

2020 Virtual VERITY/Brigham Course in Rheumatology Clinical Research

Director: Jeffrey Sparks, MD, MMSc; **Co-Directors:** Daniel Solomon, MD, MPH; Jeffrey Katz, MD, MSc; Karen Costenbader, MD, MPH

Faculty: Katherine Liao, MD, MPH; Elena Losina, PhD; Peter Nigrovic, MD; Brian Feldman, MD; Ellen Gravallese, MD; Elizabeth Karlson, MD, MS;

Candace Feldman, MD, MPH, ScD; Marian Hannan, DSc, MPH; Jamie Collins, PhD; Seoyoung Kim, MD, ScD; Lindsey MacFarlane, MD, MPH;

Paul Monach, MD, PhD; Nancy Shadick, MD, MPH; Mary Beth Son, MD; Sara Tedeschi, MD, MPH; Kazuki Yoshida, MD, MPH, ScD; Tianrun Cai, MD

| Date | Morning sessions | | | Afternoon sessions | | |
|------------------------------------|------------------|---|---|--------------------|--|---|
| | Time* | Topic | Faculty | Time* | Topic | Faculty |
| Tuesday, May 12, 2020 | 10-10:15am | Introduction to the VERITY course | Daniel Solomon Jeffrey Sparks | 1-2 | Introduction to the Specific Aims page | Karen Costenbader |
| | 10:15-11 | Clinical research 101: Study design, measures, and confounding | Jeffrey Katz | 2-3 | Systematic reviews/meta-analyses | Daniel Solomon |
| | 11-12pm | Sample size and power calculation | Jamie Collins | 3-4 | Roadmap to a research career in rheumatology | Jeffrey Sparks |
| Wednesday, May 13, 2020 | 10-11am | Pharmacoepidemiology | Kazuki Yoshida Daniel Solomon | 1-2:30 | Project workshop mini-session (3 attendees with 2 faculty)** | |
| | 11-12pm | Q&A with journal editors: Pearls & pitfalls for getting your research published | Marian Hannan Jeffrey Katz Daniel Solomon | 2-3:30 | Project workshop mini-session (3 attendees with 2 faculty)** | |
| | | | | 3-4:30 | Project workshop mini-session (3 attendees with 2 faculty)** | |
| Thursday, May 14, 2020 | 10-11am | Maximizing the mentee-mentor relationship | Peter Nigrovic Jeffrey Sparks | 1-2 | Q&A: Grantsmanship tips for early investigators | Jeffrey Katz Elena Losina Jeffrey Sparks Candace Feldman |
| | 11-12pm | Adaptive clinical trial designs in rheumatology | Brian Feldman | 2-2:45 | Community and patient engagement in research | Elizabeth Karlson |
| | | | | 2:45-3:30 | Integrating biomarkers and genetics into clinical research studies | Mary Beth Son |
| | | | | 3:30-4 | Working with national disease registries | Ellen Gravallese |
| Friday, May 15, 2020 | 10-10:45am | Biomedical informatics using electronic health records | Katherine Liao | 1-4:30 | Attendee presentations | |
| | 10:45-11:15 | Basics of natural language processing | Tianrun Cai Katherine Liao | | | |
| | 11:15-12pm | Overview of machine learning approaches | Jamie Collins | | | |

Please note that **Wednesday afternoon (1PM-4:30PM ET)** and **Friday afternoon (1PM-4:30PM ET)** are for full course attendees only and not offered to the VERITY Research Community.

* Please note that all times listed are in Eastern Time.

** Each VERITY attendee participates in only one project workshop mini-session. These will consist of three VERITY course attendees and two VERITY faculty members. During this 1.5-hour session, faculty and attendees will provide feedback on the project document composed by the VERITY attendee.