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Contact

Department of Biostatistics and Bioinformatics

Emory University 1518 Clifton Rd NE Atlanta, GA 30322

Homepage:https://hbwddl.github.io/ Linkedin: linkedin.com/in/hannah-b-waddel/ ⊠ E-mail:hannah.b.waddel@emory.edu

**EDUCATION** 

Emory University, Atlanta, GA

2018–2023 (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. (Accepted)
- 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.
- 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. Full Text

## **PRESENTATIONS**

• National Conference on Undergraduate Research

2018

Poster, "The Community Ecology of the Music Canon"

• Utah Conference of Undergraduate Research

2018

Poster, "The Community Ecology of the Music Canon"

• Utah Conference of Undergraduate Research

2017

- Bruins in Genomics Summer Research Experience Poster, "Evaluating the Efficiency of Single-Cell Data in Cell-Type Deconvolution"
- Poster, "Transcription Factor Interactions in Developing Hair Cells"

2016

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

2014-2016 • Arminda Suli Lab

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
	• Willis Towers Watson, Denver, Colorado Actuarial Intern	2016
	<ul> <li>Used proprietary software and programming language to calculate expected yearly payments to companies' pension plans</li> <li>Completed project recommending more accurate pension mortality assumptions to an inter-</li> </ul>	
	national company with over 14,000 employees in their pension plan	
TEACHING	• Instructor, Statistical Methods I Lab (BIOS 500L)	Fall 2020
	• Teaching Assistant, Biostatistical Methods II (BIOS 591P) Spring 2020, Spring 2021, Spring 2022	
	• Teaching Assistant, Statistical Methods I Lab (BIOS 500L)	Fall 2019
SERVICE	• Archival Volunteer Computer Museum of America	2021-Present
	• Graduate Student Network planning committee National Institute of Statistical Sciences (NISS)	2020-Present
	• Student Council Representative Department of Biostatistics and Bioinformatics, Emory University	2019-Present
	• COVID-19 Geospatial support Georgia Department of Public Health	2020
Honors and Awards	• Laney Graduate Fellowship Laney Graduate School, Emory University	2018
	• Gibson Senior Award Department of Mathematics, University of Utah	2018
	• Emeritus Librarian Scholarship J. Willard Marriott Library, University of Utah	2017
	• 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