

Syllabus for VERITY/Brigham Course in Rheumatology Clinical Research

Please note that lecture topics, faculty, dates, and times are subject to change

Course co-directors: Daniel Solomon, MD, MPH; Jeffrey Sparks, MD, MMSc; Jeffrey Katz, MD, MSc; and Karen Costenbader, MD, MPH

Faculty: Elizabeth Karlson, MD, MS; Elena Losina, PhD; Nancy Shadick, MD, MPH; Katherine Liao, MD, MPH; Seoyoung Kim, MD, ScD; Yvonne Lee, MD, MMSc; Brian Feldman, MD; Tianxi Cai, PhD; Maura Iversen, DPT, ScD; Candace Feldman, MD, ScD; Peter Nigrovic, MD; Joseph Merola, MD, MMSc; Lindsey MacFarlane, MD, MPH; Sara Tedeschi, MD, MPH; Bing Lu, MD, DrPH, Jing Cui, MD, PhD; Jamie Collins, PhD; Adam Landman, MD; Michelle Frits, MS

Day	AM Courses		PM Workshops/Office Hours/Individual Work	
	Time	Title	Time	Title
Monday May 7, 2018	9:00	Clinical Research 101: Study Population, Measurements	1:30	Developing a Research Question
	9:45	Observational Study Design 101	3:00	Writing a Specific Aims Page
	10:30	Statistics 101: Measures of Association, Sample Size	4:00	Writing a Research Protocol
Tuesday May 8, 2018	9:00	Working with Large, Publicly Available Databases: OAI, NHIS	1:30	Statistics Workshop: Development of analytic plan; online sample size calculators
	9:45	Traditional Clinical Trial Design	3:00	Accessing the Methodology (Innovative Trial Design) Core
	10:30	Innovative Trial Design: Adaptive designs, Bayesian methodologies	4:00	Office Hours: Protocol/Specific Aims Development
Wednesday May 9, 2018	9:00	Systematic Reviews and Meta-Analyses	1:30	Effectively Communicating Research: The elevator pitch
	9:45	Comparative Effectiveness Research with Healthcare Databases and Propensity Scores	3:00	Writing Workshop: Small group review of protocols/specific aims
	10:30	Causal Inference: Bias and confounding	4:00	Writing Workshop: Small group review of protocols/specific aims (continued)
Thursday May 10, 2018	9:00	Bioinformatics: Defining Phenotypes in the Electronic Medical Record	1:30	Identifying and Accessing Institutional Resources
	9:45	Consortia and Biobanks for Biomarker Research	3:00	Accessing the Resource (Bioinformatics) Core
	10:30	Digital Health Platforms and Tools	4:00	Office Hours: Protocol/Specific Aims Development
Friday May 11, 2018	9:00	Patient-Centered Outcomes Research: Patient Engagement Panels and PROMs	1:30	Maximizing the Mentor-Mentee Relationship
	9:45	Behavioral Interventions/Economics	3:00	Office Hours: Protocol/Specific Aims Development
	10:30	Protection of Human Research Subjects	4:00	Office Hours: Protocol/Specific Aims Development
Saturday May 12, 2018	9:00	Participant presentations		
	9:45	Participant presentations		
	10:30	Participant presentations		