

# Evan Kwiatkowski

[evan.k.kwiatkowski@uth.tmc.edu](mailto:evan.k.kwiatkowski@uth.tmc.edu) | (713) 500-9454

Updated April 30, 2024

## Work Experience

- **University of Texas Graduate School of Biomedical Sciences**  
Associate Member – Quantitative Sciences Program  
**Houston, TX**  
Feb 2024 - present
- **University of Texas Health Science Center at Houston**  
Assistant Professor – Department of Biostatistics and Data Science  
**Houston, TX**  
Dec 2023 - present
- **University of Texas MD Anderson Cancer Center**  
Instructor – Department of Biostatistics  
**Houston, TX**  
Feb 2023 – Nov 2023  
Visiting Postdoctoral Scholar – Department of Biostatistics  
**Houston, TX**  
Nov 2021 – Jan 2023
- **Rice University**  
Postdoctoral Research Associate – Department of Statistics  
**Houston, TX**  
Oct 2021 – Jan 2023
- **University of Florida**  
Research Statistician – Department of Epidemiology  
**Gainesville, FL**  
Jan 2015 – Aug 2016

## Education

- **University of North Carolina at Chapel Hill**  
PhD Biostatistics (*Advisor: Matthew A. Psioda*)  
*Dissertation: "Statistical methods for sequential monitoring and incorporating real-world evidence in Bayesian clinical trial design"*  
**Chapel Hill, NC**  
December 2021
- **University of Colorado Denver**  
MS Applied Mathematics  
**Denver, CO**  
May 2014
- **Binghamton University**  
BS Mathematical Sciences  
**Vestal, NY**  
May 2011

## Honors and Awards

- **Rice University**  
Future Faculty Fellow  
**Houston, TX**  
July 2022
- **University of Colorado Denver**  
College of Liberal Arts and Sciences Outstanding Graduate Student  
Lynn Bateman Memorial Teaching Fellowship  
**Denver, CO**  
May 2014  
August 2011
- **Binghamton University**  
Helen P. Beard Award for Excellence in Undergraduate Mathematics  
Award for Excellence in Mathematical Sciences  
Sigma Alpha Lambda  
Magna Cum Laude  
**Vestal, NY**  
May 2011

## Current Funding

Grant Number: 1R01CA279749-01A1, Sponsor: National Cancer Institute, Organization: University of Texas MD Anderson Cancer Center, Title: Integrating patient-reported outcomes and T-cell receptor sequencing to predict immune-related adverse events, Role: Statistician, Effort: 4%.

