in Epidemiology and Biostatistics Interview Day (February 2024, January 2023, February 2022, 2021) - Met individually with interviewing Biostatistics PhD program applicants to answer questions about the program and serve as a current student contact

Campus Service – University

University of Pennsylvania, Philadelphia, PA

Graduate Student 1:1 Session Volunteer

- Diversity, Equity, and Engagement at Penn in STEM (October 2022) - Met individually with prospective Biostatistics PhD program applicant to answer questions about the program and serve as a current student contact

Panelist

- Center for Teaching and Learning Workshop: How to Teach about Research & Scientific Discovery in the STEM Classroom (February 2022) - Fielded questions about incorporating research and scientific discovery in the classroom as a teaching assistant

Leadership Roles in Meetings and Conferences

American Statistical Association
Session Chair - Joint Statistical Meetings (August 2024) - Topic: Novel Bayesian Methods for the Analysis of Imaging Data - Ensured that speakers adhered to allotted times and facilitated questions

External Service and Consulting – Other

- Robert Moy, December 2025 – Present, Pediatric Nephrology Fellow, Children's Hospital of Philadelphia
    - Primary Project: *Intracranial aneurysms and vascular abnormalities in autosomal recessive polycystic kidney disease* (*ARPKD*)

Non-Research Presentations

J. Rubin. Alumnus Guest Speaker, Undergraduate Research Training Initiative for Student Enhancement (U-RISE) at University of Maryland, Baltimore County Scholars Recognition Ceremony, Baltimore, Maryland (May 2025, Oral Talk).

VI. OTHER INFORMATION

Skills

Programming languages: R, SAS
Other tools: High Performance Computing, bash, LaTeX, Linux/Unix