

Introduction to Functional Neuroanatomy

Module 26C



Institute of Developmental
Biology and Neurobiology

Module description

Functional neuroanatomy is the study of the structure and organization of the nervous system in relation to its functions. It focuses on understanding the relationship between brain structure their connections, and the way they work together in controlling and regulating various bodily functions, including sensation, movement, cognition, and behavior. By studying functional neuroanatomy, we can gain insights into the underlying mechanisms of various neurological disorders and develop treatments to improve human health.

The course covers the basics of anatomy of the human and mice brain, with a focus on topics such as nervous system development, sensory and motor function, and learning and memory. During this lecture, we will also examine some of the similarities and differences between the anatomy of human and mouse brains, with a particular focus on their size, structure, and organization. There are no prerequisites for this course, but a basic understanding of bachelor's level biology is assumed. By the end of the course, students will possess a fundamental understanding of the nervous system and have the skill to apply this knowledge effectively.

Requirements

Bachelor degree in Biology or related disciplines

Eligible participants

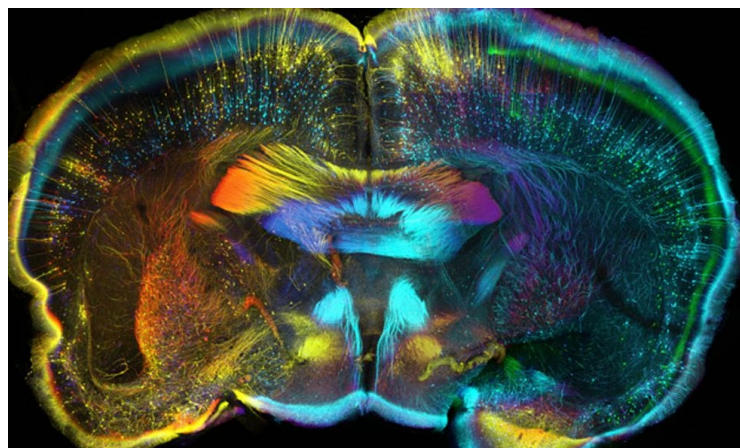
Master students of the 1st and 2nd semester

Availability

Winter/Summer semester, max. 12 students

Responsible Personen

Dr. Rajit Rajappa
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Rainbow colours reveal nerve cells in a cross-section of an adult mouse brain by Luis de la Torre-Ubieta, UCLA