

FENS-IBRO Training Center 2013: EPFL-CHUV

WEEK 3: September 9-13

Perceiving, Integrating and Controlling the Sensory Environment

	Monday 9	Tuesday 10	Wednesday 11	Thursday 12	Friday 13
ROOM	SG building, room SG0213	SG building, room SG0213	SG building, room SG0213	SG building, room SG0213	SG building, room SG0213
TOPIC	Multisensory interactions	Auditory processing	Neurostimulation & NIRS	High-field fMRI in humans	BCI & Neuroprosthetics / Interaction & Self-Perception
9:00	INTRO and Micah Murray	Melissa Saenz	Carlo Miniussi	Roberto Martuzzi	José Millan
9:40	Charles Schroeder	Tim Griffiths	Gregor Thut	Wietske Van der Zwaag	Ricardo Chavarriaga
10:20	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
10:50	Mark Wallace	Stephanie Clarke	Robert Leeb	GENERAL DISCUSSION	Olaf Blanke
11:30	GENERAL DISCUSSION	GENERAL DISCUSSION	CONTROVERSY ROUNDTABLE	Student Talks 10-15	Andrea Serino
11:50	Student Talks 1-3	Student Talks 4-6			GENERAL DISCUSSION
12:40	Lunch	Lunch	Student Talks 7-9	13:00 Lunch	Lunch
14:00	LAB WORK	LAB WORK	13:30 Lunch	LAB WORK	LAB WORK
17:30			LAB WORK		
EVENING	18:00 Science Communication				Lab Work Presentations
	19:00 Prof. Stefan Treue: CARE LECTURE				

Date	Speaker name	Institution	Topic of lecture
Monday 9	Micah Murray	CHUV-UNIL	A multimodal approach to multisensory interactions in humans
	Charles Schroeder	Nathan Kline Inst., NY, US	Anatomy and physiology of integration at node and network levels
	Mark Wallace	Vanderbilt, TN, US	Experimental and Analytical Approaches to Studying Multisensory Processing – from Single Neurons to Perception
Tuesday 10	Melissa Saenz	CHUV & EPFL	How does the brain hear? Fine-scale mapping of function in the human auditory cortex using high-field fMRI
	Tim Griffiths	University of Newcastle, UK	Brain Imaging of Auditory Disorders
	Stephanie Clarke	CHUV-UNIL	Sound objects in space
	Stefan Treue	German Primate Center, Goettingen and Goettingen University	CARE LECTURE: Ethical, legal and scientific aspects of basic neuroscience research on animals
Wednesday 11	Carlo Miniussi	Brescia University, IT	How non-invasive brain stimulation can be framed In cognitive neuroscience
	Gregor Thut	University of Glasgow, UK	New ways of using transcranial magnetic stimulation (TMS): Interacting with brain oscillations to modify brain function using rhythmic TMS
	Robert Leeb	EPFL	Near-infrared spectroscopy based brain-machine interfaces
Thursday 12	Roberto Martuzzi	EPFL	Mapping the human primary somatosensory cortex using 7T fMRI: relevance for perception and consciousness
	Wietske van der Zwaag	EPFL	How can neuroscience benefit from high-field MRI systems?
Friday 13	José Millan	EPFL	Design Principles for Brain-Machine Interaction
	Ricardo Chavarriaga	EPFL	Exploiting cognitive signals for brain-machine interfaces
	Olaf Blanke	EPFL	Neuroscience of self-consciousness
	Andrea Serino	EPFL and University of Bologna, IT	Neural mechanisms, functions and plasticity of peri-personal space representation in humans