Master course Advanced Microscopy

including hands-on sessions

Aim:
The course aims to provide an introduction to innovative microscopic techniques. The students will learn about the theoretical background of light microscopy and fluorescence lifetime imaging and its applications for metabolic and structural imaging. In hands-on sessions, the students will learn to image biological samples including data processing and image analysis. The course will develop and implement a small research question to investigate tissues of the fruit fly Drosophila melanogaster and the hermaphroditic flatworm Macrostomum with a focus on reproductive tissues and cells. Each small research project includes a short assay.

Please sign in by email to: Cornelia.Wetzker@tu-dresden.de before December 20, 2019

(Cornelia Wetzker, Applied Zoology, Institute of Zoology, TU Dresden)

20.1.20 – 31.1.20 (weeks 13 and 14) – 5 Leistungspunkte

fruit fly

male and female sperm storage organs

Macrostomum