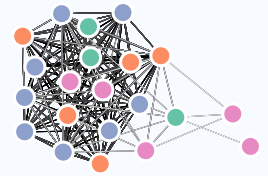


# DANIEL P RIGGINS, MD



## EDUCATION

- Current  
|  
2018
- **Categorical Pediatrics Residency**  
Indiana University School of Medicine  
📍 Indianapolis, IN

2018  
|  
2014

  - **Medical Doctorate**  
Albert Einstein College of Medicine  
📍 Bronx, NY

2012  
|  
2008

  - **Bachelor of Arts in Molecular Biology**  
Kenyon College  
📍 Gambier, OH

## HONORS AND AWARDS

- 2018
- **Edie Moore Student Travel Scholarship**  
Annual Meeting of the Society for Adolescent Health and Medicine

2018

  - **Distinction in Research in Clinical Investigation**  
Albert Einstein College of Medicine

2016

  - **Student Scholarship**  
Academic & Health Policy Conference on Correctional Health

2015

  - **Robert Bowen Brown Jr. Prize for Excellence in Biological Research**  
New York Academy of Medicine

2014

  - **Jeffrey Schulman Memorial Scholarship**  
Albert Einstein College of Medicine

2012

  - **High Honors on Research Thesis**  
Kenyon College

2012

  - **Robert Bowen Brown Jr. Prize for Excellence in Biological Research**  
Kenyon College

2011

  - **Distinction on Senior Compositions**  
Kenyon College

## RESEARCH PROJECTS

- 2018  
|  
Present
- **Road Injury Safety in Indianapolis**  
Indiana University School of Medicine  
📍 Indianapolis, IN
    - Mentors: [Randy Grout](#), [Sarah Wiehe](#), and [Tracey Wilkinson](#)
    - Role: Exploratory analyses
    - Output: [Blog posts](#)

## CONTACT

- ✉ [danriggi@iu.edu](mailto:danriggi@iu.edu)
- 🌐 [danielriggins.com](http://danielriggins.com)
- 🌐 [hallriggins.org](http://hallriggins.org)
- 🐦 [Twitter](#)
- 🏛️ [Orcid](#)
- 🐙 [Github](#)
- in [LinkedIn](#)
- 🔑 [Keybase](#)

View this CV online with links at  
[nickstrayer.me/datadrivencv/](http://nickstrayer.me/datadrivencv/)

Made with the R package  
[{pagedown}](#)

Source code available on [github](#)

Last updated on 2020-08-23

2017  
|  
2018



### Adolescent Enuresis

Albert Einstein College of Medicine

📍 Bronx, NY

- Mentor: [Jessica Rieder, M.D., M.S.](#), Associate Professor in Department of Pediatrics, who directs a weight management clinic for teens
- Role: Coordinated recruiting and performed data analysis for a survey investigating the rate of enuresis in the Montefiore teen population and related factors
- Output: Authorship on [poster](#)

2015  
|  
2016



### Incarceration and Buprenorphine Therapy

Albert Einstein College of Medicine

📍 Bronx, NY

- Mentor: [Aaron D. Fox, M.D.](#), Associate Professor in Department of General Internal Medicine, who directs a primary care clinic for people transitioning out of incarceration
- Role: Took lead on post-hoc analysis of a cohort of patients receiving integrated treatment for HIV and opioid use disorder. Our study asked how recent incarceration affects outcomes for buprenorphine replacement therapy
- Outputs: [Two presentations](#), first authorship on [journal publication](#), and research award from my medical school

2012  
|  
2014



### *Staphylococcal* Genetics

Food and Drug Administration, Center for Biologics Evaluation and Research

📍 Bethesda, MD

- Mentors: Roger D. Plaut, Ph.D. and [Scott Stibitz, Ph.D.](#), who directs a lab studying disease-causing bacteria for new vaccines and novel therapeutic approaches
- Role: As in [employment section](#)
- Outputs: Authorship on [two papers](#)

2008  
|  
2013



### Acid Survival of *E. coli*

Kenyon College

📍 Gambier, OH

- Mentor: [Joan L. Slonczewski, Ph.D.](#), Professor of Biology, who directs a lab researching bacterial genetics and physiology
- Role: Took lead on a project investigating how anaerobic conditions affect the acid survival response in *E. coli*
- Outputs: [Honors thesis](#), [poster presentation](#), [two papers](#) with first authorship on the second one, and research award from my undergraduate school



