

CEST (UTC+2)	Event	Day 1 - 25 Aug, Wed (updated July 28, 2021)		
09:00 - 09:45	IBRO PERC lecture	Jürgen Knoblich Modeling human development and disease in cerebral organoids (chair: Ewelina Knapska)		
09:45 - 10:30	Plenary lecture	Naomi Anne Fineberg Problematic usage of the Internet – disorders, mechanisms and interventions (chair: Julius Burkauskas)		
10:30 - 11:30	Live discussion	Naomi A. Fineberg and Zsolt Demetrovics Internet addiction: learning to deal with problematic usage of the Internet		
12:00 - 13:00	Symposia	Gut, microbiota and the brain (chairs: Aurelijus Burokas) Harriet Schellekens Novel insights into microbiota-gut-brain signalling in reward and obesity Filipe De Vadder Shaping a second brain in the bowel: a microbial perspective in the context of malnutrition Elena Martin-García MicroRNAs and gut microbiota signatures for vulnerability to food addiction Aurelijus Burokas Targeting the microbiota-gut-brain axis in Alzheimer's disease	The synaptic bases of mental diseases (chair: Camilla Bellone) Stephan Eliez Neurodevelopmental markers of early transition to psychosis in 22q11 Deletion Syndrome. Alan Carleton Analysis of microcircuit dysfunctions in animal models of psychiatric disorders Marie Scher Measuring neurodevelopmental trajectories of preschoolers with autism Camilla Bellone Neuronal mechanisms underlying social deficits in animal models of Autism Spectrum Disorders	Perspectives of brain stimulation for memory (chair: Jovana Bjekić) Daria Antonenko Individual differences in electric fields induced by transcranial electrical stimulation Justin Riddle Causal role of cross-frequency coupling in cognitive control Jovana Bjekić Personalized frequency-modulated oscillatory tDCS for memory enhancement Marco Sandrini Modulation of episodic memory in aging
13:00 - 15:00	Poster session & lunch break			
15:00 - 16:00	Special Interest Events	EJN Best Publication Award 2021 Lectures (chairs: Antoine Adamantidis, Paola Bovolenta) Debra J. Skene Metabolomics of sleep deprivation: sex differences Ulrich Schüller TCF4 in development and tumorigenesis of the central nervous system	How to maximize benefit from good res. practice? (chairs: Anton Bespalov, Małgorzata Pietraszek) Thomas Steckler Negatives are positives: how to publish negative data Chantelle Ferland-Beckham Raising the bar: the role of funder in rewarding high-quality research Valentina Vengeliene Research quality from the perspective of academia Małgorzata Pietraszek High quality standards as a vehicle to attract collaboration	Pitch your science communication project! Six competitors selected from the satellite workshop (for details see: Tue, Aug 24, 2-4 PM CEST) will pitch their science communication project to a jury of experts. The best three projects in the following categories: online science communication, science communication for younger audiences and animal research for non-scientific audiences, will be rewarded with a grant to fund their project. All FRM registrants are welcome to watch the competition and vote for their favourite project!
16:00 - 16:45	Special Interest Event	CAJAL Advanced Neuroscience Training Programme Special Interest Event The CAJAL Advanced Neuroscience Training Programme aims to teach basic and fundamental neuroscience concepts as well as state-of-the-art techniques, data analysis and computer skills to train the next generation of top-notch neuroscientists. During this session, Dr Elena Dreosti (Cajal Executive Director) will present the training course programme that CAJAL offers and provide an overview of how students can benefit from attending CAJAL courses online and in person. This will be followed by a Q&A session. Speakers: Prof Eero Castrén (University of Helsinki, Finland - Cajal President), Dr Elena Dreosti (UCL, UK - Cajal Executive Director), Prof Christophe Mulle (University of Bordeaux, France - Director of the Cajal Venue in Bordeaux), Prof Michael Hausser (UCL, UK - Director of the Interacting with Neural Circuits course), Dr Alexandra Leighton (Open Ephys Production Site, Portugal - Director of the Extracellular Electrophysiology Acquisition NeuroKit course), Ayse Malci (Leibniz Institute for Neurobiology Magdeburg, Germany - Participant of Cajal Advanced Techniques for Synapse Biology course 2019). More information on this event here: http://cajal-training.org/event-frm-2021/		
16:45 - 17:30	Plenary lecture	Amita Sehgal Biology of bedtime: cellular insights into why we sleep (chair: Elżbieta Pyza)		
17:30 - 18:30	Symposia	Circadian clocks: more beyond neurons (chairs: Gabriella Mazzotta, Milena Damulewicz) Erik Herzog Circadian astrocytes: Networked in cortex and cancer Davide Tonelli Exploring mechanisms of microRNA rhythms in the mouse cerebral cortex Cristiano Bertolucci How fish "sense" the light? Fish as model to study the deep brain photoreception Gabriella Mazzotta Cryptochrome: the dark side of a circadian photoreceptor comes to light	Impact of early life experience on prefrontocortical circuits (chairs: Marzena Maćkowiak, Juan Nacher) Juan Nacher Impact of early aversive experiences on the structure, connectivity and plasticity of prefrontocortical neurons Laurence Coutellier Adolescent stress and disruption of prefrontal inhibitory maturation. Naguib Mechawar Child abuse associates with increased recruitment of perineuronal nets in the ventromedial prefrontal cortex Marzena Maćkowiak Epigenetic regulation in the prefrontal cortex: relevance to schizophrenia	Female brain as a target of sex hormones (chair: Ramunė Griškienė) Rachel G Zsido No more stigma, it's science: Joint dynamics of menstrual cycle and brain structure Esmeralda Hidalgo-Lopez Dynamic causal modelling of the menstrual cycle: predicting ovulation from brain connectivity Erika Comasco Progesterone antagonism beneficial for premenstrual dysphoric disorder Ann-Christin Kimmig Investigating effects of oral contraceptives on women's intra and intersexual social behaviours
18:45 - 19:30	Social Events	<i>To be announced</i>		