

Monday 1st June 1. Brain Networks (I)	
09:00 - 09:10	Opening Remarks
09:10 - 09:45	An introduction to network science in the brain (Qawi Telesford)
09:45 - 10:20	Generative models of the human connectome (Richard Betzel)
10:20 - 10:55	How does the topology of neuronal network change during spatial learning? (Paul Brodersen)
10:55 - 11:10	Coffee Break
11:10 - 11:45	Determinants of dynamic reconfigurations in human brain networks (Matthias Ekman)
11:45 - 12:20	Modeling resting-state functional brain networks: from population data to individual subjects (Joaquín Goñi)
12:20 - 12:55	The connectome as an underlying infrastructure of disease propagation (Ruben Schmidt)
Monday 1st June 1. Brain Networks (II)	
3.00pm - 3.10pm	Opening (A. Gabrielli)
3.10pm - 3.30pm	Routes to adaptation in functional brain networks (T. Gili)
3.30pm - 4.00pm	Networks of the biological clock (J. Meijer)
4.00pm - 4.30pm	Criticality and correlations in neuronal networks (L. De Arcangelis)
4.30pm - 4.50pm	Percolation and cascading in a brain network of networks (H. Makse)
4.50pm - 5.10pm	Coffee break
5.10pm - 5.30pm	Detecting cluster structure of resting state fMRI brain networks: percolation vs modularity features (T. Squartini)
5.30pm - 6.00pm	A novel brain partition highlights the modular skeleton shared by structure and function (M. A. Muñoz)
6.00pm - 6.30pm	Average synaptic activity and neural networks topology: a global inverse problem (R. Burioni)
6.30pm - 7.00pm	The modular structure of brain networks and the resolution limit (A. Bifone)
Tuesday 2nd June 1. Brain Networks (III)	
09:00 - 09:10	Opening (J.M. Buldu - M. Chávez)
09:10 - 09:50	Excitable neural dynamics based on topological features of brain networks (C. Hilgetag)
09:50 - 10:30	The Human Connectome in Health and Disease: Organization and Development of Hierarchical Brain Networks (M. Kaiser)
10:30 - 11:00	The organization of brain networks during normal and abnormal development (P. Vertes)
11:00 - 11:30	Coffee break
11:30 - 12:10	Dynamical organization of neural activity in brain networks (J. Garcia-Ojalvo)
12:10 - 12:50	Exploring effective connectivity in neuronal cultures. Applications to medicine (J. Soriano)
12:50 - 13:20	The link between the structural and the functional connectome (Gorka Zamora)
13:20 - 13:30	Concluding remarks (F. De Vico Fallani - D. Papo)