

WORKSHOPS & LEARNING OBJECTIVES

October 12

Study Design and Hypothesis Formulation

Michael LaMonte, PhD, MPH

Research Professor, Dept. of Epidemiology and Environmental Health

- Review the basic features of the scientific method
- Understand the principle features of a research proposal
- Learn the role of the IRB and grant funding agencies in health sciences
- Tailor proposals to specific designs and funding mechanisms

October 19

Developing a Statistical Analysis Plan

Jeffrey Miecznikowski, PhD

Associate Professor, Dept. of Biostatistics

- Understand basic concepts about randomness and variability in data
- Assessing data with probability models and using statistics to summarize the data
- Understand how to make conclusions from probability models
- Interpret probability model conclusions into data knowledge

October 26

Sample Size and Power

Gregory Wilding, PhD

Professor & Chair, Dept. of Biostatistics

- Basic concepts underlying sample size and power calculations
- Present and justify sample size in manuscripts, protocols and grant applications
- Avoid common statistical pitfalls

November 2

Reading and Critiquing the Scientific Literature

Michael LaMonte, PhD, MPH

Research Professor

- Understand the basic steps in reviewing literature
- Be informed on the available data sources, their potential uses and limitations

EVENT SPONSORS:

UB Clinical and Translational Science Institute

- Biostatistics, Epidemiology and Research Design (BERD) Core
- Workforce Development (WFD) Core
- CTSI K Scholar Program



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CORE COMPETENCY WORKSHOP SERIES

BERD Research Bootcamp

The CTSI BERD Research Bootcamp mini-series encompasses the following core competencies: research design, statistical approaches, sample size and power, research question and literature critique.

Attendees will gain enhanced knowledge and skills related to formulating well-defined clinical and translational research questions and incorporating of regulatory precepts into the design of future basic and clinical studies and grant awards as well as analyzing data for publication in scientific journals. All sessions will feature faculty from UB's School of Public Health and Health Professions.

DATES: Tuesdays, October – November 2021

TIME: 4:00 – 6:00 PM

PLATFORM: Zoom

REGISTER NOW: <https://forms.gle/vbXWd66NBq7Gws1h7>

For more information, contact scholar1@buffalo.edu or (716) 829-6268



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