## JOURNAL PUBLICATIONS

2019



### *Corynebacterium pseudodiphtheriticum* Exploits *Staphylococcus aureus* Virulence Components in a Novel Polymicrobial Defense Strategy




mBio

- Hardy, B.L., Dickey, S.W., Plaut, R.D., Riggins, D.P., Stibitz, S., Otto, M., Merrell, D.S.
- DOI: [10.1128/mbio.02491-18](#)<sup>7</sup>

- 2017 ● **Staphylococcus aureus Epicutaneous Exposure Drives Skin Inflammation via IL-36-Mediated T Cell Responses**  
Cell Host & Microbe  
• Liu, H., Archer, N.K., Dillen, C.A., Wang, Y., Ashbaugh, A.G., Ortines, R.V., Kao, T., Lee, S.K., Cai, S.S., Miller, R.J., Marchitto, M.C., Zhang, E., Riggins, D.P., Plaut, R.D., Stibitz, S., Geha, R.S., Miller, L.S.  
• DOI: 10.1016/j.chom.2017.10.006<sup>2</sup>
- 2017 ● **Recent incarceration and buprenorphine maintenance treatment outcomes among human immunodeficiency virus-positive patients**  
Substance Abuse  
• Riggins, D.P., Cunningham, C.O., Ning, Y., & Fox, A.D.  
• DOI: 10.1080/08897077.2016.1220443<sup>3</sup>
- 2013 ● **Escherichia coli K-12 Survives Anaerobic Exposure at pH 2 without RpoS, Gad, or Hydrogenases, but Shows Sensitivity to Autoclaved Broth Products**  
PLoS ONE  
• Riggins, D.P., Narvaez, M.J., Martinez, K.A., Harden, M.M., & Slonczewski J.L.  
• DOI: 10.1371/journal.pone.0056796<sup>4</sup>
- 2010 ● **Hydrogenase-3 Contributes to Anaerobic Acid Resistance of Escherichia coli**  
PLoS ONE  
• Noguchi, K., Riggins, D.P., Eldahan, K.C., Kitko, R.D., & Slonczewski, J.L.  
• DOI: 10.1371/journal.pone.0010132<sup>5</sup>



## PRESENTATIONS

- 2019 ● **Obesity in Urban Youth: Connection to Enuresis (poster)**  
Pediatric Academic Societies Meeting  Baltimore, MD  
• Gross, M., Riggins, D.P., Sims, C., Foreman, O., Rieder, J.
- 2016 ● **The relationship between incarceration and retention in opioid maintenance treatment (slides)**  
9th Academic and Health Policy Conference on Correctional Health  Baltimore, MD  
• Riggins, D.P., Fox, A.D.
- 2015 ● **The relationship between incarceration and opioid addiction treatment (slides)**  
New York Academy of Medicine's Medical Student Forum  New York City, NY  
• Riggins, D.P., Fox, A.D.

- 2012 ● **pH Regulation Differs Under Low Oxygen Conditions in E. Coli (poster)**  
 112th General Meeting of the American Society for Microbiology  
 San Francisco, CA  
 • Riggins, D.P., Martinez, K, Slonczewski, J.L.
- 2012 ● **The Effects of Anoxic Conditions on the Extreme-Acid Survival of Escherichia coli (slides)**  
 Kenyon College Biology Honors Student Presentations  
 Gambier, OH  
 • Riggins, Slonczewski, J.L.



## EMPLOYMENT

- 2017  
|  
2017 ● **Cabin Counselor**  
 Zebra Crossings  
 Tuftonboro, NH  
 • Worked at Camp Spinnaker, a week-long overnight camp organized by Zebra Crossings for children ages 8-12 with asthma  
 • Directly supervised eight boys in activities including hikes, boating, ropes courses, asthma education, and self-reflection
- 2014  
|  
2012 ● **Postbaccalaureate Fellow**  
 Food and Drug Administration  
 Bethesda, MD  
 • Worked as research assistant in vaccine research laboratory  
 • Designed, cloned, and expressed several markerless insertion/deletion mutations in Staphylococcus  
 • Generated large pool of Staphylococcus mutants via transposon mutagenesis  
 • Developed prospective in vitro model of Staphylococcus/influenza co-infection in human lung cells
- 2012  
|  
2010 ● **Helpline Consultant**  
 Kenyon College, Library and Information Services  
 Gambier, OH  
 • Offered technical support for computer, software, audio/visual, and printing services
- 2010  
|  
2010 ● **Quality Control Intern**  
 Cook Pharmica  
 Bloomington, IN  
 • Worked as lab intern in quality control at a private pharmaceutical contractor  
 • Designed and implemented a verification study for measuring water content in pharmacological raw materials
- 2009  
|  
2009 ● **Summer Staff**  
 TEAMeffort  
 Eureka Springs, AR  
 • Worked as counselor and work site coordinator at rustic youth camp in Arkansas  
 • Guided visiting youth groups through basic home rehabilitation projects for low-income families



