Course advertisement

From multi-sensory integration to motor performance: theory and clinical application

To understand human movement, we need to know how the central nervous system integrates visual, vestibular, and proprioceptive information to optimize balance, navigation, gaze stabilization, and perception of gravity and self-motion. This course offers an integrative approach to the problem by concentrating on the physiology and psychophysics of human responses to physically well defined stimuli. We will also touch upon the clinical relevance of found principles.

The course is open to all PhD students. Students of the PhD Program in Integrative Molecular Medicine (imMed) have priority.

Dates / time
October to December 2018
(10 lectures/practicals at 2 hours each)

Venue
University Hospital Zurich, room BOL 28 U3
Bolleystrasse 28, Zurich

Type
Lectures and practical lab classes

Preparation
Prereading - to be announced

Maximum participants
8

Course coordinator
Dr. Giovanni Bertolini (giovanni.bertolini@usz.ch)
Biomedical Engineer, Head of Swiss Space Travel and AiR Sickness group (SSTARS), Clinical Vestibulo-Oculomotor Lab Neurology Department, University Hospital Zurich

Further information
imMed Coordinating Office (preisig@zihp.uzh.ch)

Credit points
2 ECTS credit points (short MC examination)

Registration
By e-mail to preisig@zihp.uzh.ch before September 28, 2018