

Cody A Dailey



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Education

In-progress	PhD	University of Georgia (UGA) Under the supervision of Justin Bahl, PhD Department of Epidemiology and Biostatistics Concentration in Data Analysis and Modeling
2017	MPH	UGA Department of Epidemiology and Biostatistics Dual Degree, Concentrations in Biostatistics and Epidemiology
2015	BS	UGA Franklin College of Arts and Science Biology, minor in French

Funding

2021	Research Assistantship Principal Investigator: Andreas Handel, PhD Department of Epidemiology and Biostatistics, UGA
2020-2021	Research Assistantship Principal Investigator: Karen E Watkins, PhD Department of Lifelong Education, Administration & Policy, UGA Partnership among UGA, Geneva Learning Foundation, World Health Organization, and Bill & Melinda Gates Foundation
2016-2018 & 2020-2021	Teaching Assistantship Department of Epidemiology and Biostatistics, UGA
2018-2020	Interdisciplinary Disease Ecology Across Scales (IDEAS) National Science Foundation (NSF) Research Traineeship (NRT) Program Director: Vanessa Ezenwa, PhD Odum School of Ecology, UGA Grant No. DGE-1545433

Teaching Experience

2021	Teaching Assistant - Environmental and Occupational Epidemiology // EPID8070
2020	Teaching Assistant - Infectious Disease Epidemiology: A Model-based Approach // EPID8510E
2019	Graduate Instructor & Tutor - Introduction to Epidemiology I // EPID7010/E
2019	Workshop Instructor - SAS and R: A Programming Primer

2018-2019	Undergraduate Instructor – Fundamentals of Epidemiology // EPID4070
2016-2018	Teaching Assistant – Fundamentals of Epidemiology // EPID4070
2017	Teaching Assistant – Introduction to Epidemiology I // EPID7010

Professional Experience

2020	<p>Intern; French National Institute of Research for Sustainable Development (Institut de recherche pour le développement)</p> <p>Under the supervision of research director Benjamin Roche in the MIVEGEC group (Maladies Infectieuses et Vecteurs: Ecologie, Génétique, Evolution et Contrôle)</p> <p>Analyzed data from the PANIC (PATHogènes Niches et Contrôle) which aimed to describe the ecological niche of <i>Plasmodium falciparum</i> in Burkina Faso; will develop mechanistic models for the estimation of infection incidence and the effects of antimalarial interventions, particularly bed net usage and reminders, to the end of exploring optimal intervention strategies</p>
2018-2019	Collaboration with Manager of Statistical Modeling and Analytics, Piedmont Healthcare
2017	<p>Intern; Piedmont Athens Regional Medical Center</p> <p>Under the supervision of the Quality Performance and Improvement Manager</p> <p>Designed, applied, and evaluated predictive models for Emergency Room patient admission; explored burden and recommended intervention efforts for heart failure readmission in the development of a heart failure unit.</p>
2016	<p>Intern; Piedmont Athens Regional Medical Center</p> <p>Under the supervision of the Infection Prevention Manager</p> <p>Developed, implemented, and evaluated Safe Zone program (procedure for limited-entry to isolation patient rooms); constructed isolation precautions policies; updated FAQs and At-home Instructions for common afflictions.</p>

Professional Training

2018-2020	<p>IDEAS NRT Program</p> <p>Odum School of Ecology, UGA</p> <p>Emphasis on interdisciplinary, across scale work; coursework included: Responsible Conduct of Research // GRSC8550; Population Biology of Infectious Diseases // ECOL6150; Fundamentals of Disease Biology // ECOL8510; Interdisciplinary Problem-solving in Infectious Disease Ecology // ECOL8530</p>
2019	Eukaryotic Pathogen Database Resources (EuPathDB) Workshop Participant, UGA
2019	Introduction to Scientific Programming Workshop Participant, IDEAS
2019	Modeling Infectious Diseases Workshop Participant, IDEAS
2019	Communicating Science to Journalists and News Media Workshop Participant, IDEAS
2018	Communicating Science to Policymakers Workshop Participant, IDEAS
2017	Modeling Immunology to Influenza Infection Summer School Trainee, Emory University

Publications

4. Huber L, Giguère S, Hart KA, Slovis NM, Greiter ME, **Dailey CA**, Cohen ND. Association between antimicrobial treatment of subclinical pneumonia in foals and selection of macrolide- and rifampicin-resistant *Rhodococcus equi* strains at horse-breeding farms in central Kentucky Journal of the American Veterinary Medical Association 258(6):648-653 15 Mar 2021
3. Álvarez-Narváez S, Giguère S, Berghaus LJ, **Dailey C**, Vázquez-Boland JA. Horizontal Spread of *Rhodococcus equi* Macrolide Resistance Plasmid pRErm46 across Environmental Actinobacteria. Appl Environ Microbiol. 2020;86(9):e00108-20. Published 2020 Apr 17. doi:10.1128/AEM.00108-20
2. Thompson JM, Eick SM, **Dailey C**, et al. Relationship Between Pregnancy-Associated Malaria and Adverse Pregnancy Outcomes: a Systematic Review and Meta-Analysis. J Trop Pediatr. 2020;66(3):327-338. doi:10.1093/tropej/fmz068
1. Huang K, Chen J, Xu R, et al. Molecular evolution of hepatitis C virus in China: A nationwide study. Virology. 2018;516:210-218. doi:10.1016/j.virol.2018.01.015

Presentations

2. **Dailey C** and Bahl J. Genetic diversity of malaria according to surveillance strategy and study design. EPIDEMICS 7 / 7th International Conference on Infectious Disease Dynamics. Charleston, SC, USA. 6 Dec 2019.
1. Royster C, **Dailey C**, Parvathi A, Adams L, Rush L, Cai X, Zhang M. A 17-Year Overview of the Opioid Epidemic in Georgia. UGA Interdisciplinary Opioid Epidemic Symposium. 15 Oct 2018

Mentoring

2019-Present	PhD Student Mentor; Practice, Research, and Mentorship in Epidemiology (PRIME) working group Act as group leader to undergraduates interested in research activities; facilitate research study design, implementation, analysis, and dissemination
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Service

2019-Present	Social and Service Chair, Graduate Scholars of Epidemiology and Biostatistics (GSEB) Student Organization Organized events including SAS and R: A Programming Primer Workshop, Holiday Cards for Hospice Patients, Charity 5K to fund CPH Food Pantry, Coffee for Cops Appreciation Effort
2019	Instructor of Infectious Diseases for Public Health Merit Badge, Boy Scouts of America Designed and instructed lectures and active learning modules to give a broad basis of infectious disease biology and epidemiology
2017-2018	Vice President in Epidemiology, Co-Founder, GSEB Founded student organization; organized events including Holiday Cards for Hospice Patients, Charity 5K to fund CPH Food Pantry, Coffee for Cops Appreciation Effort

Awards

2020	Ann & Tipton Golias International Travel Fund
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Media

2020

College of Public Health Student Profile

<https://publichealth.uga.edu/student-profile-cody-dailey/>

Complementary Skills

Languages:

- English (native)
- French (working knowledge; lu, écrit, parlé)