

## EMILY MAE RENCOSK

248-880-3270 | emrencosk@gmail.com | www.emilyrencosk.com

### EDUCATION

---

#### Harvard Medical School; Massachusetts Institute of Technology

MD Candidate

- Health Sciences and Technology (HST) MD Program

**Boston, MA**

May 2025 (exp)

#### Harvard T.H. Chan School of Public Health

Ph.D. Population Health Sciences (Epidemiology)

- **Dissertation:** Racial disparities in the care of patients with advanced prostate cancer: An analysis of patient-reported outcome and experience measures
- **Interdisciplinary Concentration:** Public Health Leadership

**Boston, MA**

May 2023

#### Johns Hopkins University

B.S. Biomedical Engineering

- **Concentration:** Cell, Tissue, and Biomaterials Engineering
- **Additional Major:** Applied Mathematics and Statistics
- **GPA:** 3.91/4.0
- Graduated with General Honors & Departmental Honors in Biomedical Engineering

**Baltimore, MD**

May 2016

### RESEARCH EXPERIENCE

---

#### Harvard T.H. Chan School of Public Health, Department of Epidemiology

Graduate Research Assistant - Dr. Lorelei Mucci Group

- Investigated racial disparities in the care of patients with advanced prostate cancer (via quality of life, experience with the health care system, and the association between pain and survival)
- Served on the Diversity Working Group & Low- and Middle-Income Country Working Group of the International Registry for Men with Advanced Prostate Cancer

**Boston, MA**

Jan 2018 - May 2023

#### Poverty and Inequality Research Lab

Research Assistant - Metropolitan Baltimore Quadel Project

- Conducted in-depth sociological interviews of families to analyze effects of government-subsidized housing voucher program

**Baltimore, MD**

May - July 2016

#### Johns Hopkins University, Department of Immunology

Research Assistant - Dr. Christopher Gamper Lab

- Analyzed effect of DNA methylation on T cell differentiation for cancer immunotherapy applications

**Baltimore, MD**

May 2013 - May 2016

#### Cincinnati Children's Hospital, Division of Biomedical Informatics

Research Fellow - Dr. Bruce Aronow Lab

- Single-cell genomic analysis of postnatal murine neural and glial progenitor cells for lineage pattern determination

**Cincinnati, OH**

May - July 2015

## Trinity College Dublin, Centre for Bioengineering

Research Fellow - Dr. Daniel Kelly Lab

- 3D bioprinting of thermoplastic/hydrogel scaffold for articular cartilage repair
- Received Vredenburg Scholarship for full travel and research funding

Dublin, Ireland

May - July 2014

## EMPLOYMENT

---

### Vot-ER

Policy and Strategy Consultant

- Leading non-partisan policy efforts to strengthen the connecting between voting and health outcomes and integrate voter registration into the national health insurance exchange
- Conducting large-scale assessment of health professionals' experience with Vot-ER
- Directing long-term strategic planning efforts and goal-setting practices

Boston, MA

Feb 2022 - present

### Thread

Site Coordinator

- Coached senior volunteer leaders around working with other volunteers and connecting to resources in Baltimore
- Built programming for and drove attendance to Thread events

Baltimore, MD

Feb - June 2017

### Baltimore Corps

Cohort 3 Fellow

- Fellow placed in high-impact social change role in Baltimore City
- Participated in monthly race and equity programming

Baltimore, MD

June 2016 - Jan 2017

### University of Maryland, Baltimore CURE Scholars Program

Mentoring Specialist

- Recruited and trained mentors to work with underrepresented middle school scholars on STEM enrichment projects
- Developed ongoing cultural competency training for mentors

Baltimore, MD

June 2016 - Jan 2017

## COMMUNITY/LEADERSHIP EXPERIENCE

---

### Harvard-MIT HST Admissions Committee

Student Interviewer + Main Committee Member

- Conducted interviews of applicants to the MD program and attend sub-committee meetings to discuss applicants
- Supported development of final offer list through main committee meetings

Boston, MA

Aug 2019 - April 2023

### Future Doctors in Politics

Director of National Recruitment

- Recruited medical students across the country to join our movement for political and structural change on behalf of our patients
- Developed standardized processes for initial outreach, meeting agendas, and long-term follow-up