## EXTRACURRICULARS

2018  
|  
2020



### Wellness Chair

IUSM Pediatrics Resident Council

📍 Indianapolis, IN

- Coordinated improvements to resident workrooms like couches, lamps, mini-fridge, etc
- Advocated with hospital admin for a change in location of the resident workroom to a space with windows
- Coordinated wellness sessions during noon conference such as time with our dogs on the front lawn and a curriculum on spiritual care in medicine

2014  
|  
2016



### Board Member

Einstein Social Medicine Lecture Series

📍 Bronx, NY

- Coordinated lectures delivered by invited speakers on the following topics: healthcare for refugees, ethics of lethal injection, correctional health, and social implications of antimicrobial resistance

2014  
|  
2018



### Clinical Volunteer

Einstein Community Health Outreach Clinic

📍 Bronx, NY

- Completed 15 sessions at Einstein's student-run free clinic for uninsured/undocumented patients
- During clinical years (3-4), provided primary care encounters for patients, ran back-of-house operations like laboratory/consult follow-up, and coordinated clinical flow
- During pre-clinical years (1-2), performed chart review for information on quality measures as well as initial patient intake and triage

2014  
|  
2018



### Board Member

Einstein NICU Cuddling Club

📍 Bronx, NY

- Acted as board member for 2015-2016 academic year, coordinating training and scheduling for program volunteers
- Personally provided 16 hours of supportive human touch for neonates in the Montefiore neonatal intensive care unit

2012  
|  
2014



### Board Member

Health Education Outreach Program

📍 Bethesda, MD

- Personally taught over 10 health lessons at homeless shelters in the Maryland suburbs of Washington D.C.
- As board member, helped with recruiting, training, and development of [organization web site](#)
- As head teacher, coordinated scheduling, [wrote/edited content](#), and assigned responsibilities for a group of 5 teachers

2012  
|  
2015



### Educator and Gardener

Bronx, Obesity, Diabetes, and You (BODY)

📍 Bronx, NY

- Taught local elementary students how to plant seeds and transplant them into BODY-run community garden
- Maintained the garden over summer months. Harvested produce and shared it with local community members

2012  
|  
2014



### **Patient Ambassador**

Clinical Center at the National Institutes of Health

📍 Bethesda, MD

- In the radiology department, I transported people to imaging and back
- In the surgery department, I stocked operating rooms with supplies and transported patients to/from their procedures
- See a [brief feature](#) about volunteers including myself in the Clinical Center's newsletter

2012  
|  
2014



### **Dog Handler**

People and Animals Cardio Klub (PACK) of the Humane Rescue Alliance

📍 Washington, DC

- Picked up dogs from area shelters every Saturday morning and drove them to a meeting spot in Rock Creek National Park for a three-mile run
- Sustained exercise helped the dogs with general health as well as temperament during subsequent adoption events



## PROFESSIONAL SOCIETIES

2018  
|  
Present



### **American Academy of Pediatrics**

With sub-memberships in:

- Indiana Chapter of the AAP
- Council on Clinical Information Technology



## CODING COURSES



### **Coursera:**

Python for Everybody Specialization:

- Programming for Everybody
- Python Data Structures
- Using Python to Access Web Data
- Using Databases with Python

- **DataCamp:**

R:

- Introduction to R
- Intermediate R
- Introduction to the Tidyverse
- Data Manipulation with dplyr
- Interactive Maps with leaflet in R

Python:

- Introduction to Python
- Intermediate Python
- Streamlined Data Ingestion with pandas

SQL:

- Introduction to SQL

## PERSONAL INTERESTS

- **Bicycling**

For my commute, recreationally, and as an avenue for advocacy

- **Citizen Science**

Like the iNaturalist project

- **Gardening**

I have a rain garden that serves as pollinator habitat

- **Mapping**

Especially with the free OpenStreetMap project

- **Open Source**

Especially projects in the R language

## LINKS

- 1: <https://doi.org/10.1128/mbio.02491-18>
- 2: <https://doi.org/10.1016/j.chom.2017.10.006>
- 3: <https://doi.org/10.1080/08897077.2016.1220443>
- 4: <https://doi.org/10.1371/journal.pone.0056796>
- 5: <https://doi.org/10.1371/journal.pone.0010132>