## Publications

- Lin, R., Yang, C-H., **Kwiatkowski, E.**, Lee, J. J. (2024). REDOMA: Bayesian random-effects dose-optimization meta-analysis using spike-and-slab priors. *Statistics in Medicine*, (in press).
- Kwiatkowski, E.**, Zhu, J., Li, X., Pang, H., Lieberman, G., Psioda, M. A. (2024). Case weighted power priors for hybrid control analyses with time-to-event data. *Biometrics*, <https://doi.org/10.1093/biomtc/ujae019>
- Ahmed, J., Stephen, B., Yang, Y., **Kwiatkowski, E.**, Ejezie, C., Pant, S. (2023). A phase Ib/II study of Lacnotuzumab (MCS110) in combination with Spartalizumab (PDR001) in patients with advanced malignancies. *Journal of Immunotherapy and Precision Oncology*. <https://doi.org/10.36401/JIPO-23-16>
- Stephen, B., Looney, T., Hajjar, J., Sarda, S., Duose, D. Y., Morrison, Carl., Alshawa, A., Xu, M., Zarifa, A., Patel, S., Yuan, Y., **Kwiatkowski, E.**, Wang, L., Ahnert, J. R., Fu, S., Meric-Bernstam, F., Lowman, G. M., Naing, A. (2023). T-cell receptor beta variable gene polymorphism predicts immune-related adverse events during checkpoint blockade immunotherapy. *Journal for ImmunoTherapy of Cancer*. <https://doi.org/10.1136/jitc-2023-007236>
- Kwiatkowski, E.**, Andraca-Carrera, E., Soukup, M., Psioda, M. A. (2022). A Structured Framework for Bayesian Sequential Monitoring in Clinical Trials. *Journal of Biopharmaceutical Statistics*. <https://doi.org/10.1080/10543406.2022.2078346>
- Sales, J. M., Escoffery, C., Hussen, S. A., Haddad, L. B., McCumber, M., **Kwiatkowski, E.**, Filipowicz, T., Sanchez, M., Psioda, M. A., Sheth, A. N. (2021). Pre-Exposure Prophylaxis Implementation in Family Planning Services across the Southern United States: Findings from a survey among staff, providers and administrators working in Title X-funded Clinics. *AIDS and Behavior*. <https://doi.org/10.1007/s10461-020-03120-9>
- Young, H. W., Martin, E. T., **Kwiatkowski, E.**, Tyndall, J. A., Cottler, L. B. (2020). The Association between Emergency Department Super-Utilizer Status and Willingness to Participate in Research. *Emergency Medicine International*. <https://doi.org/10.1155/2020/9404293>
- Bangma, J. T., **Kwiatkowski, E.**†, Psioda, M., Santos, H. P., Hooper, S. R., Douglass, L., Joseph, R. M., Frazier, J. A., Kuban, K. C. K., O'Shea, T. M., Fry, R. C. (2019). Early life antecedents of positive child health among 10-year-old children born extremely preterm. *Pediatric Research*. <https://doi.org/10.1038/s41390-019-0404-x>  
†co-first author
- Bangma, J. T., **Kwiatkowski, E.**†, Psioda, M., Santos, H. P., Hooper, S. R., Douglass, L., Joseph, R. M., Frazier, J. A., Kuban, K. C. K., O'Shea, T. M., Fry, R. C. (2019). Understanding positive child health. In *Pediatric Research*. <https://doi.org/10.1038/s41390-019-0564-8>  
†co-first author
- Sales, J. M., Escoffery, C., Hussen, S. A., Haddad, L. B., Phillips, A., Filipowicz, T., Sanchez, M., McCumber, M., Rupp, B., **Kwiatkowski, E.**, Psioda, M. A., Sheth, A. N. (2019). Pre-Exposure Prophylaxis Integration into Family Planning Services at Title X Clinics in the Southeastern United States: A Geographically-Targeted Mixed Methods Study (Phase 1 ATN 155). *JMIR Research Protocols*. <https://doi.org/10.2196/12774>

- Sjöberg, Y., Gomach, S., **Kwiatkowski, E.**, Mansoz, M. (2019). Involvement of local indigenous peoples in arctic research — expectations, needs and challenges perceived by early career researchers. *Arctic Science*. <https://doi.org/10.1139/as-2017-0045>
- Striley, C. W., Milani, S. A., **Kwiatkowski, E.**, DeKosky, S. T., Cottler, L. B. (2019). Community perceptions related to brain donation: Evidence for intervention. *Alzheimer's and Dementia*. <https://doi.org/10.1016/j.jalz.2018.09.005>
- Bangma, J. T., **Kwiatkowski, E.**†, Psioda, M., Santos, H. P., Hooper, S. R., Douglass, L., Joseph, R. M., Frazier, J. A., Kuban, K. C. K., O'Shea, T. M., Fry, R. C. (2018). Assessing Positive Child Health among Individuals Born Extremely Preterm. *Journal of Pediatrics*. <https://doi.org/10.1016/j.jpeds.2018.06.037>  
†co-first author
- Cottler, L. B., Striley, C. W., Elliott, A. L., Zulich, A. E., **Kwiatkowski, E.**, Nelson, D. R. (2017). Pragmatic trial of a Study Navigator Model (NAU) vs. Ambassador Model (N+) to increase enrollment to health research among community members who use illicit drugs. *Drug and Alcohol Dependence*. <https://doi.org/10.1016/j.drugalcdep.2016.12.031>
- Varma, D. S., Hart, M., McIntyre, D. S., **Kwiatkowski, E.**, Cottler, L. B. (2016). A Research Protocol to Test the Effectiveness of Text Messaging and Reminder Calls to Increase Service Use Referrals in a Community Engagement Program. *JMIR Research Protocols*. <https://doi.org/10.2196/resprot.5854>
- Kwiatkowski, E.**, Mandel, J. (2015). Convergence of the square root ensemble kalman filter in the large ensemble limit. *SIAM-ASA Journal on Uncertainty Quantification*. <https://doi.org/10.1137/140965363>

