



Cardiovascular & Respiratory
Endocrinology & Diabetes
Neuroscience
Reproduction & Development

GRADUATE STUDIES IN PHYSIOLOGY



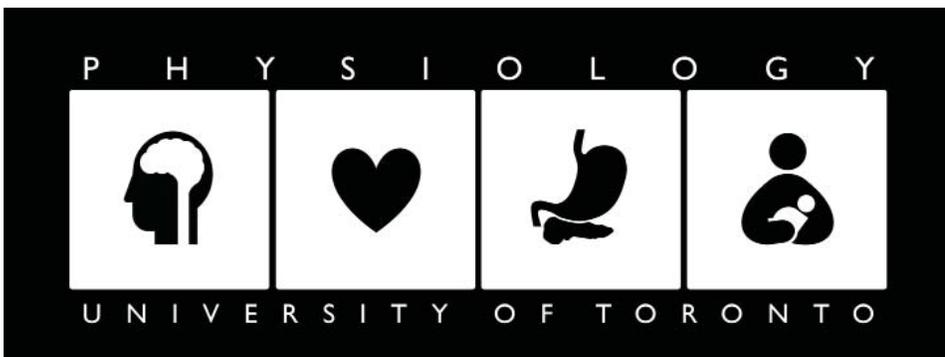
Physiology
UNIVERSITY OF TORONTO

Our students

GASP, the Graduate Association of Students in Physiology, represents graduate students in the Department

GASP's mission is to enhance the experience of students in the physiology graduate program. We encourage interaction between graduate students and faculty members through the following social events and academic activities:

- Annual Research Symposium on Frontiers in Physiology (FIP)
- Physiology BBQ Picnic
- Monthly Pub Nights
- Annual Christmas Luncheon
- Annual contest for the best Physiology T-Shirt design
- Community Volunteer Work



GASP WEBSITE:

<http://www.utoronto.ca/gasp>

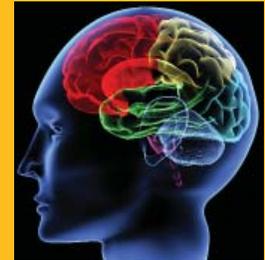
RESEARCH PLATFORMS

Cardiovascular and Respiratory: Research programs in the cardiovascular, respiratory and renal platform span both basic and clinically applied sciences; employ molecular, isolated tissue and organ preparation models; and systematically translate molecular findings to the patients' bedside with a focus on improving cardiovascular health. Investigators, based on campus at the University of Toronto or at the affiliated teaching hospitals and research institutes, have access to world-class facilities and have developed high profile, high-calibre scientific collaborative networks.



Endocrinology and Diabetes: The Endocrinology and Diabetes Platform continues the tradition of diabetes research as inspired by Banting and Best. Our group comprises many distinguished researchers who are at the forefront of their respective fields in the study of endocrine disorders. Areas of research range from the study of diabetes, obesity, endocrine development and dysfunction, and intestinal and pancreatic growth factors.

Neuroscience: This platform provides one of the most advanced Neuroscience Centres in North America. Members of the Neuroscience or "BRAIN" Platform have research programs that range from molecular genetics to understanding the physiology of learning and memory. The platform is internationally recognized for its advanced electrophysiology and optical imaging techniques.



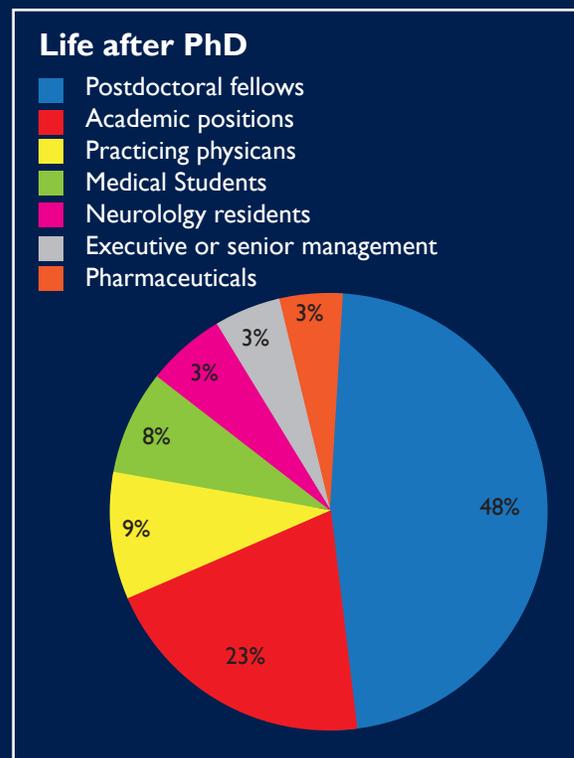
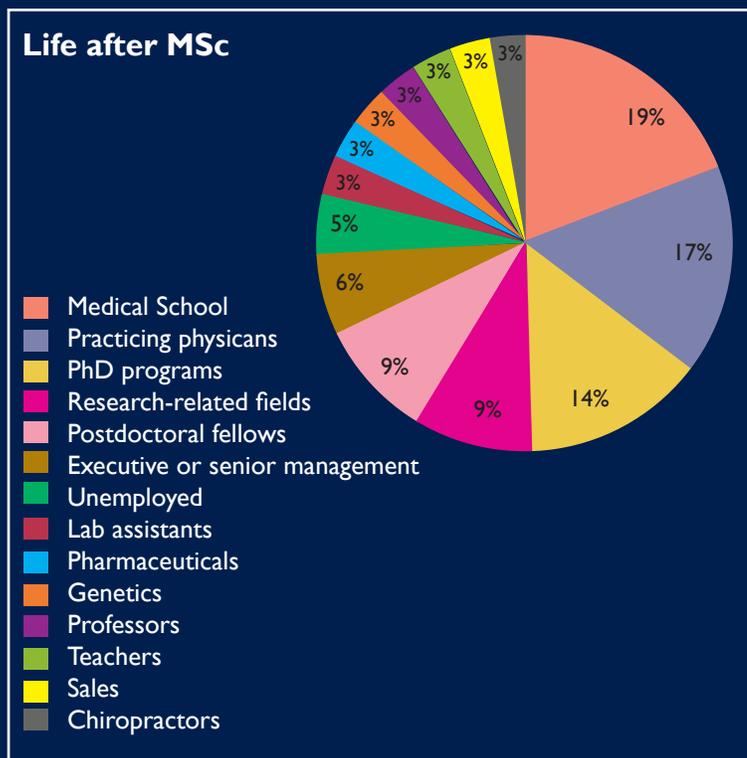
Reproduction and Development: This is one of the largest and most integrated groups in Reproduction and Development in North America, with exceptional national and international recognition. Research is focused on important clinical and basic research questions, with goals to advance understanding of reproductive physiology, pregnancy, and embryonic and fetal development. Synergy across disciplines from conceptions to adulthood is encouraged because prenatal and postnatal health is not independent.



The Department of Physiology

offers graduate programs leading to the Master of Science and Doctor of Philosophy degrees. Research ranges from the gene level to the organism level in areas including endocrinology and diabetes; reproduction endocrinology; fetal physiology, pregnancy, and parturition; neuroendocrinology; cardiorespiratory regulation; gastrointestinal motility; sensory physiology; motor control; brain development and aging; ionic channels and synaptic transmission; excitability, ultra-structure and plasticity of the brain

- Master of Science
- MD/PhD Program
- Doctor of Philosophy
- Collaborative Programs



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 For further information contact the Graduate Administrator at 416-978-2601, email: graduate.physiology@utoronto.ca