Research on Tap
Health Data Science

Wednesday, November 29, 2023 | 4-6 PM | Kilachand Center

WELCOME

Gloria Waters	Vice President and Associate Provost for Research
Debbie Cheng	Professor, Biostatistics and Director, Population Health Data Science Program, SPH

PRESENTATIONS

Cloud Processing and Machine Learning for Local, National and Global Public Health Research
Kevin Lane, PhD, MA, Assistant Professor, Environmental Health, SPH

Modeling Health Behaviors using Social Network Data
Neha Gondal, PhD, Assistant Professor, Sociology, CAS

More Data, More Problems?
Jonathan Huggins, PhD, Assistant Professor, Mathematics & Statistics, CAS

Data Science to Guide Vaccine Policies & One Health Approach
Kayoko Shioda, PhD, DVM, MPH, Assistant Professor, Global Health, SPH

Statistical Methods for Complex Health Data
Shariq Mohammed, PhD, Assistant Professor, Biostatistics, SPH

Engineering Solutions to Brain Dysfunction
Archana Venkataraman, PhD, Associate Professor, Electrical & Computer Engineering, ENG

Pandemic Mitigation and Response Strategies
Diane Joseph-McCarthy, PhD, Executive Director, Bioengineering Technology & Entrepreneurship Center, Professor, Biomedical Engineering, ENG

Deciphering the Role of Cell Types (and States) in Disease
Pawel Przytycki, PhD, Assistant Professor, Computing & Data Sciences, CDS

Optimizing Value-Based Care for Health Equity
Heather Hsu, MD, MPH, Assistant Professor, Pediatrics, Chobanian & Avedisian School of Medicine

Causal Mediation Analysis and the Promise of a Potential COVID-19 Treatment
Judith J. Lok, PhD, Associate Professor, Mathematics & Statistics, CAS

Screening Tools for Dementia
Vijaya B. Kolachalama, PhD, FAHA, Associate Professor, Medicine, Chobanian & Avedisian School of Medicine

Seed Funding Opportunity

The Population Health Data Science Program in the BU School of Public Health is offering seed funding awards to event attendees, with the goal of advancing data-driven, interdisciplinary science in health and biomedicine. Faculty, research staff, and/or students who attend today's Research on Tap event are invited to apply for this seed funding opportunity by Wednesday, December 13.

Goal:

Facilitate new interdisciplinary collaborations with the School of Public Health to advance data-driven science in any health or biomedical topic. Projects will be funded at a maximum level of $5,000 for a 1-year period. The funds can be used to support Boston University graduate students, postdoctoral, and undergraduate students; research supplies, equipment, etc. They may not be used for publication fees, travel to conferences, faculty salaries, or indirect costs.

Eligibility:

Faculty, staff, and/or students who attended the Health Data Science Research on Tap event are welcome to submit an application in the role of PI. If the PI is a student or staff member (eg postdoc, research scientist, etc) then a faculty mentor/supervisor should be included as a member of the team. At least one member of the research team must be from the School of Public Health.

Proposal Requirements:

- Cover sheet that includes: i) the project title, ii) members of the research team and their affiliations, and iii) a brief abstract (maximum 200 words)
- Description of the background, specific aims, and approach (maximum one page)
- Budget and budget justification
- If selected, the lead investigator is required to present a poster summarizing the status of the proposed work during a Health Data Science poster session to be held on the BUMC campus in Fall 2024.

All proposals must be submitted by December 13, 2023. Priority will be given to proposals that are interdisciplinary in nature and with the highest potential for subsequent publication and/or submission of a competitive grant application.

See the Population Health Data Science website for more information and to submit an application:

sites.bu.edu/ph-datascience