Message from the Vice Chair of Research

Our research supports Department academic mission: first-rate clinical service, innovative teaching, and state-of-the-art translational biomedical discovery.

We have a long-standing reputation for being one of the top academic anesthesiology departments for research in the nation. The Department has extramurally-funded full-time basic researchers as well as clinical scientists in a number of research areas with major programs in neuroscience, pain, drug abuse (e.g., opioids) and addiction (e.g., alcohol), general anesthetics, and patient-oriented clinical pharmacology. We have outstanding publication record, which includes articles published in top-rated scientific journals, such as *Nature Neuroscience*, *Journal of Clinical Investigation*, *Neuropsychopharmacology*, *Journal of Neuroscience*, *Pain*, and *Anesthesiology*.

We are committed to providing a learning environment for our faculty, fellows, residents, postdoctoral fellows and graduate students. The Department organizes a biweekly journal club, a bi-monthly research seminar, and a weekly Grand Rounds. The invited speakers from inside and outside Rutgers are well established nationally and internationally, and the seminars cover topics from basic mechanisms to clinical investigations. The state-of-the-art research facilities are fully equipped for electrophysiology, molecular biology, cell culture, histology and microscopy, microinjection surgery, anesthesia, and behavioral assessment. In addition, faculty members have access to university shared resources, including advanced imaging, high-throughput sequencing, mass spectrometry-based metabolic profiling, genomics, proteomics and bioinformatics. An administrative unit in the Department assists grant submissions, financial management, editing, and laboratory ordering.

I encourage you to read more about our basic science and clinical research and to familiarize yourself with the research opportunities, resources and the collaborative, nurturing environment in the Department of Anesthesiology and Perioperative Medicine at Rutgers New Jersey Medical School.

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