

# Kehao Zhu

---

Seattle, WA 98107  
(206)-734-7978  
zhukehao@uw.edu

## EDUCATION

PhD Student in Biostatistics  
University of Washington, Seattle, WA, September 2020 - present

Master of Science in Biostatistics  
University of Washington, Seattle, WA, December 2016  
Thesis: Tree-based Ensemble Methods for Individualized Treatment Rules

Bachelor of Science, Statistics & Biology  
Purdue University, West Lafayette, IN, May 2014  
• Graduated with Highest Distinction

Bachelor of Science, Biological Sciences  
China Agricultural University, Beijing, China, July 2014  
(A dual degree awarded jointly with B.S. from Purdue)

## RESEARCH & PROFESSIONAL EXPERIENCE

*Statistical Research Associate III* Mar. 2020 - present  
*Statistical Research Associate II* Mar. 2019 - Mar. 2020

Fred Hutchinson Cancer Research Center, Seattle  
• Worked as a statistician on the Canary Prostate Cancer Active Surveillance Study

*Project Director / Principal Biostatistician* Dec. 2018 - Mar. 2019  
*Senior Biostatistician* Jun. 2018 - Dec. 2018  
*Biostatistician* Nov. 2016 - Jun. 2018

Axio Research, LLC, Seattle  
• Provided statistical, report programming and project management support to late phase clinical trials

*Graduate Research Assistant* Aug. 2015 - Dec. 2016  
Harborview Medical Center, Seattle  
• Provided statistical consulting for Dr. Anita Afzali's research group

*Summer Research Project* Jun. 2015 - Sep. 2015  
Department of Biostatistics, University of Washington, Seattle  
Advisor: Dr. Kathleen Kerr  
• Examined various applications of risk models / biomarkers in clinical practices

*Graduate Research Assistant* Oct. 2014 - Jun. 2015  
Department of Psychiatry and Behavioral Sciences, University of Washington, Seattle  
• Managed a large disease registry database

*Undergraduate Research Assistant* Jan. 2013 - May 2014  
College of Engineering, Purdue University  
• Constructed and compared predictive models based on the Healthcare Cost and Utilization Project (HCUP) data for the 30-day hospital readmission risk

## PUBLICATIONS

- Cooperberg, M.R., Zheng, Y., Faino, A.V., Newcomb, L.F., **Zhu, K.**, ..., Lin, D.W. (2020) Tailoring Intensity of Active Surveillance for Low-Risk Prostate Cancer Based on Individualized Prediction of Risk Stability. *JAMA Oncol* 6(10):e203187
- Schenk, J.M., Newcomb, L.F., Zheng, Y., Faino, A.V., **Zhu, K.**, ... , Lin D.W. (2020) African American Race is Not Associated with Risk of Reclassification during Active Surveillance: Results from the Canary Prostate Cancer Active Surveillance Study (PASS). *J. Urol* 203(4), 727-733.
- **Zhu, K.**, Huang, Y., Zhou, X.-H. (2018). Tree-based ensemble methods for individualized treatment rules. *Biostatistics & Epidemiology*, 2 (1), 61-83.
- Kerr, K. F., Roth, J., **Zhu, K.**, Thiessen-Philbrook, H., Meisner, A., Wilson, F. P., . . . Parikh, C. R. (2017). Evaluating biomarkers for prognostic enrichment of clinical trials. *Clinical Trials*, 14 (6), 629-638.
- Afzali, A., Park, C. J., **Zhu, K.**, Hu, J. K., Sharma, P., Sinanan, M. N., Lee, S. D. (2016). Preoperative use of methotrexate and the risk of early postoperative complications in patients with inflammatory bowel disease. *Inflammatory bowel diseases*, 22 (8), 1887-1895.
- Kerr, K. F., Brown, M. D., **Zhu, K.**, Janes, H. (2016). Assessing the clinical impact of risk prediction models with decision curves: guidance for correct interpretation and appropriate use. *Journal of Clinical Oncology*, 34 (21), 2534.
- **Zhu, K.**, Lou, Z., Zhou, J., Ballester, N., Kong, N., Parikh, P. (2015). Predicting 30-day hospital readmission with publicly available administrative database. *Methods of information in medicine*, 54 (06), 560-567.

## PRESENTATIONS

- **Zhu, K.** Evolving Practices of Results Reporting in ClinicalTrials.gov. Society of Clinical Trials Annual Meeting. May 2019, New Orleans, LA
- **Zhu, K.** Characteristics and Trends of Industry Sponsored Clinical Trials with a DMC — Insights from ClinicalTrials.gov. Society of Clinical Trials Annual Meeting. May 2018, Portland, OR
- **Zhu, K.** Some methods of deriving individual treatment rules based on data from randomized clinical trials. Randomized Clinical Trial Working Group. January 2016, University of Washington, Seattle, WA.
- **Zhu, K.**, Kerr, K. Risk Models in Prognostic Enrichment Trials. University of Washington Biostatistics Department Retreat. September 2015, Blaine, WA. (Poster)

## AWARDS & CERTIFICATIONS

- Travel grant to an undergraduate modeling workshop at Statistical and Applied Mathematical Sciences Institute (SAMSI), North Carolina
- Fesenmyer Scholarship, Purdue University
- Discovery Park Undergraduate Research Scholarship, Purdue University
- SAS Certified Base & Advanced Programmer for SAS 9

## COMPUTER SKILLS

Proficient in: R  
Experience in: SQL, Python, SAS, L<sup>A</sup>T<sub>E</sub>X, STATA, C++ and Unix environment