

Neuroscience Medical Student Scholars Program University of Cincinnati College of Medicine

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Neuroscience MSSP Goal:

To provide an enriched exposure in clinical neurosciences to students who demonstrate a strong interest in the field. This enhanced experience will be accomplished through a multi-disciplinary, longitudinal approach that continues through the pre-clinical and clinical years of student training.

Background:

Major breakthroughs in molecular biology and basic neuroscience have defined the cause of many diseases of the nervous system, and are transforming the practice of neurology, neurosurgery, neuropathology, and rehabilitation. Basic research is giving new information regarding how the brain works and how brain injury occurs-and how it can be prevented or mitigated. Recognizing the exciting opportunities now available to medical students to better understand nervous system function and to design new treatments for neurological diseases, we've developed an interdepartmental program: The Neuroscience Medical Student Scholars Program, NSMSSP. This pathway will provide additional exposure to the neurosciences, including adult and pediatric neurology, neuropathology, neurosurgery, and psychiatry (physical medicine), by creating a four-year program of additional activities for the motivated medical student in the clinical and basic sciences.

Faculty Mentoring:

One of the most important elements of this educational pathway is an emphasis on mentoring. Upon entrance to the program, each student will be paired with a clinical or basic neuroscientist in the field of their interest as a faculty mentor. The mentor will be specifically chosen because of their track-record in mentoring and education. Students will meet with mentors regularly to discuss topics ranging from research issues and new approaches to treating neurological disease to career opportunities. Mentors will help student select summer research experiences, or even help arrange longer research periods if possible, and help develop opportunities for in-depth study. In addition, the student will be assigned a resident mentor. Residents are closer in age/position to the medical student and can provide a valuable perspective. Meetings with resident mentors will be much less formal and structured. By the end of the second academic year the student should have a good idea of the discipline, both academically and "socially".

Program Administration and Coordination:

Dr. John Quinlan serves as the Neurosciences MSSP Program Director.

Enrollment:

Enrollment limit depends upon student interest and availability of required resources. Candidates will be selected for the program based on their interest in the neurosciences, prior exposures to the neurosciences, personal statement and interview.

Graduation

NS MSSP students will receive special recognition during the graduation ceremony.

Evaluation and Feedback

To ensure that this mentoring experience is positive and educational for the student, an evaluation will be performed by the Office of Medical Education. In addition, the students are required to document all hours and experiences in MedOneStop throughout their four years. This documentation will include lectures attended, research experiences and clinical exposures. Each year, after review of feedback received from students, faculty and resident mentors, the curriculum will be revised to allow continuous quality improvement in the program.

Required Activities and Experiences

Year One

Summer Research experience

Meeting with Mentors

- Quarterly meetings with mentor

Grand Rounds

- Quarterly attendance

Subspecialty Conferences

- Minimum two per year

Resident Seminars

- Quarterly
 - Options Include
 - Journal Clubs
 - Morbidly and Mortality Conference
 - Professors hours/Chairman's Case
 - Brain Cutting

Brain Mind and Behavior fieldtrips

- Attend six of eight sessions

Shadowing

- Quarterly

Year Two

Meeting with Mentors

- Quarterly meetings with mentor

Grand Rounds

- Quarterly attendance

Subspecialty Conferences

- Minimum two per year

Resident Seminars

- Quarterly
 - Options Include
 - Journal Clubs
 - Morbidly and Mortality Conference
 - Professors hours/Chairman's Case
 - Brain Cutting

Shadowing

- Quarterly

Year Three

Meeting with Mentors

- Quarterly meetings with mentor

Subspecialty Conferences

- Minimum two per year
 - Clinical Neuroscience Core Clerkship

Year Four

Meeting with Mentors

- Quarterly meetings with mentor

Subspecialty Conferences

- Minimum two per year

Resident Seminars

- Minimum two per year
 - Neuroscience AI or Neuroscience Elective

Application Process

A CV and personal statement must be submitted. Participating in an MSSP program is above and beyond your normal classwork load. In your MSSP personal statement, please also answer the following question (400 words or less):

Describe how you will meet this challenge and any strategies that you will use to ensure your success?

To apply: click the following link to MedOneStop www.medonestop.uc.edu . Once logged in, the application can be found under the **Extracurricular** tab named Medical Student Scholars Program (MSSP).