

# Neuroscience Critical Care: Clinical & Translational Research

NE 605.RS

## General Information

**COURSE CHAIR:** Shouri Lahiri, MD

**STUDENT COORDINATOR:** Leilani Panado

**PHONE:** (424) 315-2492 \* **E-MAIL:** [groupneuroscienceseducation@cshs.org](mailto:groupneuroscienceseducation@cshs.org)

**STUDENTS / PERIOD:** max: 3 min: 1

**DURATION:** 4 wks

Please contact the coordinator to arrange rotation dates as this elective is offered by arrangement.

## Requirement(s)

A letter of interest must be submitted with application.

## Description

The Neuro-ICU research rotation will provide students with experience in clinical and translational research including multi-center clinical trials. Students will be paired with an experienced MD mentor and have opportunity to attend Neuro-ICU rounds to gain the clinical perspectives that inform research questions. The remainder of the time will be spent gaining experience with gaining understanding of research methodology, developing academic writing skills including IRB protocol writing and abstract or manuscript preparation. Students will meet at least weekly with the MD mentors to review progress. Students will have the opportunity to participate in didactics and present research findings. All efforts will be made to tailor the research experience to the students' research interests.

## Course Objectives

- Students will gain experience with clinical and translational research methodology.
- Students will receive mentoring in academic writing.
- Students will gain experience with multi-disciplinary collaborative research projects.
- Students will gain experience with IRB protocol writing.
- Students will gain experience with statistical analysis in clinical medicine.

## Student Experiences

- Clinical and translational research methodology.
- Mentored academic writing and abstract/manuscript preparation.
- Multi-disciplinary collaborative research including neurology, critical care, and pulmonology.
- Basics of statistical analysis in clinical medicine.
- Experience with IRB preparation and submission.

## Additional Information

- Students participating in this 4wk rotation will need to complete the online IRB CITI training at least two weeks prior to starting this rotation
- The principal investigator will add students to the IRB approved protocol once they have completed the online CITI training prior to starting this rotation
- Laboratory research experiences may be arranged thru our Research Internship Program for students rotating 8 weeks or longer. Please discuss your interest with Maria Murga