

Faculty Development Course

American College of Osteopathic Emergency Physicians
Foundation for Osteopathic Emergency Medicine

This course has been developed to provide focused instruction to emergency physicians and chief residents who currently hold or will hold core faculty positions in emergency medicine residency programs. The program has been developed to educate these physicians on aspects of research so as to allow them to conduct research and secure publication of their findings in preparation of the adoption of the Single or Unified Pathway for Graduate Medical Education now being considered in the United States.

Educational Goals:

1. To improve the quality of research being conducted in osteopathic emergency medicine residency programs.
2. To incorporate core research values in emergency medicine faculty members and residents.
3. To improve the quantity of publishable research conducted by osteopathic emergency physicians.
4. To train current core faculty to mentor and encourage research among junior faculty and residents.
5. To support the development of academic research liaisons within the osteopathic emergency medicine community and the Foundation of Osteopathic Emergency Medicine (FOEM).

Educational Objectives:

1. Educate emergency physicians on the components of research, including the formation of a research question and subsequent data collection, research validation, and IRB approval processes.
2. Use of data collection sources, including but not limited to the FOEM Research Network (FRN), NARAP/REDCAP.
3. Introduce emergency physicians to data-sharing networks being formed to enhance nationwide research between currently AOA-approved emergency medicine residency programs.

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4. Illustrate the various construction modalities for research presentation formats for publication.
5. Instruct emergency physicians on the facets of grant writing and methods of obtaining grants to support research projects.
6. Provide participants with available academic research networks in emergency medicine.
7. Prepare participants for the core faculty requirements of the Single Pathway to Graduate Medical Education and the transition of osteopathic emergency medicine programs into this system.
8. Develop teaching skills in participants to allow them to bring back information to junior faculty to build or strengthen current research venues at their institutions.

Program History:

This course has been generously sponsored by a David A. Kuchinski Memorial Grant of the Foundation for Osteopathic Emergency Medicine and the American College of Osteopathic Emergency Physicians for the express purpose of preparing osteopathic physicians to the requirements of core faculty under the Single Pathway for Accreditation of Graduate Medical Education. This pathway will require all programs to be accredited by a single agency, the Accreditation Council of Graduate Medical Education and will occur from July 1, 2015 through June 30, 2020.

Current requirements in the ACGME system state that core faculty must:

- Establish and maintain an environment of inquiry and scholarship with an active research component; (II.B.5)
 - The faculty must regularly participate in organized clinical discussions, rounds, journal clubs, and conference.
 - Some members of the faculty should also demonstrate scholarship by one or more of the following:
 - Peer-reviewed funding
 - Publication of original research or review articles in peer reviewed journals, or chapters in textbooks;
 - Publication or presentation of case reports or clinical series at local regional or national professional and scientific society meetings;
 - Participation in national committees or educational organizations;
 - Faculty should encourage and support residents in scholarly activities.

Source: ACGME Program Requirements for Graduate Medical Education in Emergency Medicine (7/1/2013)

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Course Sequence:

Participants are encouraged to participate in the four sections of the program that will occur in conjunction with the Scientific Assembly in 2014 and 2015 and the Spring Seminar in 2015 and 2016. Each segment will be approximately seven hours in length and provide the participant with a certificate of completion at the end of the four segments of the course.

The courses will be conducted in lecture and workshop formats.

Segment 1:

Introduction to Research

Caesar's Palace

Las Vegas, Nevada

Tuesday, October 14, 2014

- 8:00 – 8:10 a.m.** **Welcome and Introduction**
Michael Allswede, D.O.
- 8:10 – 8:30 a.m.** **Pre-Test**
- 8:15 – 10:15 a.m.** **Beginning Your Research Project**
- Formulating the Research Concept
- Developing the Research Question
Mark Langsdorf, MD, MHPE
Editor-in Chief, WestJEM
Shahram Loftifpour, MD, MPH
Managing Associate Editor, WestJEM
- 10:30 a.m. – Noon** **Developing Your Research Design**
- Types of Research Design
- Selection of the Appropriate Design Type
David Hogan, DO
Title
Steven D. Hollosi, D.O.
Title
Charleston Area Medical Center
Charleston, WV
- 12:00 – 1:00 p.m.** **Lunch (on your own)**

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1:00 – 2:00 p.m. **Developing an Environment of Scholarship in Residency Training**
- Mechanisms for faculty and resident involvement in research
Kenneth H. Butler, D.O.
Associate Program Director, Emergency Medicine
University of Maryland, Baltimore, MD

2:00 – 3:00 p.m. **Adapting Medical Curriculum for Adult Learners**
- Identification of Adult Learning Methods
- Curricular Examples
Gregory M. Christiansen, D.O., M.Ed.
Chair, Department of Emergency Medicine
Associate Professor of Emergency Medicine
Campbell University, College of Osteopathic Medicine
Lillington, NC

3:15 – 4:15 p.m. **Utilizing the FOEM Research Network**
- Participating in the FRN
- Data collection sources
Victor J. Scali, D.O.
Co-Program Director, Emergency Medicine
Rowan University, College of Osteopathic Medicine
Kennedy Memorial Hospital, Stratford, NJ

4:15 – 4:30 p.m. **Summary**

Please note a post-test will be sent to all participants approximately 90 after the course to determine retention and utilization of information.