Boston, MA

Dec 2020 - July 2022

<p><b>Thread</b>  Grandparent, Innovation Fellow, and Hall of Fame Volunteer</p> <ul style="list-style-type: none"> <li>- Managed four volunteer teams supporting high school students in Baltimore City</li> <li>- Inducted into Volunteer Hall of Fame for 4+ years of exceptional service</li> </ul>	<p><b>Baltimore, MD</b>  Sept 2012 - July 2022</p>
<p><b>Vot-ER</b>  Civic Health Fellow</p> <ul style="list-style-type: none"> <li>- Part of inaugural cohort of fellows participating in civic health and community organizing training</li> <li>- Mobilized Massachusetts health professionals to integrate non-partisan voter registration into health settings</li> </ul>	<p><b>Boston, MA</b>  May 2021 - Feb 2022</p>
<p><b>Harvard Medical School Task Force Against Racism</b>  Executive Committee Member</p> <ul style="list-style-type: none"> <li>- Student representative on executive committee to identify ways that racism persists in the education of medical students</li> <li>- Additionally served on admissions and curriculum subcommittees</li> </ul>	<p><b>Boston, MA</b>  Aug 2020 - Apr 2021</p>
<p><b>HST MD Student Diversity Ambassadors</b>  Co-Founder, Student Representative</p> <ul style="list-style-type: none"> <li>- Increasing awareness of diversity-related issues in the HST MD Program</li> <li>- Developing diversity curriculum for first-year students</li> </ul>	<p><b>Boston, MA</b>  Jan 2018 - Jan 2021</p>
<p><b>Justice, Advocacy, and Activism in Medicine</b>  Co-Coordinator</p> <ul style="list-style-type: none"> <li>- Organized social justice pre-orientation weekend for incoming medical students focused on racial health disparities in Boston</li> </ul>	<p><b>Boston, MA</b>  March - Aug 2018</p>

## CLINICAL EXPERIENCE

---

<p><b>Primary Care Clerkship - Beth Israel Lahey Health</b>  Medical Student</p> <ul style="list-style-type: none"> <li>- Assisting with patient intake, histories and physical exams, and procedures at weekly clinic</li> </ul>	<p><b>Needham, MA</b>  Apr 2023 - present</p>
<p><b>Surgical Rotation - Brigham and Women's Hospital</b>  Medical Student</p> <ul style="list-style-type: none"> <li>- Assisted surgical oncology, pediatric, breast, and transplant surgeries as part of core medical school clinical rotations</li> </ul>	<p><b>Boston, MA</b>  Apr - June 2019</p>
<p><b>Mentored Clinical Casebook Project</b>  Medical Student</p> <ul style="list-style-type: none"> <li>- Followed a pediatric oncology patient and his family for a year, culminating in a comprehensive casebook report</li> </ul>	<p><b>Boston, MA</b>  Sept 2017 - Aug 2018</p>

- Crimson Care Collaborative - Massachusetts General Hospital** **Boston, MA**  
 Joint Social Services and Research Committee  
 Sept 2017 - May 2018
- Provided counseling and local references to patients with identified social service needs
- Global Brigades** **Tegucigalpa, HN**  
 President and Brigader  
 Sept 2012 - May 2017
- Planned and volunteered on three week-long medical/dental brigades to run a medical clinic for underserved population
  - Volunteered on two week-long public health brigades to build cement floors, eco-stove, and sanitation station for underserved families

## TEACHING EXPERIENCE

---

- Harvard T.H. Chan School of Public Health** **Boston, MA**  
 Teaching Fellow - Clinical Data Science: Design & Analytics II (Sept 2021 - April 2022)  
 Teaching Fellow - Comparative Effectiveness Research II (Sept 2021 - April 2022)  
 Teaching Fellow - Analytic Aspects of Clinical Epidemiology (July 2020, July 2021)
- Harvard Medical School** **Boston, MA**  
 Teaching Fellow - Introduction to Biostatistics (Aug 2021, Aug 2022)  
 Teaching Fellow - MATLAB & R for Medicine (Aug 2021, Aug 2022)
- Johns Hopkins University** **Baltimore, MD**  
 Teaching Assistant - Models & Simulations (Jan - May 2016)  
 Teaching Assistant - Molecules & Cells (Aug - Dec 2015)

## MENTORING EXPERIENCE

---

- Women in STEM Undergraduate Mentor, Harvard Sept 2017 - present
- Minority Association of Pre-Health Students Mentor, Northeastern Feb 2021 - 2022
- Undergraduate Mentor, American Physician Scientists Association Jan 2018 - 2019
- Biomedical Engineering Freshmen Mentor, Johns Hopkins Sept 2015 - May 2016

