

CEST (UTC+2)	Event	<p style="text-align: center; color: red;">Satellite events - 23 Aug, Mon (updated Aug 19, 2021)</p> <p style="text-align: center; color: red;">Please remember: satellite symposia have separate registration. You may still register for these events (please see details below).</p>	
11:00 - 11:15	Opening of the symposium	<p><b>The Second Ultrasonic Vocalization Conference</b> (organized by: Wiktoria Karwicka, Adam Hamed, Paweł Boguszewski, Robert Kuba Filipkowski)</p> <p>The 2nd Ultrasonic Vocalization Conference (virtual) is an international exchange of insights on the phenomenon of ultrasound vocalization, sound communication between animals and the possible existence of animal language, which may be an evolutionary prototype of communication in humans. We aim to address whether vocalization is only an expression of emotions or beyond. Invited speakers will present the neurobiological correlates of ultrasound vocalization and demonstrate unique vocalization analysis and sound separation methods. This Ultrasonic Vocalization Conference provides an excellent opportunity to share academic developments, research findings, and experiences on this exciting emerging topic with attendees from around the World. Confirmed speakers include: Stefan Brudzynski, Jeffrey Burgdorf, Richard Mooney, Fabrice de Chaumont, Nicola Simola, Markus Wöhr, Adam Hamed, Paweł Boguszewski, Robert Kuba Filipkowski, Kinga Gzielo and Miron Kursa. More information and registration: <a href="http://ultrasonicvocalizations.net">http://ultrasonicvocalizations.net</a></p>	
11:15 - 12:40	Session Part 1	<p><b>Ultrasonic vocalizations: mania, anxiety, reward and social pleasure - part 1</b> (chairs: Paweł Boguszewski, Adam Hamed)</p> <p>Markus Wöhr            Ultrasonic Vocalizations: Modeling Mania in Rats.  Nicola Simola        Use of 50-kHz ultrasonic vocalizations to measure the affective properties of dopaminomimetic drugs in parkinsonian rats.  Kinga Gzielo         Assessment of ultrasonic vocalisations in rat models of autism.</p>	
13:00 - 14:25	Session Part 2	<p><b>Ultrasonic vocalizations: mania, anxiety, reward and social pleasure - part 2</b> (chairs: Paweł Boguszewski, Adam Hamed)</p> <p>Paweł Boguszewski    Ultrasonic vocalizations in laboratory animals – how to analyze data?  Robert K. Filipkowski    Vocal, heart-rate and motor responses to ultrasonic playback in single-reared and fear-conditioned rats.  Fabrice de Chaumont    Placing spontaneous ultrasonic vocalizations in their behavioral contexts with live mouse tracker.</p>	
14:45 - 16:20	Session Part 3	<p><b>Ultrasonic vocalizations: mania, anxiety, reward and social pleasure - part 3</b> (chairs: Paweł Boguszewski, Adam Hamed)</p> <p>Adam Hamed            Examination of the neurochemical mechanisms that govern social behavior and ultrasonic vocalization emission.  Miron Kursa            Mathematical modeling of neurochemical signs of USV emission.  Richard Mooney        Analyzing vocalizations and vocal circuits in mice.</p>	
16:30 - 17:15	Plenary lecture	<p><b>Stefan Brudzynski</b>  <b>Mechanisms and emotional nature of emission of rat ultrasonic vocalizations.</b></p>	
17:15 - 18:00	Plenary lecture	<p><b>Jeffrey Burgdorf</b>  <b>Using rat ultrasonic vocalization to study the neurobiology of emotion: from basic science to the development of novel therapeutics for affective disorders</b></p>	
18:00 - 18:45	Discussion	<p><b>Experts Discussion Panel:</b> An exchange of opinions between the experts in a form of a casual conversation on the phenomenon of ultrasound vocalization, sound communication between animals and the possible existence of animal language, which may be an evolutionary prototype of communication in humans.</p>	

