

# DANIEL RIGGINS

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## EDUCATION

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### **Albert Einstein College of Medicine**

*Bronx, NY*

M.D. anticipated, May 2018

*August 2014 - Present*

### **Kenyon College**

*Gambier, OH*

Undergraduate Bachelor of Arts, *Cum laude*

Majored in Molecular Biology

*August 2008 - May 2012*

## HONORS AND AWARDS

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- Recipient of the Edie Moore Student Travel Scholarship to the 2018 Annual Meeting of the Society for Adolescent Health and Medicine. March 2018.
- Recipient of student scholarship to the 9th Academic Health Policy Conference on Correctional Health. March 2016.
- Recipient of the David E. Rogers Student Fellowship from the New York Academy of Medicine. August 2015.
- Recipient of the 4-year Jeffrey Schulman Memorial Scholarship at Albert Einstein College of Medicine. August 2014.
- Winner of the Kenyon College Robert Bowen Brown Jr. Prize for excellence in biological research. May 2012.
- Given high honors on oral defense of research thesis as well as distinction on senior compositional essays at Kenyon College. May 2012.

## EMPLOYMENT

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### **Zebra Crossings**

*Cabin counselor*

*August 2017*

*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.

### **Food and Drug Administration**

*Post-Baccalaureate Fellow*

*June 2012 - June 2014*

*Bethesda, MD*

- Worked as lab 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.

### **Kenyon College Library**

*Helpline Consultant*

*September 2010 - May 2012*

*Gambier, OH*

- Offered technical support for computer, software, audio/visual, and printing services.

**Cook Pharmica***Quality Control Intern*

May 2010 - August 2010

*Bloomington, IN*

- Worked as lab technician intern at private pharmaceutical contractor.
- Implemented a verification study for measuring water content in pharmacological raw materials.

**TEAMeffort***Summer Staff*

June 2009 - August 2009

*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 underprivileged families.

**RESEARCH PROJECTS**

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**Albert Einstein College of Medicine***Medical Student Researcher*

January 2015 - December 2016

*Bronx, NY*

- Research 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 into the community.
- Took lead on post hoc analysis of a cohort study of patients receiving integrated treatment for HIV and opioid use disorder. Our study asked how recent incarceration affects outcomes for buprenorphine replacement therapy.
- Presented slide shows to the New York Academy of Medicine and to the Academic and Health Policy Conference on Correctional Health with a fellowship and scholarship from each respective organization.
- Acted as first author for a paper in the journal *Substance Abuse*.

**Kenyon College***Undergraduate Researcher*

October 2008 - March 2013

*Gambier, OH*

- Research Mentor: Joan L. Slonczewski, Ph.D., Professor of Biology, who directs a lab researching bacterial genetics and physiology.
- Took lead on a project investigating how anaerobic conditions affect the acid survival response in *E. coli*.
- Presented findings with oral defense for honors research thesis and in a poster at the American Society for Microbiology.
- Acted as first author on a paper in the journal *PLoS One*.
- Project lead to award from college for excellence in biological research.

**EXTRA-CURRICULARS**

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**Einstein Community Health Outreach (ECHO) Free Clinic***Medical Student Volunteer*

September 2014 - Present

*Bronx, NY*

- Participated in Einstein's student-run free clinic for uninsured patients in the New York City tri-state area.
- 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 initial vitals and triage for patients as well as chart review for information on quality measures.

**Einstein NICU Cuddling Club***Board Member*

September 2014 - Present

*Bronx, NY*

- Provided supportive human touch for neonates in the Montefiore neonatal intensive care unit.
- Acted as board member for 2015-2016 season—coordinating training and scheduling for program volunteers.

## Einstein Social Medicine Lecture Series

Board Member

April 2015 - May 2016

Bronx, NY

- Personally 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.

## Health Education Outreach Program

Board Member

September 2012 - May 2014

Bethesda, MD

- Taught 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, led a group of 5 teachers visiting Carroll House in Silver Spring, MD on a biweekly basis. Coordinated scheduling, wrote/edited content, and assigned responsibilities for each lesson.

## PUBLICATIONS

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- 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. *Staphylococcus aureus* epicutaneous exposure drives skin inflammation via IL-36-induced IL-17-mediated T cell responses. *Cell Host & Microbe*. 2017. In press.
- Riggins D.P., Cunningham C.O., Ning Y., Fox A.D.. Recent incarceration and buprenorphine maintenance treatment outcomes among human immunodeficiency virus-positive patients. *Substance Abuse*. 2016, Aug; 11(1): 1-6.
- Riggins D.P., Narvaez M.J., Martinez K.A., Harden M.M., Slonczewski J.L. *Escherichia coli* K-12 survives anaerobic exposure at pH 2 without RpoS, Gad, or hydrogenases, but shows sensitivity to autoclaved broth products. *PLoS One*. 2013, Mar; 8(1): 3.
- Noguchi K., Riggins D.P., Eldahan K.C., Kitko R.D., Slonczewski J.L. Hydrogenase-3 contributes to anaerobic acid resistance of *Escherichia coli*. *PLoS One*. 2010, Apr; 12(5): 4.

## PRESENTATIONS

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- Riggins D.P. and Fox A.D. March, 2016. The Relationship between Recent Incarceration and Buprenorphine Maintenance Treatment. Oral Presentation presented at: 9th Academic and Health Policy Conference on Correctional Health; Baltimore, MD, USA.
- Riggins D.P. and Fox A.D. August, 2015. The Relationship between Incarceration and Opioid Addiction Treatment. Oral Presentation presented at: New York Academy of Medicine's Medical Student Forum; New York City, NY, USA.
- Riggins D.P., Martinez K.A., and Slonczewski J.L. June, 2012. pH Regulation Differs Under Low Oxygen Conditions in *E. Coli*. Poster presented at: 112th General Meeting of the American Society for Microbiology; San Francisco, CA, USA.
- Riggins D.P. May, 2012. The Effects of Anoxic Conditions on the Extreme-Acid Survival of *Escherichia coli*. Oral Presentation presented at: Kenyon College Biology Honors Student Presentations; Gambier, OH, USA.

## HOBBIES AND INTERESTS

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- Running: I ran varsity cross-country in high school and college, serving as captain in each respective senior year. I still regularly run around Pelham Bay Park near my school's campus.
- Poetry: I write poetry with publication of my pieces both in local presses and the teen magazine Cicada.
- Animals: I am a proud adopted dog-parent and enjoy volunteering at local Humane Societies.