

Brief Program Overview

Our post-doctoral research training program has a two-year curriculum with an optional third year.

Due to the varied research experience expected within the different tracts and the previous science course work of trainees, the didactic experience prescribed for trainees is flexible and contingent on each trainee's previous experience and interest.

A post-doctoral research trainee will spend the majority of time focused on conducting research. A minimum of 80% time spent in the laboratory is required for development of basic and specialized skills. Individual training prospectus are designed for maximum advantage to the trainee.

The mandated clinical experience (~20% of the physician trainees commitment) is considered important to maintain clinical skills, as well as to experience the life style of a physician scientist.

Involvement of UB basic science departments allows trainees with an MD to extend their research and course work toward MS or PhD degrees. Trainees with a PhD degree will have curricular flexibility and a training plan that will further enhance previous research strengths, as well as develop new areas of expertise.

The program expects trainees to prepare and submit manuscripts and to develop and submit an extramural research funding proposal.

Attendance at Department Research Seminars is mandatory, and trainees are required to lecture. At monthly journal clubs translational topics are presented and discussed, and all trainees, residents, fellows, and faculty participate.

Trainees will participate and give at least one lecture in the Didactic Series for residents. This is to provide teaching/speaking experience and all trainees are expected to present their investigations at departmental research seminars of associated basic science departments.

Stipends for trainees will be adjusted for the number of years of previous post-doctoral training. The anesthesiology department will add an other activities (i.e., patient care) salary to the stipend to account for any time not involved in research.

Program Inquiries

The goal of this program is to train post-doctoral fellows to become 'Physician Scientists' who will be the future leaders in national anesthesiology-focused translational research.

If you are interested in speaking with a former or current fellow of the program regarding their first-hand knowledge of the advantages of being trained as both a physician and a scientist to conduct and promote translational investigation to improve patient care, or if you would like to speak to our faculty for further program information, please contact the department via the contact information below.



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***"Every great advance in science
has issued from a new
audacity of the imagination..."***

John Dewey

NIH T32 Anesthesiology Research Training Program

*Translational research,
specifically mutually
reinforcing investigations that
go from laboratory bench top
to clinical trials, to clinical
application, as well as
from clinical problems to the
bench top, is of paramount
importance to the continual
improvement of our
health care system.*

Administration, Faculty & Staff

Departmental Administration

Department Chair: Mark Lema, MD, PhD

Executive Vice Chair: Robert Sands, MD

Associate Director: Mirjana Lovrincec, MD

Training Program Administration, Faculty and Staff

Director: Paul Knight, MD, PhD

Assistant Director: Bruce Davidson, PhD

Residency Coordinator: Sheila Marszalek

Recruitment Coordinators: R. Sands, MD, S. Marszalek

Administrative Support: S. Marszalek, Donna Mills

Research Training Advisory Committee

Paul Knight, MD

Bruce Davidson, PhD

Gabrielle Popescu, PhD

Ali El Sohl, MD

Advisory: David Milling, MD

Senior Associate Dean for Minority Affairs

External Advisory Board

David Wartier, MD, PhD

Timothy Curry, MD, PhD

Charles Emala, MD



**"Medicine, the only profession
that labors incessantly to destroy
the reason for its existence."**

James Bryce

Fellowship Description

This fellowship is intended for mature, highly motivated candidates who are enthusiastic about working wholeheartedly in a multidisciplinary environment.

Two, 2-year postdoctoral fellowships are available beginning July 1 of 2014. Positions are funded by an NIH Ruth L. Kirschstein National Research Service Award Institutional Research Training Grant (T32).

The purpose of the program is to train translational scientists to carry out independent, highly developed, sophisticated research; thus, providing the next generation of investigators who can bridge the gap between basic science and clinical research germane to anesthesiology.

Research areas include, but are not limited to: critical care, perioperative care, pain management, as well as anesthetic mechanism of action. Any research field will be considered appropriate for this program, provided it can be deemed relevant to the practice of anesthesiology.

Candidates must be US citizens or unconditional permanent residents, possess a post-resident MD and/or PhD and be committed to a career in medical research. MDs and MD/PhDs are preferred candidates, and a minimum of 80% research effort is required. Remaining effort shall be dedicated to clinical duties based on faculty mentors' medical specialty. Please review the related information on the right of this of this column.

Stipend levels are commensurate with the number of years of post-graduate experience and in accordance with NIH schedules. Health insurance, tuition and fees, and a sensible amount of travel to meetings are also supported.

Interested candidates should submit an electronic copy of their curriculum vitae, contact information of three references, along with a cover letter briefly describing their past research experience and current/future interests to Dr. Davidson's e-mail address below.

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Assistant Director, UB ANE Research Training Program
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Faculty Mentors Information

Primary Mentors:

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