## INTRODUCTION TO CLINICAL RESEARCH: INTENSIVE COURSE 2022

**COURSEPLUS OPENS**  
Students have access to online schedule and all pre-recorded lectures. Students should watch all pre-recorded lectures before course begins on July 11.

**PRE-TEST REQUIREMENT**  
Follow instructions in CoursePlus. Can be completed any time 9am – 5pm EST ONLY.

**ABSTRACT REQUIREMENT DUE VIA COURSEPLUS**  
Students submit abstracts via their courseplus dropbox. Instructions will be provided.

**POST-TEST**  
Follow instructions in CoursePlus. Can be completed any time Before 9:30 a.m.

### Monday, July 11

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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</table>
| 8:30-9:30 a.m. | Welcome  
Clinical and Translational Research: Expectations & Goals  
D. Ford |
| 9:35-10:35 a.m. | Defining the Research Question  
HC Ch. 1,2  
Review (1) Study Design; Cross-Sectional Studies (2) Measurement of Rates and Risks  
D. Ford |
| 10:45-11:45 a.m. | Review (1) Scientific Concept for Clinical Research  
(2) Intro to Statistical Inference  
(3) How to Make a Bad Plot  
S. Zeger |
| 11:50 a.m. 12:50 p.m. | Study Design: Case-Control Studies  
D. Ford |

**LUNCH 12:50 PM – 1:50 PM**

### Tuesday, July 12

<table>
<thead>
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<th>Time</th>
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</table>
| 8:30-9:30 a.m. | Review Confidence Intervals: Inference About One and Two Population Means (Proportions)- Part I & II  
N. Wang |
| 9:35-10:35 a.m. | Patient Reported Outcomes  
A. Wu |
| 10:45-11:45 a.m. | Study Design: Pilot Studies  
C. Flexner |
| 11:50 a.m. 12:50 p.m. | Study Designs for Assessing the Effects of Provider Trainings  
L. Stuart |

**LUNCH 12:50 PM – 1:50 PM**

### Wednesday, July 13

<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 8:30-9:30 a.m. | Study Design: Prospective Studies  
HC-Chapter 7  
S. Sozio |
| 9:35-10:35 a.m. | Review Choosing a Sample Size  
E. Miller |
| 10:45-11:45 a.m. | Linear Regression  
Generalized Linear Models  
Confounding and Effect Modification  
Survival Analysis – Getting Started  
Association, Prediction and Classification  
G. Yenokyan |
| 11:50 a.m. 12:50 p.m. | Ethical Issues in Clinical Research  
J. Sugarman |

**LUNCH 12:50 PM – 1:50 PM**

### Thursday, July 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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</table>
| 8:30-9:30 a.m. | Study Design: Clinical Trials – HC-Ch. 10  
E. Miller |
| 9:35-10:35 a.m. | Institutional Review Board  
M. Singleton |
| 10:45-11:45 a.m. | Managing Your Own Data  
A. Hackman |
| 11:50 a.m. 12:50 p.m. | Ethical Issues in Clinical Research  
J. Sugarman |

**LUNCH 12:50 PM – 1:50 PM**

### Friday, July 15

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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</table>
| 8:30-9:30 a.m. | Study Design: Prospective Studies  
HC-Chapter 7  
S. Sozio |
| 9:35-10:35 a.m. | Patient Reported Outcomes  
A. Wu |
| 10:45-11:45 a.m. | Study Design: Pilot Studies  
C. Flexner |
| 11:50 a.m. 12:50 p.m. | Study Designs for Assessing the Effects of Provider Trainings  
L. Stuart |
| 12:15 – 2:15 p.m. | Small Group Presentations  
1:50 – 4:50 p.m.  
G. Yenokyan |

### Notes

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- **ABSTRACT REQUIREMENT DUE VIA COURSEPLUS**  
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- **POST-TEST**  
  Follow instructions in CoursePlus. Can be completed any time Before 9:30 a.m.

- **BREAK 10:35 AM – 10:45 AM**

- **BREAK 11:45 AM – 12:15 PM**

- **LUNCH 12:50 PM – 1:50 PM**

- **SMALL GROUP PRESENTATIONS**  
  (3 hours)  
  12:15 – 2:15 p.m.

- **TEST REVIEW**  
  2:30 – 3:30 p.m.