**Agenda for Research Training Workshop I:**
**Introduction to Clinical Research**

November 12-14, 2018  2-6pm
JFK Medical Center Grand Rounds Conference Room

**Day 1: Introduction**

**Introduction to Academic Medicine in the West African Subregion:**
**The Importance of Research and Research Training**  (60 min)
    LCPS Clinical Department Chairs

**Operationalizing research in the West Africa:**
**Examples from Nigeria and Liberia**  (30min)  (Pending response from invited research faculty)

**Overview of the PEER LCPS research training program**  (30 min)
    Patricia McQuilkin, MD, MS  UMass Medical School (UMMS)

Break 15 min

**Developing a culture of respect and ethics in performing research**  (60 min)
    Troy Moon, MD, MPH,  Vanderbilt University Medical School (VUMC)

**Pretest for Program Participants** :  30 min

**Day 2: Reading and Accessing Scientific Literature**

**Developing a research interest / formulating a research question**  (60 min)
    PEER Research Faculty
    • What are the different types of research  (Basic science, clinical, QI, community based, etc)
    • How to choose a successful research project (PICO)
    • How to choose a research mentor (s)
    • Building a research team
    • The Importance of Pre planning your project

**How to perform a literature Search:**  (45 min)
    Steve Hatch, MD, MS, UMMS, Richard Ssekitoleko, MMed, MPH
    • Understanding the basics of literature review
    • Literature review vs. systematic review vs metanalysis
    • Understanding how to access the resources available to you
How to read the scientific literature (30 min)
Troy Moon, MD, MPH, VUMC
- The importance of reading scientific literature
- Understanding the structure of Scientific papers
- Techniques for reading scientific literature

Break (15 min)

Journal Club with emphasis on how to read a scientific paper (90 min)
(small group break out session)
PEER Faculty and other invited faculty

Day 3: Introduction to Epidemiology and Biostatistics
Richard Ssekitoleko, MMed, MPH, and Ann Moormann, MPH, PhD

An overview of study design and data analysis (90 min)
Understanding the various types of studies (descriptive, cohort, case control, RCT)
Understanding which types of questions can be answered by each type of study, strengths and limitations
Understanding which types of data analysis are used for each type of study
Review examples from journal articles

Break (15 min)

An overview of Descriptive Statistics (90 min)
Definition of population and sample
Shape, measure of central tendency and spread of data (mean, mode, etc)
Review examples from journal articles

Assignments for Workshop II Jan/ Feb 2019

Post Test and program evaluation for Workshop I (30 min)