

Neuroanesthesia Fellowship

The University of Florida

The Division of Neuroanesthesia specializes in the training of consultants in the perioperative care of patients with diseases affecting the nervous system, by emphasizing a thorough understanding of neuroanatomy, neurophysiology (including training in intraoperative neuromonitoring), and the impact of surgical approaches.

Our comprehensive 12-month fellowship fosters academic growth giving fellows the opportunity to:

- Serve as teaching assistants for the neuroanatomy course in the College of Medicine
- Develop research skills by designing and participating in IRB-approved studies in a multidisciplinary, world-renowned neuroscience center with the goal of presenting at national meetings (SNACC, ASA, IARS etc.) & submitting manuscripts
- Get assistance from a comprehensive research support center with dedicated research coordinators, statisticians, and editing & publications services
- Participate in the peer-review process for specialty journals
- Present at neuroanesthesia education & departmental grand rounds conferences
- Hone their academic writing skills by publishing review articles & book chapters mentored by exceptional faculty leaders

PROGRAM BENEFITS



- Competitive salary & benefits with 20% of time dedicated to serving as attending associates
- 9 fellowship-trained faculty with diverse backgrounds in education, research (both bench & bedside), simulation, & quality
- Medical direction of one of the oldest intraoperative neurophysiologic monitoring programs
- Exposure to 3000 neurosurgical procedures per year, including neurovascular interventional & open procedures, brain tumors, functional neurosurgery procedures such as deep brain stimulation & epilepsy surgery, complex spine procedures, & pediatric neurosurgical procedures
- Neuro Intensive Care Unit directed jointly by Anesthesiology & Neurology
- Neuromedicine Hospital with 7 designated operating rooms, including neurointerventional and intraoperative MRI suites
- Comprehensive Stroke Center



Department of Anesthesiology
Division of Neuroanesthesia

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We have dedicated staff & personnel in our service to ensure consistent and committed care to our patients.

- 1 fellow per academic year
- 3 faculty members dedicated daily to neuroanesthesia
- 3 technologists dedicated to neuromonitoring
- CA2 and CA3 residents on rotation

OUR TEAM



Christoph Seubert, MD, PhD, DABNM
Division Chief
Professor



Nelson Nicolas Algarra, MD
Assistant Professor
Assistant Program Director



Anatoly Martynyuk, Ph.D
Research Professor
Developmental Anesthetic Neurotoxicity Lab



Ramachandran Ramani, MBBS, MD
Associate Professor



Lauren Berkow, MD
Associate Professor



Basma Mohamed, MBChB.
Assistant Professor



Steven Robicsek, MD, PhD
Professor
Neuroanesthesiology Fellowship Director
Director of Intraoperative Electrophysiology



Nikolaus Gravenstein, MD
Professor



Ferenc Rabai, MD
Assistant Professor



Peggy White, MD
Assistant Professor

CURRENT RESEARCH INTERESTS

- Creation of a surgical home for elective complex spine surgeries, patient-centered preoperative optimization, intraoperative care, & postoperative follow-up
- Methadone analgesia in complex spine surgery patients
- Ketamine-mediated neuroprotection in acute stroke therapy
- Developmental anesthetic neurotoxicity
- Multiple projects in “greening” of the Operating Room
- Functional MRI study of postoperative cognitive dysfunction
- Biomarkers in Traumatic Brain Injury
- Optimizing perioperative antibiotic prophylaxis