## Technical Papers

- Kwiatkowski, E.** SESUG Paper 189-2018. Automated Comparison Tables using PROC REPORT. [https://www.lexjansen.com/sesug/2018/SESUG2018\\_Paper-189\\_Final\\_PDF.pdf](https://www.lexjansen.com/sesug/2018/SESUG2018_Paper-189_Final_PDF.pdf)
- Kwiatkowski, E.**, Crooke, H., Roggenkamp, K. SESUG Paper 140-2017. Backward Variable Selection for Logistic Regression Based on Percentage Change in Odds Ratio. <https://www.lexjansen.com/sesug/2017/CC-140.pdf>

## Invited Oral Presentations

- Case Weighted Power Priors for Hybrid Control Analyses with Time-to-Event Data. *Expert Workshop on Hybrid Designs – Genentech/University of North Carolina at Chapel Hill*. April 16, 2024. Washington, D.C.
- Adaptively Incorporating External Data in Bayesian Clinical Trial Design – *University of Texas Health Science Center at Houston*. September 5, 2023. Houston, TX.
- Adaptively Incorporating Real-World Evidence in Bayesian Clinical Trial Design Through Posterior-Predictive Compatibility Assessments – *Moffitt Cancer Center*. October 11, 2022. Tampa, FL.

- Adaptively Incorporating Real-World Evidence in Bayesian Clinical Trial Design Through Posterior-Predictive Compatibility Assessments – *Yale University*. September 6, 2022. Virtual Presentation.
- Adaptively Incorporating Real-World Evidence in Bayesian Clinical Trial Design Through Posterior-Predictive Compatibility Assessments – *University of Texas MD Anderson Cancer Center*. August 30, 2022. Virtual Presentation.
- Adaptively Incorporating Real-World Evidence in Bayesian Clinical Trial Design Through Posterior-Predictive Compatibility Assessments – *University of Kentucky Markey Cancer Center*. August 24, 2022. Lexington, KY.
- Case Weighted Adaptive Power Priors for Hybrid Analyses with Time-to-Event Data. *Expert Workshop on Hybrid Designs – Genentech/University of North Carolina at Chapel Hill*. November 16, 2021. Chapel Hill, NC.
- Use of Hybrid Control Arms with Adaptive Power Priors for Time-to-Event Data. *External Control Community Forum – Genentech*. July 29, 2021. Virtual Presentation.
- Constructing Hybrid Control Arms in Randomized Trials Using Real-World Data Based on a Power Prior with Control-Specific Discounting Parameters. *NABF+PDP Joint Seminar – Genentech*. June 18, 2020. Virtual Presentation.