## PEER-REVIEWED PUBLICATIONS

---

**Rencsok EM**, Stopsack KH, Slopen N, Odedina FT, Ragin C, Nowak J, McSwain L, Manarite J, Heath E, George DJ, Kantoff PW, Vinson J, Villanti P, Haneuse S, Mucci LA. Experience with the US healthcare system for Black and White patients with advanced prostate cancer. Accepted for publication in *Cancer*.  
 - Accompanying editorial solicited by journal

Kaufman J, **Rencsok EM**, Haneuse S. Comment on: Chen et al. Trends and ethnic differences in stroke recurrence and mortality in a bi-ethnic population, 2000-2019: a novel application of an illness-death model. In press in *Annals of Epidemiology*.

Hansen M, Hamieh NM, Markt SC, Vaselkiv JB, Pernar CH, Gonzalez-Feliciano AG, Peisch S, Chowdhury-Paulino IM, **Rencsok EM**, Rebeck TR, Platz EA, Giovannucci EL, Wilson KM, Mucci LA. Racial disparities in prostate cancer: Evaluation of diet, lifestyle, family history, and screening patterns. *Cancer Epidemiol Biomark Prev*. 2022. DOI: 10.1158/1055-9965.epi-21-1064

Vaselkiv JB, Ceraolo C, Wilson KM, Pernar CH, **Rencsok EM**, Stopsack KH, Grob ST, Plym A, Giovannucci EL, Olumi AF, Kibel AS, Preston MA, Mucci LA. 5-alpha reductase inhibitors and prostate cancer mortality among men with regular access to screening and health care. *Cancer Epidemiol Biomark Prev*. 2022. DOI: 10.1158/1055-9965.epi-21-1234

McKay RR, Gold T, Zarif JC, Chowdhury-Paulino IM, Friedant A, Gerke T, Grant M, Hawthorne K, Heath E, Huang FW, Jackson M, Mahal B, Ogbeide O, Paich K, Ragin C, **Rencsok EM**, Simmons S, Yates C, Vinson J, Kantoff PW, George DJ, Mucci LA. Tackling diversity in prostate cancer clinical trials: A report from the diversity working group of the IRONMAN registry. *JCO Global Oncology*. 2021;7:495-505.

**Rencsok EM**, Bazzi L, McKay R, Huang F, Friedant A, Vinson J, Peisch S, Zarif JC, Simmons S, Hawthorne K, Villanti P, Kantoff P, Heath E, George D, Mucci LA. Diversity of participants in prostate cancer clinical trials: current status and future directions. *Cancer Epidemiol Biomark Prev*. 2020;29(7):1374-1380. PMID: 32503813

– Included in the 2022 Best of the AACR Journals Collection

Zhang Y, Zhou CK, **Rencsok EM**, Fall K, Lotan TL, Loda M, Giunchi F, Platz EA, De Marzo AM, Mucci LA, Fiorentino M, Ebot EM. A prospective study of intraprostatic inflammation, focal atrophy, and progression to lethal prostate cancer. *Cancer Epidemiol Biomark Prev*. 2019;28(12):2047-2054.

Daly AC, Critchley SE, **Rencsok EM**, Kelly DJ. A comparison of different bioinks for 3D bioprinting of fibrocartilage and hyaline cartilage. *Biofabrication*. 2016;8(4):045002.

– Included in the Biofabrication Highlights of 2016 Collection of most influential research published in the journal in 2016

## OTHER PUBLISHED WORK

---

The Harvard Crimson. 50 Successful Harvard Medical School Essays. New York City, St. Martin's Griffin, May 5 2020. MD/PhD application personal statement included.

Glowala G, Kim K, Nabel K, Plana D, **Rencsok E**. Medical Student COVID-19 Curriculum: Epidemiology Principles. Updated May 1 2020. Access URL: COVID Curriculum

**Rencsok E**. How Global Brigades Changed My View of Health Care. *Epidemic Proportions: The Johns Hopkins Undergraduate Public Health Research Journal*. 2016;13(1):36-41. Access URL: Epidemic Proportions

## CONFERENCE PRESENTATIONS & INVITED TALKS

---

Chen N, McGrath CB, Ericsson CI, Vaselkiv JB, Sodipo MO, **Rencsok EM**, Stopsack KH, George DJ, Autio KA, Rathkopf DE, Penney KL, Mucci LA. Marital status, living arrangement, and overall survival among individuals with advanced prostate cancer in the IRONMAN cohort. Poster presentation at the Annual AACR Meeting, Orlando FL, April 17, 2023.

