Symposium: From Cortical Microcircuits to Consciousness 11–13 April 2022					
Time	Monday, 11 April 2022	Time	Tuesday, 12 April 2022	Time	Wednesday, 13 April 2022
8:00 - 9:00	Registration & get to know	8:00 - 09:00	Coffee	8:00 - 09:00	Coffee
9:00 - 9:30	Welcome & Introduction Alain Destexhe Centre National de la Recherche Scientifique Walter Senn University of Bern		Session III - Neural correlates of perception Chair: Alain Destexhe Centre National de la Recherche Scientifique		Session V - Brain rhythms and neural correlates of consciousness Chair: Walter Senn University of Bern
	Human Brain Project: Challenges and Achievements Katrin Amunts (Human Brain Project Scientific Research Director)				
	Session I - EBRAINS and cortical connectome Chair: Katrin Amunts Forschungszentrum Jülich	09:00 - 09:40	Multimodal sensory integration and awareness Cyriel Pennartz University of Amsterdam	09:00 - 09:40	Visual cortical prosthesis to restore vision Pieter Roelfsema Netherlands Institute for Neuroscience
9:30 - 10:00	Introduction to EBRAINS and The Virtual Brain Viktor Jirsa Aix-Marseille University	09:40 – 10:20	Measures of consciousness Johan Storm University of Oslo	09:40 - 10:20	Bottom-up construction of brain models for sensory processing and perception Alain Destexhe EITN
10:00 - 10:30	The cortical connectome as a scientific endeavour Christof Koch Allen Institute for Brain Sciences	10:20 - 10:40	Career Coffee break with Cyriel Pennartz	10:20 - 10:50	Career Coffee break with Christof Koch
10:30 - 11:00	Coffee break	10:40 - 11:20	Cortical feedback signals Lars Muckli University of Glasgow	10:50 - 11:30	Neural correlates of consciousness Marcello Massimini University of Milan
11:00 – 11:40	EBRAINS for modelling neurons, networks and synaptic plasticity Michele Migliore Italian National Research Council	11:20 - 12:00	Creative sleep, adversarial dreams, and the need of awareness Walter Senn University of Bern	11:30 - 12:30	Conscious Brains and Machines Christof Koch Allen Institute for Brain Sciences
11:40 – 12:00	Hippocampal learning and Alzheimer's disease Ausra Saudargiene Lithuanian University of Health Sciences	12:00 – 13:20	Lunch break	12:30 - 13:30	Lunch break
12:00 - 12:40	Multiscale models of basal ganglia in learning and conscious processing Jeanette Hellgren-Kotaleski KTH Royal Institute of Technology		Session IV - Awareness & consciousness Chair: Viktor Jirsa Aix-Marseille University		Parallel Sessions
12:40 - 14:00	Lunch break	13:20 – 14:00	Learning to uncover structure: insights from intracranial EEG Lucia Melloni Max Planck Institute for Empirical Aesthetics	13:30 - 15:00	Poster Sessions
	Session II - Neural basis of learning and cognition Chair: Michele Migliore Institute of Biophysics, Italian National Research Council	14:00 - 14:40	Global brain states, cognition and consciousness Stanislas Dehaene Collège de France	13:30 - 15:00	Hands on The Virtual Brain. Workflows of The Virtual Brain for brain network simulations and data integration Marmaduke Woodman Aix-Marseille University
14:00 - 14:40	Perceptual awareness and top-down control Matthew Larkum Humboldt University Berlin	14:40 - 15:10	Career Coffee break with Lucia Melloni		Session VI - Learning and brain dynamics in diseased brain Chair: Ausra Saudargiene Lithuanian University of Health Sciences
14:40 - 15:20	Modeling conscious neurons Panayiota Poirazi FORTH Institute of Molecular Biology & Biotechnology	15:10 - 15:50	On the neural correlates of consciousness Melanie Boly University of Wisconsin	15:00 - 15:40	Epilepsy and the Virtual Brain Viktor Jirsa Aix-Marseille University
15:20 – 15:50	Career Coffee break with Matthew Larkum	15:50 - 16:30	Prefrontal state controls access to consciousness Theofanis I. Panagiotaropoulos Inserm, Neurospin	15:40 - 16:20	Astrocyte-neuron interactions: From synapses to cognition and brain disease Marja-Leena Linne Tampere University
15:50 - 16:30	Plasticity on behavioural time scales Wulfram Gerstner EPFL	16:30 - 17:00	Coffee break	16:20 – 17:00	Brain network simulations in disease Petra Ritter Charité University Medicine Berlin
16:30 – 17:10	Learning in minds and machines Chris Summerfield University of Oxford	17:00 – 18:00	Public Keynote Evening Lecture The Importance of Being Conscious Kathinka Evers Uppsala University	17:00 – 17:30	Farewell
19:00 – 22:30	Live Jazz Welcome Reception at the Tour Montparnasse	18:00 – 19:00	Panel Discussion: Ethics and Consciousness Research Chair: Cyriel Pennartz University of Amsterdam Kathinka Evers Uppsala University Christof Koch Allen Institute for Brain Sciences Lucia Melloni Max Planck Institute for Empirical Aesthetics		