

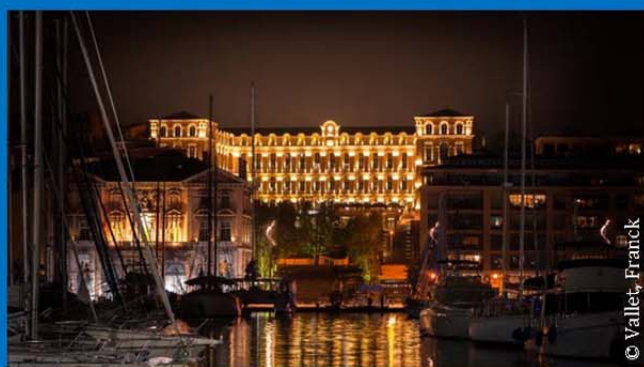
15-16 April 2018
Marseille - France

Neuroplasticity: from synapses to circuits

Organized by
Rosa COSSART &
Dominique DEBANNE

Registration before : 16 March 2018

On Website : www.inmed.fr/congre/
Contact : neuro-conferences@inserm.fr



InterContinental - Hôtel Dieu - Marseille

SPEAKERS

Marlene BARTOS (BCF, Germany)
Nicolas BRUNEL (Duke University, USA)
Dean BUONOMANO (UCLA, USA)
Juan BURRONE (King's College, England)
Frédéric CHAVANE (INT, France)
Valérie CREPEL (Inmed, France)
Jérôme EPSZTEIN (Inmed, France)
Sonia GAREL (Ibens, France)
Cyril HERRY (Neurocentre Magendie, France)
Karri LAMSA (University of Szeged, Hungary)
Jeffrey C. MAGEE (HHMI, USA)
Judit MAKARA (KOKI, Hungary)
Oscar MARIN (King's College, England)
Liset MENENDEZ de la PRIDA (CSIC, Spain)
Ole PAULSEN (University of Cambridge, England)
Laurent VENANCE (Collège de France, France)
Mickaël ZBILI (Unis, France)

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Preliminary Program

Sunday, 15th of April, 2018

08:30 – 09:20	Registration
09:20 – 09:30	Welcome introduction
09:30 – 12:15	SESSION 1 - Plasticity: from molecular mechanisms to synaptic physiology Chairman: Rosa COSSART 09:30 – 10:15 Oscar MARIN Murder in the cortex express: a balancing act in the assembly of cortical networks 10:15 – 11:00 Sonia GAREL Microglia in the early wiring of the neocortex
11:00 – 11:30	Coffee break
	11:30 – 12:15 Juan BURRONE Activity dependent development of axo-axonic synapses along the axon initial segment
12:15 – 13:30	Lunch
13:30 – 15:00	SESSION 2 - Synaptic plasticity: spikes and time Chairman: Dominique DEBANNE 13:30 – 14:15 Ole PAULSEN Neuromodulation of spike timing-dependent plasticity: from retroactive modulation to synaptic eligibility traces 14:15 – 15:00 Laurent VENANCE Conditions for the emergence of Hebbian plasticity in striatum
15:00 – 15:30	Coffee break
15:30 – 17:30	SESSION 2 - second part - Synaptic plasticity: spikes and time Chairman: Frédéric CHAVANE 15:30 – 16:15 Nicolas BRUNEL From synaptic plasticity rules to network dynamics 16:15 – 17:00 Dean BUONOMANO The Neural Basis of Timing: Plasticity and Dynamics in Neural Microcircuits
17:00 – 19:00	Posters session
20:00 – 23:00	Gala Dinner

Monday, 16 April

09:00 – 10:30	SESSION 3 - Plasticity of Intrinsic Excitability Chairman: Sonia GAREL 09:00 – 09:45 Mickaël ZBILI Ion channels in the axon: their role in short-term dynamics and homeostatic plasticity 09:45 – 10:30 Valérie CREPEL Synaptopathy in temporal lobe epilepsy: role of kainate receptor
10:30 – 11:00	Coffee break 11:00 – 11:45 Jérôme EPSZTEIN Cellular mechanisms of place cell activation
11:45 – 13:00	Lunch
13:00 – 14:30	SESSION 4 - Cell-type dependent plasticity Chairman: Valérie CREPEL 13:00 – 13:45 Marlene BARTOS Mechanism underlying Interneuron plasticity 13:45 – 14:30 Karri LAMSA Plasticity in Single Axon Glutamatergic Connection to GABAergic Interneurons Regulates Complex Events in the Human Neocortex
14:30 – 15:00	Coffee break
15:00 – 16:30	SESSION 4 - second part - Cell-type dependent plasticity Chairman: Ole PAULSEN 15:00 – 15:45 Judit MAKARA Cooperative synaptic plasticity in pyramidal cell dendrites 15:45 – 16:30 Liset MENENDEZ de la PRIDA Deep-superficial perspectives of hippocampal function in health and disease
16:30 – 16h45	Coffee break
16:45 – 19:00	SESSION 5 - From plasticity to behavior Chairman: Jérôme EPSZTEIN 16:45 – 17:30 Cyril HERRY Prefrontal-midbrain circuits controlling fear behavior 17:30 – 18:15 Frédéric CHAVANE The role of cortical waves in shaping the dynamic processing of visual information 18:15 – 19:00 Jeffrey C. MAGEE Title – coming soon
19:00 – 19 :15	End of conference & conclusion