Fundamentals of Medical Research and Scholarship
Monday and Tuesday, July 17–18, 2017

New College Building, 19th Floor Boardroom
245 N. 15th Street (15th & Vine)
Philadelphia, PA 19102

Presented by the Office of Faculty Affairs & Faculty Development

Program Director: Alan B. Zubrow, MD
Professor of Pediatrics

Register online at www2.drexelmed.edu/FMRS
Deadline to register: July 5, 2017

Questions? Please contact Michele Taylor at 215.762.4661 or mtaylor@drexelmed.edu

SIGN UP TODAY!
Fundamentals of Medical Research and Scholarship

TARGET AUDIENCE:
Residents, fellows and faculty at Drexel University College of Medicine

LEARNING OBJECTIVES:
At the end of the two-day Fundamentals of Medical Research and Scholarship workshop, attendees will be able to:

• Cite sources of institutional support available for research projects.
• Navigate the Drexel IRB resource page and describe requirements for investigator human research compliance and training required for human subject research.
• Create a testable hypothesis, demonstrate an appropriate research design and use key statistical methodologies to analyze results.
• Communicate results of a study in the form of a grant application, oral presentation or publication.
• Design high-impact quality improvement projects and apply the SQUIRE guidelines to draft a QI manuscript.
• Locate electronic and print materials in the Drexel University Libraries’ collection, and apply PubMed search engine and reference-management software to research projects.
• Articulate the importance of personal and professional development planning.

This activity is funded by the Office of Faculty Affairs & Faculty Development.

Program Agenda — Day 1
MONDAY, JULY 17, 2017

7:00 – 7:30  CONTINENTAL BREAKFAST

7:30 – 7:45  Opening Remarks
Alan Zubrow, MD

7:45 – 8:30  Development of a Successful Research Project: From Concept to Award
Kenny Simansky, PhD

8:30 – 9:30  Biostatistics I: Descriptive Statistics and Standard Errors
Edward J. Gracely, PhD

9:30 – 9:45  BREAK

9:45 – 10:45  Biostatistics II: Hypothesis Testing and Confidence Intervals
Edward J. Gracely, PhD

10:45 – 11:45  Introduction to Quality Improvement
David Cooperberg, MD

11:45 – 12:00  LUNCH

12:00 – 1:00  Effective Delivery of Oral Presentations
Neilanjan Nandi, MD

1:00 – 2:00  Quality Improvement – Applications
David Cooperberg, MD

2:00 – 2:45  Introduction to REDCap
Lauren May, MPH

2:45 – 3:00  BREAK

3:00 – 4:30  Key Considerations for Your Own Professional Development
Nancy Spector, MD

Program Agenda — Day 2
TUESDAY, JULY 18, 2017

7:30 – 7:45  CONTINENTAL BREAKFAST

7:50 – 8:25  Grant Writing Basics
Vineet Bhandari, MD

8:30 – 9:00  Navigating the IRB
Karen Skinner, MSN, RN, NHA

9:00 – 9:45  Manuscript Writing
Suzanne Boyle, MD

9:45 – 10:45  Biostatistics III: Power and Sample Size
Edward J. Gracely, PhD

10:45 – 10:55  BREAK

11:00 – 12:00  Biostatistics IV: Multivariate Statistics
Edward J. Gracely, PhD

12:00 – 12:30  LUNCH

12:35 – 2:15  Locating Bibliographic Literature Using PubMed
Library Computer Classroom 1208
1st Floor, New College Building
Abby Adamczyk, MLIS

2:15 – 2:30  BREAK

2:30 – 4:30  Using Bibliographic Software
Library Computer Classroom 1208
1st Floor, New College Building
Gary M. Childs, MS

SIGN UP TODAY!

Register online at www2.drexelmed.edu/FMRS

Deadline to register: July 5, 2017

Questions? Please contact Michele Taylor at 215.762.4661 or mtaylor@drexelmed.edu