



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 & Neurobiology
- 17 full time and 15 affiliate faculty members
- World-class investigators in basic & translational science
- Award-winning educators
- Nationally ranked 22th in NIH funding
- Federally- and privately-funded research labs
- Home of the NIH-funded Kentucky Biomedical Research Infrastructure Network (KYINBRE)
- Membership and collaborative ties with Kentucky Spinal Cord Injury Research Center (KSCIRC)
- Strong Department and School-wide programs for promoting Diversity and Inclusivity.

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



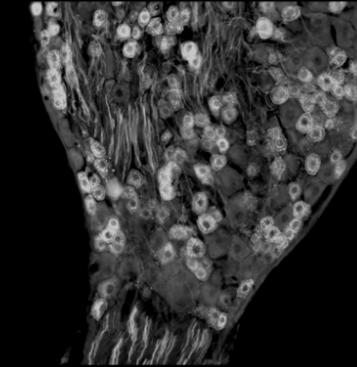
Robert Lundy: Mechanisms of central taste processing

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



Neural Injury and Repair

Charles Hubscher: Pelvic organ function and chronic pain following spinal cord injury

Jeff Petruska: Plasticity of peripheral nerves and spinal cord

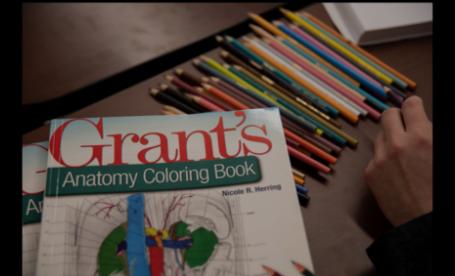
Anatomical Sciences and Instruction

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

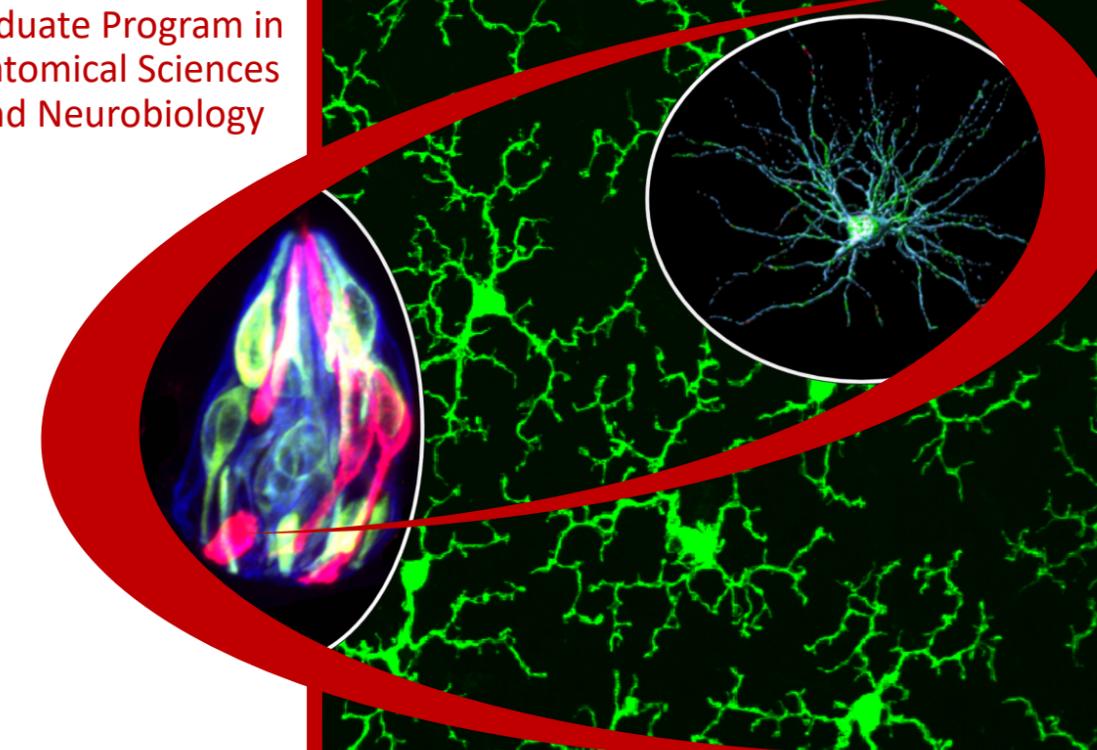
Guillermo Rougier: Anatomy and evolution of mammals



Department of Anatomical
Sciences and Neurobiology



Graduate Program in
Anatomical Sciences
and Neurobiology



louisville.edu/medschool/anatomy



Application Information

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

Or visit:

<http://louisville.edu/medicine/departments/anatomy/applications>



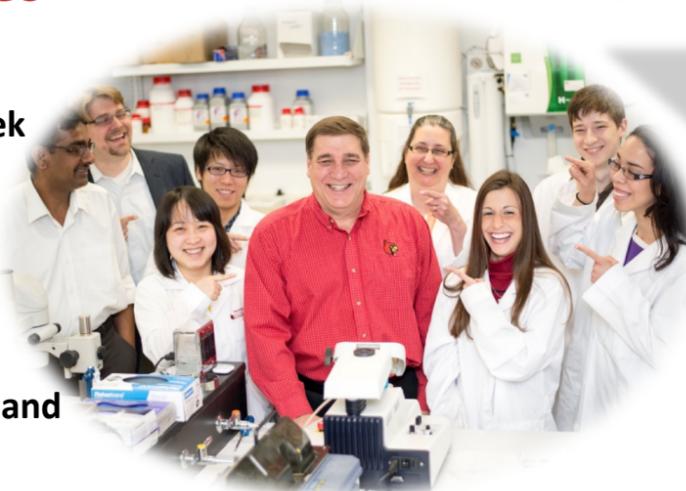
If you are unable to access the internet,
application forms and more information
can be obtained by contacting the
department at 502-852-5165.

UNIVERSITY OF
LOUISVILLE

Department of Anatomical Sciences and Neurobiology

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).

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

