

EMILY MAE RENCOSK

EDUCATION

Harvard Medical School; Massachusetts Institute of Technology
M.D. Health Sciences & Technology (HST)

Boston, MA
May 2025

Harvard T.H. Chan School of Public Health
Ph.D. Population Health Sciences (Epidemiology)

Boston, MA
May 2023

- **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

Johns Hopkins University
B.S. Biomedical Engineering

Baltimore, MD
May 2016

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

CLINICAL TRAINING

Newton-Wellesley Hospital
Resident Physician - Transitional Year Internship

Newton, MA
June 2025 - present

RESEARCH EXPERIENCE

Harvard T.H. Chan School of Public Health, Department of Epidemiology
Graduate Research Assistant - Dr. Lorelei Mucci Group

Boston, MA
Jan 2018 - May 2023

- 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

Poverty and Inequality Research Lab
Research Assistant - Metropolitan Baltimore Quadel Project

Baltimore, MD
May - July 2016

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

Johns Hopkins University, Department of Immunology
Research Assistant - Dr. Christopher Gampert Lab

Baltimore, MD
May 2013 - May 2016

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

Cincinnati Children's Hospital, Division of Biomedical Informatics
Research Fellow - Dr. Bruce Aronow Lab

Cincinnati, OH
May - July 2015

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

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

Johns Hopkins Department of Biomedical Engineering

Design Team Member

- Development of transtibial prosthesis for developing countries
- Received Linda Trinh Memorial Award for design team excellence

Baltimore, MD

Dec 2012 - May 2013

EMPLOYMENT

Vot-ER

Policy and Strategy Consultant

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

Boston, MA

Feb 2022 - July 2023

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

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 - Apr 2023

Vot-ER

Civic Health Fellow

- Part of inaugural cohort of fellows participating in civic health and community organizing training
- Mobilized Massachusetts health professionals to integrate non-partisan voter registration into health settings

Boston, MA

May 2021 - Feb 2022

Harvard Medical School Task Force Against Racism

Executive Committee Member

Boston, MA

Aug 2020 - Apr 2021

- Student representative on executive committee to identify ways that racism persists in the education of medical students
- Additionally served on admissions and curriculum subcommittees

HST MD Student Diversity Ambassadors

Co-Founder, Student Representative

Boston, MA

Jan 2018 - Jan 2021

- Increased awareness of diversity-related issues in the HST MD Program
- Developed diversity curriculum for first-year students

Justice, Advocacy, and Activism in Medicine

Co-Coordinator

Boston, MA

March - Aug 2018

- Organized social justice pre-orientation weekend for incoming medical students focused on racial health disparities in Boston

Thread

Grandparent, Innovation Fellow, and Hall of Fame Volunteer

Baltimore, MD

Sept 2012 - Sept 2022

- Managed four volunteer teams supporting high school students in Baltimore City
- Inducted into Volunteer Hall of Fame for 4+ years of exceptional service

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

- Near Peer Principal Clinical Experience (PCE) Advisor, BIDMC Apr 2024 - May 2025
- Women in STEM Undergraduate Mentor, Harvard Sept 2017 - May 2025
- Minority Association of Pre-Health Students Mentor, Northeastern Feb 2021 - 2022
- Biomedical Engineering Freshmen Mentor, Johns Hopkins Sept 2015 - May 2016

PEER-REVIEWED PUBLICATIONS

Chen N, McGrath BM, Ericsson CI, Vasselkiv JB, **Rencsok EM**, Stopsack KH, Guard HE, Autio KA, Rathkopf DE, Enting D, Bitting RL, Mateo J, Githiaka CW, Chi KN, Cheng HH, Davis ID, Anderson SG, Badal SAM, Bjartell A, Russnes KM, Heath EI, Pomerantz MM, Henegan JC, Hyslop R, Esteban E, Omlin A, McDermott R, Fay AP, Popoola AA, Ragin C, Nowak J, Gerke T, Kantoff PW, George DJ, Penney KL, Mucci LA. Marital status, living arrangement, and survival among individuals with advanced prostate

cancer in the International Registry for Men with Advanced Prostate Cancer. *Cancer Epidemiol Biomark Prev.* 2024;33(3):419-425.