**Rencsok EM**, Bhatia A, Martin AF. How grassroots organizing of health professionals can influence health policy. Invited lecture to HPM 247 Political Analysis and Strategy for U.S. Health Policy, Harvard T.H. Chan School of Public Health, Boston MA, February 8, 2023.

**Rencsok EM**, Sodipo M, Gerke T, Stopsack KH, Mucci LA. Racial disparities in prostate cancer mortality rates partially explained by differences in dietary and lifestyle factors. Poster presentation at the Annual AACR Meeting, New Orleans LA, April 10, 2022.

**Rencsok EM**, George DJ, Kantoff PW, Villanti P, Vinson J, Gerke TA, Hyslop T, Mucci LA. First look at patient-reported outcomes from IRONMAN, the international registry for men with advanced prostate cancer. Poster presentation at the ASCO Genitourinary Cancers Symposium, San Francisco CA, February 17, 2022.

George DJ, Mucci LA, Kantoff PW, Villanti P, Vinson J, Gerke T, Hyslop T, **Rencsok EM** on behalf of IRONMAN investigators. IRONMAN: The International Registry for Men with Advanced Prostate Cancer. Poster presentation at the ASCO Genitourinary Cancers Symposium, San Francisco CA, February 17, 2022.

**Rencsok EM**. Ensuring Diversity of Enrollment in Clinical Trials. Invited lecture to EN.580.111 Freshman Biomedical Engineering Course, Johns Hopkins University, Baltimore MD, November 5, 2020.

**Rencsok EM**, Ebot E, Gerke T, Creed J, Mucci LA. Muscarinic Stress Pathway Implicated in the Racial Disparities of Prostate Cancer. Poster presentation at the Soma Weiss Research Day, Harvard Medical School, Boston MA, March 12, 2019.

**Rencsok EM**. International Registry for Men with Advanced Prostate Cancer: Feasibility in Africa. Oral presentation at the Science of Global Prostate Cancer Disparities in Black Men Conference, University of Ilorin, Nigeria, November 8, 2018.

**Rencsok EM**, Bazzi L, Mucci LA. Diversity of Participants in Prostate Cancer Clinical Trials: Current Status and Future Directions. Poster presentation at the AACR Conference on the Science of Cancer Health Disparities, New Orleans LA, November 3, 2018.

**Rencsok EM**, Juarez AL, Wang Y, Aronow B, Lu Q. Single-Cell Transcriptome Analysis Implicates a Common Bipotent Oligo-Neural Progenitor for Oligodendrocytes and Neuroblasts in the Murine Postnatal Cortex. Poster presentation at end-of-summer research symposium, Cincinnati OH, July 31, 2015.

– Received Honorable Mention

Daly AC, Critchley SE, **Rencsok EM**, Kelly DJ. 3D Bioprinting of Spatially Graded PCL/Hydrogel Constructs for Cartilage Tissue Engineering. *Tissue Engineering Part A*. 2015;21(S1):187.

## HONORS AND AWARDS

---

- Nominated for Harvard Women in STEM Mentor of the Year Boston, 2020
- AACR Scholar-in-Training Award New Orleans, 2018
- Dr. David T. Yue Memorial Award for undergraduate teaching excellence Baltimore, 2016
- Richard J. Johns Award for academic excellence Baltimore, 2016
- Nominated for Student Employee of the Year for teaching excellence Baltimore, 2015
- Johns Hopkins University Dean's List all semesters

## FUNDING

---

- NIH/NCI F30 Fellowship - F30CA264965 2022 - 2025
- NIH Cancer Epidemiology Training Grant - T32CA009001 2019 - 2021
- Harvard Presidential Scholarship 2019 - 2020

## SKILLS & SCORES

---

- Computer skills - R, SAS, STATA, MATLAB, L<sup>A</sup>T<sub>E</sub>X
- General GRE - V: 163/170 (93rd percentile), Q: 167/170 (91st), W: 6/6 (99th)
- MCAT - Total: 34 (94th), PS: 12 (95th), BS: 11 (88th), VR: 11 (95th)
- USMLE Board Certification Exams - Step 1: 233