Department of Anatomical Sciences and Neurobiology

- Fully supported PhD program with a focus in Neuroscience
- Multiple recipients of National Research Service Awards (PhD-student training fellowships)
- MS degree offered in Anatomical Sciences & Instruction
- 20 full time and 10 affiliate faculty members
- World-class investigators in basic & translational science
- Award-winning educators
- Multiple University Distinguished Scholars
- Nationally ranked 20th in NIH funding
- Federally- and privately-funded research labs
- Home of the NIH-funded Kentucky Biomedical Research Infrastructure Network (KBRIN)
- Membership and collaborative ties with Kentucky Spinal Cord Injury Research Center (KSCIRC)

Sensory Systems

- Martha Bickford: Functional organization of central visual circuits
- Bart Borghuis: Synaptic and circuit mechanisms of the retina
- William Guido: Circuit development of the visual thalamus
- Robin Krimm: Development and circuitry of the peripheral taste system
- Robert Lundy: Mechanisms of central taste processing
- Chad Samuelsen: Cortical integration of taste and smell and the neural basis of flavor perception

Development and Plasticity

- Aaron McGee: Genes and mechanisms governing plasticity in sensory circuits
- Patrick Moore: Development and maturation of the reproductive axis
- Mensheng Qiu: Differentiation and regeneration of motor neurons and oligodendrocytes

Neural Injury and Repair

- 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

Anatomical Sciences and Instruction

- Jennifer Brueckner-Collins: Innovative approaches in teaching the anatomical sciences
- Brian Davis: Craniodental morphology, paleobiology, and evolutionary history of mammals
- 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
Program Activities

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

University-Wide Events

• Research! Louisville, an annual showcase of health-related research
• Neuroscience Day sponsored by Louisville Chapter of SFN
• Professional Development Academies, sponsored by the School of Interdisciplinary and Graduate Studies (Teaching, Entrepreneurship, Grant Writing, Publishing, and Community Engagement Academies)
• Interdisciplinary workshops and special events (panels, invited speakers, and social networking events).

Application Information

For information about our Graduate Programs, contact:
Admissions Director at asnbapps@louisville.edu
Or visit:
http://louisville.edu/medicine/departments/anatomy/applications
If you are unable to access the internet, application forms and more information can be obtained by contacting the department at 502-852-5165.

http://louisville.edu/graduate/plan/