

# Summer School „Imaging the brain“

August 4-8, 2014, University of Zurich, Irchel Campus and  
University Hospital Zurich

Each day consists of a theory module (9am-12) followed by a practical workshop in the afternoon (1-5pm)

Day 1: Monday 4.8	Measuring the electrical activity of single nerve cells (PD. Dr. D. Kiper). Students learn the theory and basic techniques used to record the electrical activity of individual nerve cells.
Day 2: Tuesday 5.8	Observing functioning nerve cells in the animal brain (Group of Prof. F. Helmchen). Students discover how the activity of entire cell populations can be observed in the living brain.
Day 3: Wednesday 6.8	Measuring the human brain's electrical activity (Profs. R. Huber and H.P. Landolt). This module focuses on methods to study the electrical activity of the entire human brain.
Day 4: Thursday 7.8	Seeing and stimulating the human brain in action (Group of Prof. C. Ruff: M. Gruschow, A.R. Beharelle, M. Moisa). Students learn about techniques to visualize the human brain using Magnetic Resonance Imaging.
Day 5: Friday 8.8	Studying the human brain with infrared light (Group of Prof. M. Wolf). This day is dedicated to using infrared light to study the active human brain.

Program organization:

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