

Anesthesiology Research Scholarship

Background

The Weill Cornell Medical College Department of Anesthesiology at selects and educates anesthesiologists at New York Presbyterian Hospital's New York Weill Cornell Medical Center in New York City. Many of our graduates go on to careers in research and leadership roles in their profession.

The goal of the Anesthesiology Research Scholarship is to attract medical school candidates into our residency program who desire to become researchers and academic anesthesiologists. The Scholarships will help support these Anesthesia Scholars during the formative years of their training.

The Anesthesiology Research Scholarship Program

Two positions are available per year. The Scholarship will commence at the start of their residency. Each Scholar shall receive \$5,000 per year during 4 years of internship/residency followed by the first two years of a junior faculty position. The Scholarship payments will be in addition to the amount of the normal resident and junior faculty salaries. Scholars can elect to work with mentors within the New York Weill Cornell Medical Center, The Rockefeller University, The Hospital for Special Surgery or the Memorial Sloan Kettering Cancer Center.

Towards the end of their PGY3 year, Scholars will undertake a one-month research rotation during which they will lay the foundation for their research career through structured mentoring. During the PGY4 year, Scholars *may elect to* enroll in the Clinical Scientist Track as defined by the American Board of Anesthesiology. Whether electing to pursue basic science or clinical research, Scholars will be enrolled in:

Foundations of Clinical Research: This is a graduate level course designed for faculty, fellows and residents interested in developing clinical research projects, and is approved for 3 graduate credits from the Weill-Cornell Graduate School of Medical Sciences. This course provides an introduction to basic research techniques and methods as well as instruction in areas including biostatistical methods for clinical research, analysis and interpretation of clinical and population-based data of relevance for clinical care, and critical assessment of research literature. Sessions held twice weekly beginning in the fall.

Clinical Research Methodology Course: A 20-week multidisciplinary Cornell Clinical Research Methodology Course that reviews key aspects of research methodology. The course is intended for physicians, medical students and other members of the Weill-Cornell Medical community who (1) wish to enhance their ability to critically evaluate the published research literature or (2) who are contemplating (or currently involved in) designing research projects, writing grant proposals, or conducting research for publication in peer-reviewed journals or presentation at medical society meetings. Its purpose is to provide a broad framework for understanding (1) the principles of problem definition and hypothesis construction; (2) the logic of research design and statistics; (3)

the methodology for determining cost-effectiveness of a program or procedure; (4) the rationale and procedures for generating and documenting data; (5) the ethical issues involved in conducting clinical investigations; (6) the fundamentals of writing a protocol or other research proposal; and (7) the guidelines for assembling and interpreting results, evaluating and writing scientific manuscripts, and publishing studies. The course meets once a week for 20 weeks throughout the spring.

Following successful completion of the four years of clinical training in Anesthesiology, Scholars will be appointed as Instructors in Anesthesiology at Weill Cornell Medical College. The Scholar will then be expected to perform two years of research in the basic or clinical sciences. This commitment to research will be satisfied by twenty-four months of service with primary appointment at WCMC-NYPH in which 60% of total effort is devoted to research. Scholars who opt not to complete their residency training or their two year post residency research commitment will be expected to pay back a pro rata portion of the Scholarship funds. PGY4 research fellowship time in the Clinical Scientist Track does not count towards the 2-year research commitment.

Application Procedure.

In addition to the regular residency application, candidates wishing to apply for an Anesthesiology Research Scholarship should send a completed Fellowship Application directly to the Residency Coordinator at WCMC-NYPH (Ms. Shonda Brooks). This application includes:

1. Brief description of your research background and experience (2 single-spaced pages).
2. Description of how your career plan incorporates research (1 single-spaced page).
3. Two reference letters that specifically address your research potential.

These materials must be received by January 15th. A decision should be communicated to the candidate by mid-February, prior to the NRMP match deadline.

An applicant for the Anesthesiology Research Scholarship must also apply for an Anesthesia Residency position at the New York Presbyterian Hospital-Cornell through ERAS prior to November 5, 2004.

The Department of Anesthesiology is an equal opportunity employer. It encourages applications for the Anesthesiology Research Scholarship from minorities and women. The Anesthesiology Research Scholarship is not offered as an independent program outside of a residency position.

Forward the above application materials to:

Shonda Brooks, Residency Coordinator
Anesthesiology Research Scholarship
Department of Anesthesiology, M-312

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New York, NY 10021

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