

ICPBR Summer School Program

Sept 09, MON		Sept 10, TUE		Sept 11, WED		Sept 12, THU		Sept 13, FRI		Sept 14, SAT		Sept 15, SUN	
8:30		REGISTRATION		REGISTRATION		REGISTRATION		REGISTRATION		REGISTRATION		REGISTRATION	
9:00	REGISTRATION	Goran ANGELOVSKI		Elena BORRA		Henry EVRARD		Igor KAGAN		Alexander MAIER		Dora ANGELAKI	
9:30		Molecular fMRI as novel and useful tool in systems neuroscience		Large-scale cortical networks for motor and cognitive motor functions in the primate brain		Functional and comparative neuroanatomy of interoception		Sensorimotor functions of thalamic pulvinar and pulvinar-cortical interactions		Cortical columnar circuits and canonical computations		Belief embodiment through eye movements facilitates memory-guided navigation	
10:00	WELCOME SESSION												
10:30	Muming POO	BREAK/POSTER		BREAK/POSTER		BREAK/POSTER		BREAK/POSTER		BREAK/POSTER		BREAK	
11:00		Tadashi ISA		Andreas NIEDER		Gustavo DECO		Pieter ROELFSEMA		Andreas TOLIAS		Stelios SMIRNAKIS	
11:30	Non-human models of brain diseases	Pathway-selective optogenetic and chemogenetic manipulation to study the sensorimotor and cognitive functions in macaque monkeys		Number neurons in the human and nonhuman primate brain		The thermodynamics of mind		The brain processes for conscious visual perception and the technology that could restore it in blindness		The fabric of the neocortex		Functional connectivity analysis in cortical microcircuits: what it can teach us about the architecture of multi-neuronal processing	
12:00													
12:30	LUNCH												
13:00		LUNCH-DISCUSSION (Methods of the 21st century)		LUNCH-DISCUSSION (Career)		LUNCH-DISCUSSION (Ethics)		LUNCH-DISCUSSION (Key questions for 21st century)		LUNCH-DISCUSSION (Free topic)		LUNCH	
13:15	Students presentation (1min*11) Part 1 (15')												
13:30	Vishal KAPOOR	TRANSFER TO ION (BUS)		Burke ROSEN		Anna MITCHELL		Yong GU		Nicola PALOMERO-GALLAGHER		CLOSING REMARK	
14:00													
14:30	Neural correlates of conscious perception in the primate brain			Structure, function, and gene expression in human and non-human primate cerebral neocortex		Primate mediodorsal thalamus: cortico-thalamocortical connectivity and functional contributions to learning and decision-making		Spatial and temporal congruency of multisensory integration for self-motion perception		Receptor architectonic mapping of the macaque monkey brain			
15:00	BREAK			BREAK (15')		BREAK/POSTER		BREAK/POSTER		BREAK/POSTER			
15:15	Students presentation (1min*10) Part 2 (15')			TRANSFER TO ICPBR (BUS)									
15:30	Kristine KRUG	ION VISIT: Series of short lectures by NHP PIs and lab visits.				Nikos LOGOTHETIS		Anna MITCHELL		Renée HARTIG			
						Interaction of Hippocampal Ripples, Theta Oscillations and Pontine-Geniculo-Occipital waves leading to brain wide metastates related to learning and memory consolidation		NHP research advocacy and outreach		NHP fMRI pre-processing and analysis			
16:30				ICPBR VISIT: Visit of the different labs and facilities.				BREAK/POSTER		BREAK/POSTER			
17:00	BREAK												
17:15	Students presentation (1min*10) Part 3 (15')												
17:30	Jennifer SMUDA					Forum on Brain States (Moderated by Allison Abbott)							
		TRANSFER TO EVENT (BUS)						Computational approaches to neuroscience		Monkey see, monkey do – behavioural shaping and psychophysical measures of primate cognition			
18:00	Ethics in NHP Neuroscience			DINNER: at ICPBR for students and free dinner arrangement for speakers				DINNER: Speakers banquet + Dinner at the School venue for students		Free evening for all, with possibility to register for dinner at the School venue			
18:30	Students presentation (1min*10) Part 4 (15')												
19:00	WELCOME DINNER (at the School venue)	SOCIAL EVENT - HUANGPU RIVER CRUISE DINNER- exclusively for the ICPBR Summer School students, as well as for the speakers who might be interested				DINNER: at the School venue							
19:30				TRANSFER TO HOTEL (BUS)									
20:00								Open Discussion: Free group discussions on the most interesting advances in Systems Neuroscience					
20:30													
21:00		TRANSFER TO HOTEL (BUS)				Open Discussion: Free group discussions on the meaning of Brain States							
21:30													

Note: The events highlighted in blue are exclusively for the ICPBR Summer School students and lecturers.