Rencsok EM, Slopen N, McManus HD, Autio KA, Morgans AK, McSwain L, Barata P, Cheng HH, Dreicer R, Gerke T, Green R, Heath EI, Howard LE, McKay RR, Nowak J, Pileggi S, Pomerantz MM, Rathkopf DE, Tagawa ST, Whang YE, Ragin C, Odedina FT, Kantoff PW, Vinson J, Villanti P, Haneuse S, Mucci LA, George DJ. Pain and its association with survival for Black and White individuals with advanced prostate cancer in the United States. *Cancer Res Commun.* 2024;4(1):55-64.

Rencsok EM, Slopen N, Autio K, Morgans A, McSwain L, Barata P, Cheng HH, Dreicer R, Heath E, McKay RR, Pomerantz M, Rathkopf D, Tagawa S, Whang YE, Ragin C, Odedina FT, George DJ, Kantoff PW, Vinson J, Villanti P, Haneuse S, Mucci LA. Quality of life in the year after new diagnosis with advanced prostate cancer for Black and White individuals living in the US. *Qual Life Res.* 2023;32(11):3209-3221.

Haneuse S, **Rencsok EM**, Kaufman JS. 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. *Annals of Epidemiol.* 2023;85:86-87.

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. *Cancer.* 2023;129(16):2532-2541.

Hansen M, Hamieh NM, Markt SC, Vasselkiv JB, Pernar CH, Gonzalez-Feliciano AG, Peisch S, Chowdhury-Paulino IM, **Rencsok EM**, Rebbeck 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;31(5):982-990.

Vasselkiv 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;31(7):1460-1465.

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.

– 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

POSTER PRESENTATIONS

Sodipo MO, Morgans AK, Warner ET, **Rencsok EM**, Howard LE, McGrath CB, Siefkas A, ..., Haneuse S, Mucci LA. First-line therapies and subjective cognitive function trajectories among international metastatic hormone-sensitive prostate cancer survivors. Poster presentation at the Annual AACR Meeting, Chicago IL, April 27, 2025. *Cancer Res.* 85(8_Supplement_1):3630.

Singh I, Vaselkiv B, **Rencsok EM**, Autio K, Enting D, Morgans A, Nowak J, Kensler K, Nanus D, Dreicer R, Lewis B, Sartor O, Heath E, Kantoff P, Kaye D, George D, Mucci L. Financial toxicity among patients with advanced prostate cancer in the United States. Poster presentation at the Annual AACR Meeting, San Diego CA, April 8, 2024. *Cancer Res.* 84(6_Supplement):3410.

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. *Cancer Res.* 83(7_Supplement):6489.

Rencsok EM, Sodipo M, Gerke T, Stopsack KH, Mucci LA. Racial disparities in prostate cancer mortality rates explained by differences in dietary and lifestyle factors. Poster presentation at the Annual AACR Meeting, New Orleans LA, April 10, 2022. *Cancer Res.* 82(12_Supplement):38.

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. *J Clin Oncol.* 40(6_suppl):69.

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. *J Clin Oncol.* 40(6_suppl):TPS190.

Mucci LA, Pernar CH, **Rencsok EM**, Stopsack KH, Grob S, Giovannucci EL, Olumi AF, Kibel AS, Preston MA, Wilson KM. 5-alpha reductase inhibitors (5-ARI) and prostate cancer mortality among men with regular access to screening and health care. Poster presentation at the ASCO Genitourinary Cancers Symposium, San Francisco CA, February 19, 2020. *J Clin Oncol.* 38(6_suppl):39.

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, 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. *Cancer Epidemiol Biomark Prev.* 29(6_Supplement_1):B022.

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.

INVITED TALKS

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. 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. 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.

HONORS AND AWARDS

- Gerald G. Foster award for student-faculty committee service Boston, 2025
- 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