15-16 April 2018 Marseille - France

Neuroplasticity: from synapses to circuits

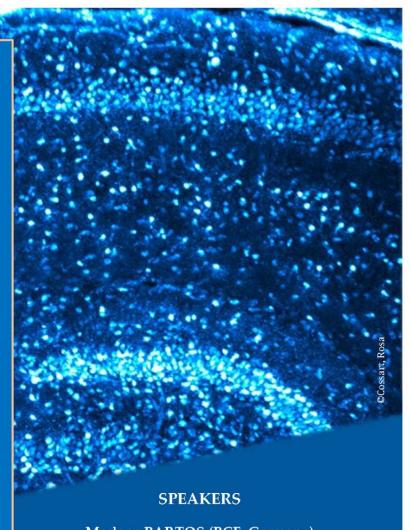
Organized by Rosa COSSART & Dominique DEBANNE

Registration before: 16 March 2018

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



InterContinental - Hôtel Dieu - Marseille



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)









## **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 Laurent VENANCE	
	14:15 – 15:00	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	
	16:15 – 17:00	From synaptic plasticity rules to network dynamics  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
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14:30 – 15:00	Coffee break	
15:00 – 16:30		ond part - Cell-type dependent plasticity PAULSEN
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	session 4 - sec Chairman: Ole F	PAULSEN
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