Segment 2:
Developing Research, Part 1
Marriott Harbor Beach Resort
Fort Lauderdale, FL
April 4, 2015 (Tentative)

8:00 – 8:10 a.m. **Welcome and Introduction**
Michael Allswede, D.O.

8:10 – 8:30 a.m. **Pre-Test**

8:30 a.m. - Noon **Orientation to Grant Writing**
- Identification of Grant Entities
- Funding Types & Accounting Mechanisms
- Development of Funding Follow-through

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- Noon – 1:30 p.m.** **Lunch on your own**
- 1:30 – 3:30 p.m.** **Developing Inter-Institutional Research Projects**
- Agreements
- Networking data for larger sample size
- 3:00 – 4:00 p.m.** **Ethics of Research**
- Ensuring patient safety and confidentiality
- Authorship
- 4:00 – 4:15 p.m.** **Summary**

Please note a post-test will be sent to all participants approximately 90 after the course to determine retention and utilization of information.

Segment 3:
Developing Research, Part II
Loew's Portofino Bay Hotel
Orlando, FL
October 21, 2015 (Tentative)

- 8:00 – 8:10 a.m.** **Welcome and Introduction**
Michael Allswede, D.O.
- 8:10 – 8:30 a.m.** **Pre-Test**
- 8:15 – 10:15 a.m.** **Research Statistics**
- Types of Statistical Measurements
- Using Statistical Programs
- 10:30 – 11:30 a.m.** **Writing Research, Part 1**
- Constructing scientific papers
- Common errors to avoid
- 11:30 am – 12:30 pm** **Lunch (on your own)**
- 12:30 – 1:30 p.m.** **Writing Research, Part 2**
- Writing Workshop

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2:00 – 3:00 p.m. **Institutional Review and Acceptance**
- IRB approval
- Successes & Pitfalls

3:15 – 4:15 p.m. **Research Posters & Presentations**
- Visual Display
- Use of Photos
- Presentation Tips

4:15 – 4:30 p.m. **Summary**

Please note a post-test will be sent to all participants approximately 90 after the course to determine retention and utilization of information.

Segment 4:
Completing Research
The Westin Kierland Resort
Scottsdale, AZ
March 31, 2016 (Tentative)

8:00 – 8:10 a.m. **Welcome and Introduction**
Michael Allswede, D.O.

8:10 – 8:30 a.m. **Pre-Test**

8:15 – 9:15 a.m. **Writing the Final Product**
- Editing your paper
- Grammatical / Statistical Editing
- Presentation for Publication
- Pre-Review for Publication

9:15 – 10:15 a.m. **Identifying the Appropriate Publication**
- Publication Strategies
- Niche and Needs: Journal specificity

10:30 a.m. - Noon **Promoting Research and Scholarly Activity**
- Developing Shared Resources
- Developing a Research Program in your institution

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- Noon – 1:00 p.m.** **Lunch (on your own)**
- 1:00 – 2:30 p.m.** **Developing, Meeting and Measuring Outcomes of Emergency Medicine Core Competencies**
- Patient Care, Procedural Skills and Patient Safety
 - Resident Competency
 - Medical Knowledge
 - Practice-based Learning and Quality Improvement
 - Interpersonal and Communication Skills
 - Professionalism and Transition of Care
 - Systems-based Practice
 - Supervision and Oversight
- 2:45 – 4:00 p.m.** **Utilizing Simulation Centers in Education**
- Developing and Sharing a Simulation Lab
 - Benefits and Pitfalls
- 4:00 – 4:30 p.m.** **Summary**

Please note a post-test will be sent to all participants approximately 90 after the course to determine retention and utilization of information.

During and at the completion of the program participants will be able to obtain assistance in developing research projects from research personnel and presenters. The goal of the program is to guide the participant through the research development, presentation, writing and publication phases of their project. Participants will develop a network of teachers and learners to assist them in meeting the ultimate goal of becoming core faculty in a residency program that is accredited through the Single Pathway System.

A certificate of completion will be presented to all participants completing the four-sections of the course.