## Contributed Oral Presentations

- Case Weighted Adaptive Power Priors for Hybrid External Control Arms. *Joint Statistical Meetings*. August 7, 2023. Toronto, Canada.
- Case Weighted Adaptive Power Priors for Hybrid External Control Arms. *International Indian Statistical Association Annual Conference*. June 1, 2023. Golden, CO.
- A Benchmark Effective Sample Size to Measure Information Borrowing in Hybrid Designs. *ENAR Spring Meeting*. March 22, 2023. Nashville, TN.
- Bayesian Empirical Balancing Calibration for Addressing Nonconcurrent Controls in Adaptive Platform Trials. *Joint Statistical Meetings*. August 7, 2022. Washington D.C.
- A Structured Framework for Adaptively Incorporating External Evidence in Sequentially Monitored Clinical Trials. *Society for Clinical Trials Annual Meeting*. May 17, 2022. San Diego, CA.
- Case Weighted Adaptive Power Priors for Hybrid Analyses with Time-to-Event Data. *ENAR Spring Meeting*. March 29, 2022. Houston, TX.
- A Structured Framework for Bayesian Sequential Monitoring in Clinical Trials. *Joint Statistical Meetings*. August 18, 2021. Virtual Conference.
- Using Multiple Imputation to Account for Uncertainty in Summary Scores Derived from Likert Scale Survey Items. *Joint Statistical Meetings*. August 6, 2020. Virtual Conference.
- Automated Comparison Tables using PROC REPORT. *SouthEast SAS Users Group Annual Conference*. October 16, 2018. St. Pete Beach, FL.

- Backward Variable Selection for Logistic Regression based on Percentage Change in Odds Ratio. *SouthEast SAS Users Group Annual Conference*. November 6, 2017. Cary, NC.
- Convergence of the Unbiased Square Root Kalman Filter in the Large Ensemble Limit. *SIAM Conference on Uncertainty Quantification*. March 31, 2014. Savannah, GA.
- Convergence of the Unbiased Square Root Kalman Filter in the Large Ensemble Limit. *Front Range SIAM Student Conference*. March 1, 2014. Denver, CO.
- Minimal Dynamical Systems on Cantor Spaces. *AMS Eastern Sectional Meeting*. October 2, 2010. Syracuse, NY.

## Poster Presentations

- A Benchmark Effective Sample Size to Measure Information Borrowing in Hybrid Designs. *ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop*. September 22, 2022. Bethesda, MD.
- Use of Hybrid Control Arms with Adaptive Power Priors for Time-to-Event Data. *ASA Biopharmaceutical Section Regulatory-Industry Statistics Workshop*. September 22, 2021. Virtual Conference.
- Convergence Concepts in Data Assimilation. *CU Denver Research and Creative Activities Symposium*. April 25, 2014. Denver, CO.
- Minimal Dynamical Systems on Cantor Spaces. *Joint Mathematical Meeting*. January 8, 2011. New Orleans, LA.

## Teaching Experience

### Teaching Assistant

- **University of North Carolina at Chapel Hill**  
 BIOS 767 – Longitudinal Data Analysis  
 BIOS 511 – Introduction to Statistical Computing & Data Management  
 Chapel Hill, NC  
 Spring 2021  
 Fall 2019; Fall 2018
- **University of Colorado Denver**  
 PhD Preliminary Exam in Applied Analysis – Review Instructor  
 MATH 1401 – Calculus I  
 MATH 1100 – College Algebra  
 Denver, CO  
 Winter 2014  
 Spring 2012  
 Fall 2011

### Grader

- **University of Colorado Denver**  
 MATH 3200 – Elementary Differential Equations  
 MATH 4310 – Introduction to Real Analysis I  
 Denver, CO  
 Spring 2014  
 Fall 2011

### Guest Lecturer

- **Rice University**  
 STAT 453/553 – Introductory Biostatistics  
 Houston, TX  
 Spring 2023; Spring 2022
- **University of Colorado Denver**  
 MATH 3800 – Probability and Statistics for Engineers  
 MATH 4320 – Introduction to Real Analysis II  
 Denver, CO  
 Spring 2014  
 Spring 2012

## Teaching in the Community

- **University of Colorado Denver** **Denver, CO**  
Sphere Packings and Coverings – Jefferson County Campus Visit Fall 2013

## Journal Referee

- Biometrical Journal, Biometrics, Cell Reports Medicine, Journal of Biopharmaceutical Statistics, Journal of Immunotherapy and Precision Oncology, Statistical Methods in Medical Research

## Service

- **University of Colorado Denver** **Denver, CO**  
Graduate Committee – Student Member 2013 – 2014  
CLAS Dean’s Student Advisory Council 2013 – 2014  
SIAM Student Chapter – President, Treasurer 2012 – 2014