

Evan Kwiatkowski

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Updated October 20, 2025

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
Nov 2021 – Jan 2023
- **Rice University**
Postdoctoral Research Associate – Department of Statistics
(Mentors: Ying Yuan and Ruitao Lin)
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

Publications

- Derbala, M.H., Hajjar, J., Stephen, B., Gurses, S.A., **Kwiatkowski, E.**, Budde, P., Zucht, H.-D., Bräutigam, M., Lindemann, A.-S., Abhari, B.A., Gouda, M.A., Castillo, L., Zarifa, A., How, J.A., Rodriguez, E., Moyers, J.T., Hong, D.S., Fu, S., Meric-Bernstam, F., Naing, A. (2025). Autoantibody profiling to predict response to the anti-PD-1 therapy, pembrolizumab, in rare tumors. *ESMO Open*, 10(8), 105518. <https://doi.org/10.1016/j.esmoop.2025.105518>
- Damone, E.M., Zhu, J., Pang, H., Li, X., Zhao, Y, **Kwiatkowski, E.**, Carey, L.A., Ibrahim, J.G. (2024). Incorporating external controls in the design of randomized clinical trials: a case study in solid tumors. *BMC Medical Research Methodology*. <https://doi.org/10.1186/s12874-024-02383-3>
- Sewastjanow-Silva M., **Kwiatkowski E.**†, Yamashita K., et al. (2024). Three biomarkers (HER2, PD-L1, and microsatellite status) in a large cohort of metastatic gastroesophageal adenocarcinomas: The MD Anderson Cancer Center experience. *International Journal of Cancer*. <https://doi.org/10.1002/ijc.35090>
†co-first author
- Yang C-H, **Kwiatkowski E.**, Lee J. J., Lin R. (2024). REDOMA: Bayesian random-effects dose-optimization meta-analysis using spike-and-slab priors. *Statistics in Medicine*. <https://doi.org/10.1002/sim.10107>
- 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., Alshawwa, 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. (2019a). 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. (2019b). Understanding positive child health. *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*, 8(6), e12774–e12774. <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

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

- Incorporating External Data in Bayesian Clinical Trial Design Using Posterior Predictive Checks. *International Chinese Statistics Association 2025 Applied Statistics Symposium*. June 17, 2025. Storrs, CT.
- Case Weighted Power Priors for Hybrid Control Analyses with Time-To-Event Data. *Conference of Texas Statisticians*. March 29, 2025. The Woodlands, TX.
- Case Weighted Power Priors for Hybrid Control Analyses with Time-To-Event Data. *CFE-CMStatistics*. December 15, 2024. London, England.
- Incorporating External Data in Bayesian Clinical Trial Design Using Posterior Predictive Checks. *University of Bath*. December 10, 2024. Bath, England.
- Incorporating External Data in Bayesian Clinical Trial Design Using Posterior Predictive Checks. *Virginia Commonwealth University*. October 4, 2024. Richmond, VA.
- 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

- A Robust Empirical Balancing Prior for Information Integration in Platform Trials. *Joint Statistical Meetings*. August 4, 2024. Portland, OR.
- Bayesian Random-Effects Meta-Analysis Using Spike-and-slab Priors for Dose Optimization. *Society for Clinical Trials Annual Meeting*. May 20, 2024. Boston, MA.
- 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

Full Course Instruction

- **University of Texas Health Science Center at Houston**
PH 1830 – Categorical Data Analysis
Houston, TX
Fall/Spring 2025

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**
Sphere Packings and Coverings – Jefferson County Campus Visit
Denver, CO
Fall 2013

Dissertation Advising

- Chengyuan Yang (2024 -)
- Jooyeon Lee (2024 -)

- Hao Yan (2025 -)

Journal Referee

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

Service

- **Houston Area Chapter of the American Statistical Association** **Houston, TX**
 President 2025
 President Elect 2024
- **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

Skills

- R, SAS, STATA, MATLAB, WinBUGS, STAN, Python, AMPL, UNIX, REDCap, MS Excel, MS Access