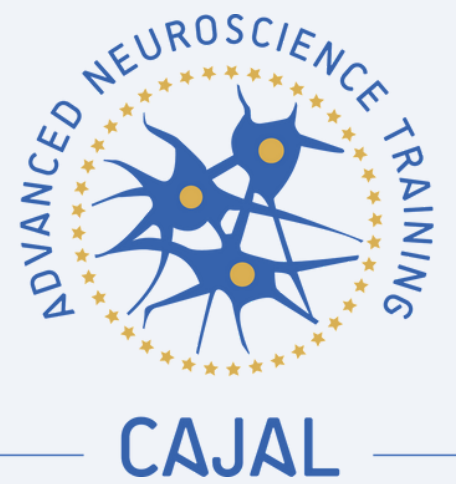
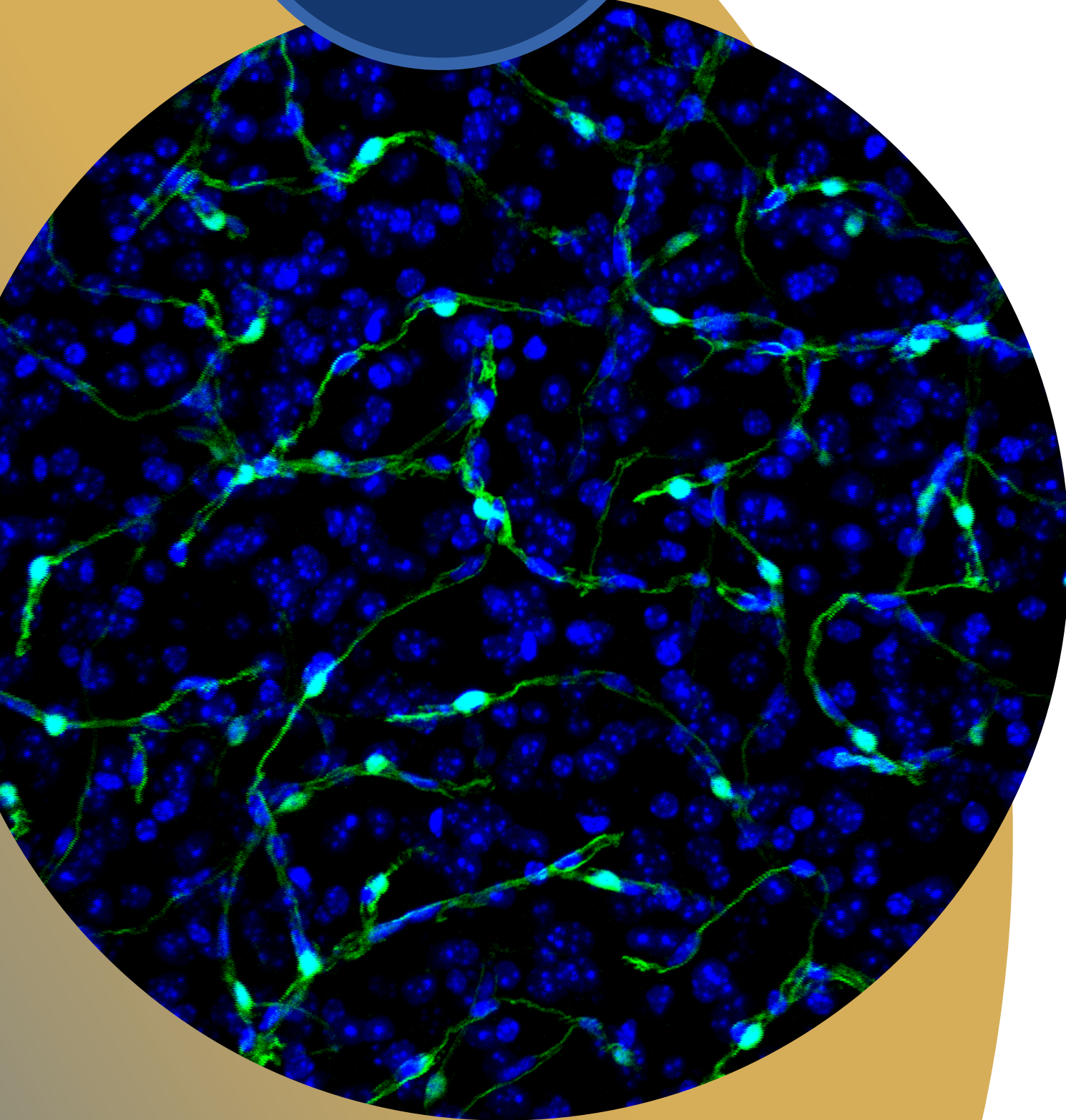




20 Mar - 7 Apr 2023

Neuro-vascular function in health and disease

APPLICATION
DEADLINE
7 Nov 22



The neurovascular unit, composed of vascular cells, glial cells, and neurons is fundamental for the proper function of the brain. The NVU regulates supply of the cerebral blood flow (CBF) and maintains integrity of the blood-brain barrier (BBB).

Dysfunction of the neurovascular unit may result in devastating conditions such as dementia, cerebral ischemia, or brain oedema formation. This advanced experimental course will allow students to gain basic knowledge and hands-on experience on the most important techniques used to study the neurovascular unit, such as *in vivo/in vitro* high-resolution imaging, magnetic resonance imaging, and rodent models of cerebrovascular disease. The course will also focus on data reproducibility and open science.

COURSE DIRECTORS

Nikolaus Plesnila (Ludwig Maximilian University, DE)

Catherine Hall (Sussex University, UK)

Jérôme Badaut (University of Bordeaux, FR)

KEYNOTE SPEAKERS

David Attwell (University College London, UK)

Felipe Barros (Centro de Estudios Científicos, CL)

Serge Charpak (University of Paris, FR)

Turgay Dalkara (Hateceppe University, TR)

Ali Ertürk (University of Munich, DE)

Jean Francois Gherzi-Egea (Lyon Neuroscience Research Centre, FR)

Anne Joutel (University of Paris, FR)

Martin Lauritzen (University of Copenhagen, DK)

Malcolm MacLeod (University of Edinburgh, UK)

Pierre Magistretti (University of Lausanne, CH)

Maiken Nedergaard (University of Copenhagen, DK)

Mark Nelson (University of Burlington, US)

Andy Obenhaus (USI, US)

Andy Shih (Medical University of South Carolina, US)

Robert Thorne (Denali Therapeutics / University of Wisconsin-Madison, US)

Susanne Van Veluw (Harvard Medical School, US)