Fundamentals of Medical Research

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 workshop, attendees will be able to:

- Summarize the components to a successful research project from concept to award.
- Create a testable hypothesis, demonstrate an appropriate research design and use key statistical methodologies to analyze.
- Demonstrate how to obtain regulatory approval and describe the importance of human research protections.
- Communicate results of a study in the form of a grant application, oral presentation or publication.

Accreditation Statement
Drexel University College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement: The Drexel University College of Medicine designates this live activity for a maximum of 15.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOA: This program is eligible for 15.5 credits in Category 2A of the American Osteopathic Association.

Faculty Disclosure Statement
It is the policy of Drexel University College of Medicine to ensure balance, independence, objectivity, and scientific rigor in all its sponsored educational programs. Speakers at continuing medical education activities are required to disclose to the audience any relevant commercial interest (which is any entity producing, marketing re-selling, or distributing health care goods or services consumed by, or used on, patients). Any conflicts of interest must be resolved prior to the presentation and announced to the audience. The intent of this disclosure is to allow participants to form their own judgments about the educational content of this activity and determine whether the speaker’s commercial interests influenced the presentation. In addition, speakers are required to openly disclose any off-label, experimental, or investigational use of drugs or devices discussed in their presentation.

Faculty Disclosure
Speaker disclosures will be acknowledged prior to the beginning of the activity.

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

Fundamentals of Medical Research

Tuesday and Wednesday, July 21–22, 2015
New College Building, Geary Auditorium B
245 N. 15th Street (15th & Vine)
Philadelphia, PA 19102

Presented by the Office of Faculty Affairs & Professional Development

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

This annual two-day seminar, now offering CME credit, provides attendees with an overview of the core knowledge and strategies needed to be successful in their scholarly research endeavors at the College of Medicine.

SPECIAL ADDITION: Thursday, July 23
Non-CME optional half-day:
Human Research Protection Training

SIGN UP TODAY!
Register online at drexelmed.edu/FMR2015
Deadline to register: July 6, 2015

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

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Program Agenda — Day 1

TUESDAY, JULY 21, 2015

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 Navigating the IRB
             John Medendorp, MS, BSN, RN, CIP
11:45 – 12:00 Grab your BOX LUNCH – Quick Break
12:00 – 1:00  Panel Discussion During Lunch
               Introduction to REDCap (Research Electronic Data Capture) and Data Warehousing
               Lauren May, MPH, Noreen Robertson, DMD, Stacey Trooskin, MD, Edgar Chou, MD, Greg Johnson, Walt Niemczura
1:00 – 2:00  Research Methodology
             Jay Horrow, MD
2:00 – 2:45  Grant Writing Basics
             Christopher Vinnard, MD, MPH
2:45 – 3:00  BREAK
3:00 – 4:30  Advanced PowerPoint – Library Computer Classroom 1208 1st Floor, NCB
             Arnold Smolen, PhD, George Zeiset

Program Agenda — Day 2

WEDNESDAY, JULY 22, 2015

7:30 – 7:45  CONTINENTAL BREAKFAST
7:50 – 8:25  Quality Improvement
             David Cooperberg, MD
8:30 – 9:00  Effective Delivery of Oral Presentations
             Neelanjnan Nandi, MD
9:00 – 9:45  Anatomy of a Paper: Manuscript Writing
             Suzanne Boyle, MD
9:45 – 10:45 Biostatistics III: Power and Sample Size
             Edward J. Gracely, PhD
10:45 – 11:00 BREAK
11:00 – 12:00 Biostatistics IV: Multivariate Statistics
             Edward J. Gracely, PhD
12:00 – 12:30 LUNCH
12:35 – 2:15  Locating Biomedical Literature Using MEDLINE, Library Computer Classroom 1208’ 1st Floor, New College Building
               Steven Bogel
2:15 – 2:30  BREAK
2:30 – 4:30  Using Bibliographic Research Software
             Library Computer Classroom 1208’ 1st Floor, New College Building
             Gary M. Childs, MS

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Non-CME Optional Half-Day Human Research Protection Training

Thursday, July 23
2 p.m. to 5 p.m.
New College Building, 19th Floor Boardroom

This training session will provide researchers with information enabling them to effectively develop and execute studies that are compliant with Drexel University standards, as well as guidance in navigating the protocol approval process from study inception through closeout.

Discussion topics:
• What to consider when designing a research study
• How to prepare for IRB submission
• Collection, use and retention of health information
• What happens after the IRB approval
• How to submit Amendments and Continuing Reviews
• How and when to close a study
• Quality assurance and the research process
• Record retention and management

Presenters
Alexis A. Antracoli
Records Management Archivist, Library
Danyelle S. Gibson, BS CIP
IRB Project Coordinator III
Edward G. Longazel, MHA, CHC, CHRC
Chief Compliance and Privacy Officer
Karen Skinner, MSN, RN, NHA, CCRP
Director of Quality Assurance/Quality Improvement
Daryl Spruill, MSN, RN
Manager, Clinical Research

Sign up when you register for Fundamentals of Medical Research at drexelmed.edu/FMR2015

Please contact Drexel University Human Research Protection at 215.255.7857 or by email at HRPP@drexel.edu should you have any questions or concerns.