



Master Project – Interoception in health and disease

Our lab is interested in understanding the basic neurobiological mechanisms underlying emotions, cognition and behavior. We are more specifically looking at how neuronal circuits are affected by body physiological states and what role those interactions play in brain disorders.

Interoception, the sensing and processing of internal bodily signals by the brain, shapes higher brain functions. Altered interoception is emerging as an important factor in mental illness. However, the neuronal mechanisms mediating the role of interoception in psychopathology remain poorly understood. We have identified new neuronal circuits that monitor the body's homeostatic status and are involved in emotion processing.

In this project, you will investigate the mechanisms and circuits that convey visceral signals to the brain and test the physiological function of those systems. To this aim, you will use a combination of approaches including advanced whole-organ mesoscopic imaging methods in rodent and human tissues and state of the art neurophysiological techniques in genetic mouse models.

Students interested by this project are welcome to contact Dr Christophe Lamy by email at the address below.

Contact

Dr Christophe Lamy
Division of Anatomy
Faculty of Medicine, CMU
University of Geneva

Tel +41 22 379 5401
Email: christophe.lamy@unige.ch
<http://blog.unifr.ch/lamylab/>



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DE MÉDECINE

