Department of Anatomical Sciences and Neurobiology

- 23 Full-time and 15 affiliate faculty
- 45 graduate students
- Multiple recipients of National Research Service Awards
- Professional instruction in School of Medicine and Dentistry
- World class investigators in basic & translational science
- Federal and privately funded research labs
- Fully supported PhD program with a focus in Neuroscience
- MS degree offered in Anatomical Sciences and Instruction
- Home of Fresh Tissue Lab & Analytical Microscopy Core
- Participating member of the School of Interdisciplinary & Graduate Studies and the MD/PhD Program

Sensory Systems

Martha Bickford: Functional organization of visual thalamic nuclei
Nigel Cooper: Signal transduction & gene-regulation of cell death and survival in retina
William Guido: Circuit development of the visual thalamus
Robin Krimm: Neurotrophins in regulating gustatory peripheral and central targeting
Robert Lundy: Mechanisms of central taste processing

Development and Plasticity

Patrick Moore: Developmental regulation of pituitary hormones
George Mower: Development & plasticity of the visual cortex
Mengsheng Qiu: Differentiation and regeneration of motor neurons & oligodendrocytes

Anatomical Sciences and Instruction

Jennifer Brueckner-Collins: Innovative approaches in teaching the anatomical sciences
Nicole Herring: Structural relations between bones, ligaments and surrounding neurovasculature
Guillermo Rougier: Anatomy and evolution of mammals
Michael Tseng: Nanotoxicology and biological responses to xenobiotics

Neural Injury and Repair

Richard Benton: Therapeutic strategies for the treatment of spinal cord injury
Charles Hubscher: Pelvic organ function and chronic pain following spinal cord injury
Ashok Kumar: Development of novel therapies for skeletal muscle disorders
Jeff Petruska: Plasticity of peripheral nerves and spinal cord

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Program Activities

- Seminars in Neuroscience series
- Student-sponsored seminars and presentations
- Neurolunch Journal Club
- New-student orientation week
- Student-faculty lunches
- Welcome new-student picnic
- Thanksgiving pot-luck lunch
- Mid-winter party

University-wide Events

- Research Louisville
- Neuroscience Day sponsored by Society for Neuroscience, Louisville chapter
- School of Interdisciplinary and Graduate Studies Teaching Academy
- Professional and academic development seminars and workshops

Application Information

For information about our Graduate Programs, contact:
Admissions Director at asnbapps@louisville.edu.

Applications may be made by going to our website at louisville.edu/medschool/anatomy/application/

If you are unable to access the Internet, application forms and more information can be obtained by contacting the Department at 502-852-5167.