

# DANIEL P RIGGINS, MD

Thank you for the opportunity to apply to Regenstrief Institute's Public & Population Health Informatics Fellowship! While making this CV, I used a few R packages under the hood to demonstrate my data manipulation abilities. Basically, I pulled records from the [Orcid](#) API, munged it into useable form, and fed it into a templating engine to generate the document you see here. Although this took a week's worth of after-hours time investment, it will be much easier to maintain my CV moving forward. Added benefits include staying consistent with my Orcid profile and being able to share either HTML or PDF format depending on the context. Please see this [Github repo](#) if you're curious about the underlying code.



## EDUCATION

- |                      |  |                    |
|----------------------|--|--------------------|
| Current<br> <br>2018 | ● <b>Categorical Pediatrics Residency</b><br>Indiana University School of Medicine | 📍 Indianapolis, IN |
| 2018<br> <br>2014    | ● <b>Medical Doctorate</b><br>Albert Einstein College of Medicine                  | 📍 Bronx, NY        |
| 2012<br> <br>2008    | ● <b>Bachelor of Arts in Molecular Biology</b><br>Kenyon College                   | 📍 Gambier, OH      |

## HONORS AND AWARDS

- |      |  |
|------|--|
| 2018 | ● <b>Edie Moore Student Travel Scholarship</b><br>Annual Meeting of the Society for Adolescent Health and Medicine |
| 2018 | ● <b>Distinction in Research in Clinical Investigation</b><br>Albert Einstein College of Medicine                  |
| 2016 | ● <b>Student Scholarship</b><br>Academic & Health Policy Conference on Correctional Health                         |
| 2015 | ● <b>Robert Bowen Brown Jr. Prize for Excellence in Biological Research</b><br>New York Academy of Medicine        |
| 2014 | ● <b>Jeffrey Schulman Memorial Scholarship</b><br>Albert Einstein College of Medicine                              |
| 2012 | ● <b>High Honors on Research Thesis</b><br>Kenyon College  |
| 2012 | ● <b>Robert Bowen Brown Jr. Prize for Excellence in Biological Research</b><br>Kenyon College                      |
| 2011 | ● <b>Distinction on Senior Compositions</b><br>Kenyon College  |

## CONTACT

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- 🏛️ [Orcid](#)
- 🐙 [Github](#)
- in [LinkedIn](#)
- 🔑 [Keybase](#)

View this [CV online](#)


Made with the R packages  
{[pagedown](#)}, {[datadrivencv](#)}, and  
{[rorcid](#)}

Source code available on [github](#)


Last updated on 2020-08-25

## RESEARCH PROJECTS


Present  
|  
2018

- **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](#)


2018  
|  
2017

- **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](#)


2016  
|  
2015

- **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

2014  
|  
2012

- ***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](#)

2013  
|  
2008

- **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

**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


**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



**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

- 2020  
|  
2018


**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
- 2016  
|  
2014


**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
- 2018  
|  
2014


**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
- 2018  
|  
2014


**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

2014  
|  
2012



### 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

2015  
|  
2012



### 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

2014  
|  
2012



### 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

2014  
|  
2012



### 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