Hannah Waddel Last update: November 29, 2022

Contact

Department of Biostatistics and Bioinformatics Homepage: https://hbwddl.github.io/

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EDUCATION

Emory University, Atlanta, GA

2018–2024 (expected)

- Ph.D. Biostatistics
- Advisors: Dr. Max Lau, Dr. Lance Waller

Emory University, Atlanta, GA

2021

• M.S. Biostatistics

University of Utah, Salt Lake City, Utah.

2018

• B.S. Mathematics. Summa Cum Laude

PUBLICATIONS

- 1. F Akbik, **H Waddel**, B Jaja, R Macdonald, R Moore, O Samuels, O Sadan. "Nicardipine Prolonged Release Implants For Prevention of Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage: A meta-analysis". *Journal of Stroke and Cerebrovascular Diseases*, 2021. PubMed
- 2. O Sadan, **H Waddel**, R Moore, C Feng, Y Mei, D Pearce, J Kraft, C Pimentel, S Mathew, F Akbik, P Ameli, A Taylor, L Danyluk, K Martin, K Garner, J Kolenda, A Pujari, W Asbury, V Jaja, R L Macdonald, M Cawley, D Barrow, and O Samuels. "Intrathecal Nicardipine for Cerebral Vasospasm Post Subarachnoid Hemorrhage—a Retrospective Propensity-Based Analysis", *Journal of Neurosurgery*, 2021. PubMed
- 3. B Nadel, D Lopez, D Montoya, **H Waddel**, M Khan, and M Pellegrini. "Gene Expression Deconvolution Interactive Tool (GEDIT): Accurate Cell Type Quantification from Gene Expression Data". *Gigascience*, 2021. PubMed

Presentations

National Conference on Undergraduate Research

Boston "The Community Foology of the Music Congn"

2018

Poster, "The Community Ecology of the Music Canon"

• Utah Conference of Undergraduate Research Poster, "The Community Ecology of the Music Canon" 2018

Poster, "The Community Ecology of the Music Canon"

• Bruins in Genomics Summer Research Experience

• Utah Conference of Undergraduate Research

2017

2016

Poster, "Evaluating the Efficiency of Single-Cell Data in Cell-Type Deconvolution"

Poster, "Transcription Factor Interactions in Developing Hair Cells"

RESEARCH EXPERIENCE • Fred Adler Lab 2017–2018

Department of Mathematics and Department of Biology, University of Utah Project: "The Community Ecology of the Music Canon"

• Bruins in Genomics Summer Research Experience 2017 Institute for Quantitative and Computational Biology; University of California, Los Angeles

• Arminda Suli Lab

2014-2016

Department of Physiology and Developmental Biology, Brigham Young University Projects: "Sensory Integration in Zebrafish Larvae", "Transcription Factor Interactions in Developing Hair Cells"

| RESEARCH GRANTS | • Independent Research Experience Undergraduate Grant (\$1,000) Department of Mathematics and Department of Biology, University of Utah Title: "The Community Ecology of the Music Canon" | 2018 | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|
| | • Independent Research Experience Undergraduate Grant (\$2,000) Department of Mathematics and Department of Biology, University of Utah Title: "The Community Ecology of the Music Canon" | 2017 | |
| | • ORCA Undergraduate Student Mentoring Grant (\$1,500) Office of Research and Creative Activities, Brigham Young University Title: "Transcription Factor Interactions in Developing Hair Cells" | 2016 | |
| | • ORCA Undergraduate Student Mentoring Grant (\$1,500) Office of Research and Creative Activities, Brigham Young University Title: "Sensory Integration in Zebrafish Larvae" | 2015 | |
| Work Experience | • Biostatistics Collaboration Core Department of Biostatistics and Bioinformatics, Emory University | 2019-Present | |
| | \circ Provided statistical consulting and collaboration services for researchers at Emory University | | |
| | • Actuarial Intern Willis Towers Watson, Denver, Colorado | 2016 | |
| | Used proprietary software and programming language to calculate expected yearly payments to companies' pension plans Completed project recommending more accurate pension mortality assumptions to an international company with over 14,000 employees in their pension plan | | |
| TEACHING | • Instructor, Statistical Methods I Lab (BIOS 500L) | Fall 2020 | |
| | • Co-Instructor, Intro to Epidemiology and Biostatistics (HGC 707) | Fall 2022 | |
| | • Teaching Assistant , Biostatistical Methods II (BIOS 591P) Spring 2020, Spring 2021, Spring 2022 | | |
| | • Teaching Assistant, Statistical Methods I Lab (BIOS 500L) | Fall 2019 | |
| | • Teaching Assistant, Statistical Practice I (BIOS 580) | Fall 2022 | |
| SERVICE | • Archival Volunteer Computer Museum of America | 2021-Present | |
| | • Graduate Student Network executive committee National Institute of Statistical Sciences (NISS) | 2020-Present | |
| | Founding member of the NISS Graduate Student Network Our mission is to support the graduate students at NISS-affiliated academic departments throughout their graduate programs and in their early career Planned bi-monthly events to support this mission including webinars, panels, and socials Organized virtual conferences in 2021 and 2022 for graduate students at all stages of their degree to present research | | |
| | • Student Council Representative Department of Biostatistics and Bioinformatics, Emory University | 2019-2022 | |
| | COVID-19 Geospatial support Georgia Department of Public Health Assisted GDPH with their goals of assessing impacts of COVID lockdowns | 2020 in Georgia | |
| Honors and Awards | • Scholarship Summer Institute in Statistics and Modeling in Infectious Disease, U. of Washi | 2022 | |
| | Laney Graduate Fellowship Laney Graduate School Emory University | 2018 | |

Laney Graduate School, Emory University

Department of Mathematics, University of Utah

• Gibson Senior Award

2018

| | • Emeritus Librarian Scholarship J. Willard Marriott Library, University of Utah | 2017 |
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| | • Pi Mu Epsilon Mathematics Honor Society Department of Mathematics, University of Utah | 2017 |
| | • Phi Kappa Phi Honor Society Brigham Young University | 2013 |
| | • Heritage Scholarship Brigham Young University | 2013 |
| | • National Merit Scholarship Finalist | 2013 |
| OTHER | • Society of Actuaries Exam P (Probability) | 2016 |