

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



SCHOOL OF MEDICINE & DENTISTRY
UNIVERSITY of ROCHESTER MEDICAL CENTER

Medical Education Pathway

presented to

Rene Myers

For having successfully completed the requirements
for the Medical Education Pathway Program

May 15, 2009

David R. Lambert, M.D.
Associate Dean for Medical Student Education

Barbara J. Davis, Ph.D.
Associate Professor of Neurobiology & Anatomy
Director, Medical Education Pathway Program

□ 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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