

Medical Education Pathway:

How Educational Science Can Change Your Life

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MEDICINE *of*
THE HIGHEST ORDER



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MEDICINE

HIGHLAND
HOSPITAL

ACKNOWLEDGMENTS

MEP Committee:

- ❑ Committee Chair: Celeste Song
- ❑ Administrator: Katie Libby
- ❑ Instructional Designer: Tracy Cherry
- ❑ PCC Director: Anne Nofziger
- ❑ AD: Betsy Naumburg
- ❑ 1st Yr Course Director: Gus Haidaris
- ❑ 1st Yr Course Director: David Yule

LEARNING OBJECTIVES

Participants will

- ✓ Have ongoing access to information on MEP's curriculum, requirements, and application process
- ✓ Ask clarifying questions about MEP's curriculum, requirements, and application process

OUTLINE

1. What is the MEP?
2. What to expect in the MEP
3. Application Process
4. Prior grads/examples
5. Questions

What is the MEP?

Medical Humanities

Bioethics

Deaf Health

Medical Education

Latino Health

Global Health

Read all about it:

<https://www.urmc.rochester.edu/education/md/admissions/elective-pathway.aspx>

<https://www.ncbi.nlm.nih.gov/pubmed/25354074>

What is the MEP?

The purpose of the MEP is to prepare students to **become** academic medical educators with skills in teaching as well as a knowledge of educational science.

What is the MEP: Requirements

- ❑ Orientation
- ❑ Prepare/deliver lecture to large group
- ❑ Serve as a PBL tutor
- ❑ Lead small group teaching sessions
- ❑ Critically evaluate medical education literature.
- ❑ Attend faculty development
- ❑ **Total 40 direct contact teaching hours**

What is the MEP: Orientation

- ☐ Giving a Great Lecture
- ☐ Learning Objectives
- ☐ Teaching Portfolio
- ☐ Professionalism
- ☐ Exam Writing
- ☐ Assessment & Feedback
- ☐ Overview of T&L
- ☐ Diversity in Med Ed
- ☐ Intro to Journal Club

Mon 5/14

Wed 5/16

What is the MEP: Requirements

Large Group Teaching:

- ☐ Same lesson, at LEAST 2 consecutive years
- ☐ Write syllabus notes
- ☐ Write exam questions
- ☐ Review w/ mentor & course director
- ☐ Incorporate feedback, revise for 2nd year

PBL tutor

- ☐ Formal PBL tutor training.
- ☐ At LEAST 2 cases

What is the MEP: Requirements

Small Groups:

- ☐ Basic science labs, clinical skills, humanities seminars, etc.
- ☐ At least 2 sessions
- ☐ Incorporate feedback during second session

Eval Med Ed Lit

- ☐ Attend at least 4 MEP Journal Clubs total
- ☐ Lead at least 1 of the 4 MEP Journal Clubs

Fac Dev

- ☐ Attend at least 1 faculty development session

What is the MEP: Completion



□ Dean's Letter

□ Certificate

□ Transcript

What to Expect

...a **PROCESS** that leads to lasting **CHANGE**, which occurs as a result of **EXPERIENCES**, and increases the potential for improved performance.

National Research Council: Committee on Developments in the Science of Learning. How People Learn: brain, mind, experience, and school." (Expanded ed.) Washington, D.C.: National Academy Press, 2000

What to Expect

“...teaching a very well educated and smart audience is **hard**, and it **requires a lot of thought and preparation** and deliberate goal planning ...it [MEP experience] has made me a **little less confident** as a teacher. That being said...**I can be an effective teacher** in the MEP and that has helped me feel like **I can continue to be an effective teacher in the future.**”

What to Expect

"I think I have just become **deeper**. ...in the past I thought of myself as sharing information and helping kids understand things. I think now as an educator I have the opportunity to not only share information but to **change the way in which students learn and enhance the capacity to which they can use information** and depth of their knowledge."

*** * Application Process * ***

- Due April 2, 2018
- Statement of intent (400 word essay)
- Proposed lecture topic (400 word essay)
- Faculty Mentor verbal approval
- Advisory Dean verbal approval
- Course Director verbal approval***
- Notified by 11:59pm May 7, 2017

Application Process

- Bring a draft of your large group lesson plan in OUTLINE FORM to Orientation
- Send copy of outline draft to Dr. Song by the time of Orientation (5/14)

Application Evaluation

Students must have shown consistent professionalism and demonstrated commitment to the educational process.

- ☐ Rationale (topic)
- ☐ Which course/why
- ☐ Coherence (course)
- ☐ Rationale (format)
- ☐ Feasibility
- ☐ Assessment plan
- ☐ Quality of writing

Examples

□Public Health

- Clean water in maternal/fetal health
- Health and human rights
- Nutrition/Culinary Exercise
- Intimate Partner Violence
- Malnutrition x 2
- Social Determinants of Health
- Bioterrorism
- Travel Medicine
- Health Insurance

Examples

□ Basic Science

- TORCH Infections x 2
- Immune Complex Diseases
- Strep and Staph Infections
- Viral-Based Cancer Therapeutics
- Exercise Biochemistry
- Breast Cancer Neoplasia
- Statistical Hypothesis Testing
- Basic Science of Obesity
- Thermoregulation and Exercise

Examples

□ Sexual Health

- Adolescent Sexual Health
- Transgender Health x 2
- Female Reproductive System
- Gram negative Bacteria and STD's
- Sex Determination

Examples

□ Clinical Topics

- Anorexia Nervosa x 2
- Cranial Nerve Exam
- Pediatric Cardiac Disease
- Telemedicine
- Geriatric Functional Assessment
- Surgical Stress Response
- Evidence-Based Physical Exam
- Concussions
- Vaccine Communication

FAQ'S

- ☐ Does 1:1 tutoring count? (no)
- ☐ Can MD/PhD's participate? (must have 2 years remaining)
- ☐ Can I reschedule a session for interviews? (in general—no)
- ☐ What happens if I don't get in? (nothing bad)
- ☐ Can I skip orientation? (no)

FAQ'S

❑ Can I substitute an extra small group for a PBL & vice versa (no)

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