

Focused Advanced Specialty Track

MEDICAL EDUCATION

Director: Linda Regan, MD, MEd, FACEP
Associate Professor and Vice Chair for Education
Program Director, Emergency Medicine Residency and Combined
EM-Anesthesiology Residency
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Co-director: Julianna Jung, MD, MEd
Associate Professor of Emergency Medicine
Director of Medical Student Education, Department of Emergency Medicine
Associate Director, Johns Hopkins Medicine Simulation Center

Number of residents you can accommodate: 2 per director

Available faculty mentors:

Kamna Balhara, MD
Leah Bright, DO
Sharon Bord, MD
Michael Ehmann, MD
Julie Rice, MD
Logan Weygandt, MD

Are you willing to have your track combined with another one?
Yes, any track in need of an educational intervention

Sponsoring Institution: Johns Hopkins Hospital

Program Curriculum

Goal

Our goal is to develop knowledge and expertise in the essential areas of medical education, including administration of EM residency programs and undergraduate medical education programs as well as personal skill within curriculum development, program design and assessment, as well as personal development as an educator across varied settings.

Objectives

The Education FAST is designed to address the following core objectives:

1. Residents will work under the direction of either program leader (Dr. Linda Regan or Dr. Jules Jung) to learn the essential components of either residency or undergraduate medical education and administration. This will include regulatory guidelines, certification maintenance, as well as programmatic structural requirements.
2. Residents will develop skill in curricular development, learning how to perform a needs assessment, as well as research, design, and implement a curricular advance into an educational program in the department. (UME, GME, APP, Faculty)
3. Residents will develop an understanding of both formative and summative learner assessment and will participate in feedback sessions to learners engaged in an educational program in the department with one of its directors.

4. Residents will develop leadership skill to function an educational leader in the departmental program in which they are participating.
5. Residents will develop a diverse set of skills as an educator through the development of educational materials that can will delivered across varied settings. (i.e. Large group didactic, small group case discussion)

The Education FAST can also be designed to address the following optional objectives:

1. **Simulation** – Residents will work under the direction of Drs. Julie Rice and Jules Jung to learn the essential components required to integrate simulation into medical education curricula.
 - Residents will develop an understanding of the usefulness of simulation and how it is best used as an educational tool.
 - Residents will practice using simulation as a form of evaluation to assess resident performance in the core competency areas.
 - Residents will assist in running 5 simulation cases under the supervision of a simulation expert
 - Residents will research, design and implement a curriculum into a part of the resident or medical student curriculum*

2. **Evidence Based Medical Education** – Residents will work under the director of Drs. Tony Busti (adjunct faculty), Linda Regan, and/or Jeremiah Hinson to learn the essential components of EBM as well as evidence based medical education (EBME) as well as how to integrate EBME into their clinical practice.
 - Residents will develop an understanding of what EMBE is and how it differs from EBM, as well as an understanding of what an evidence based practitioner looks like
 - Residents will develop an understanding of the principles of critical appraisal of the literature
 - Residents will develop the ability to successfully utilize the 5As of EBM to answer a single clinical question

Opportunities available to resident(s)

- Teaching: Resident lectures, medical student lectures, small group direction, bedside clinical teaching, resident and medical simulations
- Primary Research: Evaluation of any new curriculum introduced, assessment of current knowledge/technical skill of current residents, needs assessment for new curricula
- Writing/Publications: For any research done during the year, EBM Consult

Ongoing and Starting Projects

- Handoff Curriculum (In progress: L. Bright)
- Modified EBM Curriculum (Ongoing: N. Al Jalbout, J. Hinson, T. Busti, L. Regan)
- Critically appraised topics for EBM Consult (Ongoing: T. Busti)
- Outcomes of discharge curriculum for interns (Starting: L. Regan)
- Review of assessment tools used for simulation (Starting: J. Rice)
- Comparison of skills used by Master Adaptive Learners across PGY year (Starting: L. Regan)

Possible Future Projects

- EKG curriculum
- Low acuity curriculum
- Supplemental online orthopedics curriculum