CEST (UTC+2)	Event	<b>Satellite events - 24 Aug, Tue (updated Aug 19, 2021)</b> <b>Please remember: satellite symposia have separate registration. You may still register for these events (please see details below).</b>	
09:00 - 10:30	Special Interest Event	<b>Animal research outreach by EARA</b> EARA, with the support of the Federation of European Neuroscience Societies and Society for Neuroscience, are holding a series of openness events with the aim of promoting the benefits of open communication about animal research. The discussions would be aimed at researchers and staff who are either directly or indirectly involved in animal research and are currently hesitant to speak out in the media, or participate in public engagement activities. This will not be a debate about the ethics of animal experimentation. Speakers: Kirk Leech, Executive Director, EARA, UK; Marta Kuczeriska, Mossakowski Medical Research Institute, PL; Krzysztof Wasowicz, University of Warmia and Mazury in Olsztyn, PL; Pawel Boguszewski, Nencki Institute of Experimental Biology, PL. Registration: <a href="https://www.eventbrite.co.uk/e/improving-openness-in-animal-research-at-the-fens-regional-meeting-2021-tickets-155808227603">https://www.eventbrite.co.uk/e/improving-openness-in-animal-research-at-the-fens-regional-meeting-2021-tickets-155808227603</a>	
10:30 - 12:30	Satellite Event <i>Music and the brain</i>	<b>How music affects brain? Therapeutic and application perspectives</b> (chairs: Valdis Bernhofs, Aleksandras Voicikas) Peter Schneider      Effects of musical experience and hearing training on the network plasticity of the auditory brain Annemarie Seither    Behavioral and neurological benefits of musical training on children and adolescents with AD(H)D and dyslexia Preisler                Social neuroscience and hyperscanning in music therapy research Jorg Fachner            Brain-Computer Music Interfacing (BCMI) for embodied music interaction Jachin Pousson Registration is now open: <a href="https://docs.google.com/forms/d/e/1FAIpQLSdsRHeGe73Mt_qK_sUi61RNzqNweE5lwAeA28QGG7Qr1pUXYg/viewform">https://docs.google.com/forms/d/e/1FAIpQLSdsRHeGe73Mt_qK_sUi61RNzqNweE5lwAeA28QGG7Qr1pUXYg/viewform</a>	<b>Neurophysiological evidence of cortical contribution to music processing, learning and rhythm</b> (chair: Valentina Bianco) Giacomo Novembre    On the role of inter-brain synchronization in social interactive learning of music Carlotta Lega            Neurofunctional mechanisms involved in auditory-motor integration and learning in the context of music Valentina Bianco       Musical expertise and inhibitory control: evidence of modality anticipatory slow-waves markers of neuroplasticity Alexandre Celma        Neural entrainment to beat and meter across modalities and musical training Miralles
12:30 - 14:00	Special Interest Event	<b>The CHET committee: meeting of coordinators of neuroscience schools in Europe</b> Summary: On the occasion of the FRM2021, the coordinators and directors of the Network of European Neuroscience Schools (NENS)* and the members of the FENS Committee for Higher Education and Training (CHET) will meet, discuss and jointly explore items such as the current and possible initiatives FENS could launch to support neuroscience schools, training challenges, needs and opportunities the schools are facing, resources and tools designed to facilitate online cooperation and interaction among schools. The meeting is open to and welcomes representatives of all neuroscience schools in Europe, regardless of their NENS membership. To attend the meeting as a representative of a neuroscience school, please register here. Registration deadline: 10 August 2021, <a href="https://www.fens.org/careers/networks/nens">https://www.fens.org/careers/networks/nens</a>	
14:00 - 16:00	Special Interest Event	<b>Science communication workshop at the FRM 2021</b> Participants to this workshop will receive hands-on mentoring on a science communication project they would like to develop in the following three categories: online science communication, science communication for younger audiences and animal research for non-scientific audiences. At the end of the workshop, six competitors will be selected to take part in the "Pitch your science communication project" competition organised on 25 August 2021 and maybe win a grant to fund their project! Participation in this workshop is limited to selected participants. Registration link: <a href="https://www.fens.org/news-activities/fens-and-societies-calendar/outreach-event/science-communication-workshop-at-frm-2021">https://www.fens.org/news-activities/fens-and-societies-calendar/outreach-event/science-communication-workshop-at-frm-2021</a>	
16:00 - 18:00	PNS General Assembly	General Assembly of the Polish Neuroscience Society (only PNS members)	

CEST (UTC+2)	Event	Day 1 - 25 Aug, Wed (updated Aug 19, 2021)					
09:00 - 09:45	IBRO PERC lecture	<b>Jürgen Knoblich</b> <b>Modeling human development and disease in cerebral organoids</b> (chair: Ewelina Knapska)					
09:45 - 10:30	Plenary lecture	<b>Naomi Anne Fineberg</b> <b>Problematic usage of the Internet – disorders, mechanisms and interventions</b> (chair: Julius Burkauskas)					
10:30 - 13:00	Networking lounge	<b>Presentation of the EBRAINS Research Infrastructure</b>					
10:30 - 11:30	Live discussion	Naomi A. Fineberg and Zsolt Demetrovics <b>Internet addiction: learning to deal with problematic usage of the Internet</b>					
12:00 - 13:00	Symposia	<b>Gut, microbiota and the brain</b> (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 Martín-García MicroRNAs and gut microbiota signatures for vulnerability to food addiction Aurelijus Burokas Targeting the microbiota-gut-brain axis in Alzheimer's disease		<b>The synaptic bases of mental diseases</b> (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		<b>Perspectives of brain stimulation for memory</b> (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	<b>EJN Best Publication Award 2021 Lectures</b> (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		<b>How to maximize benefit from good res. practice?</b> (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		<b>Pitch your science communication project!</b> 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	<b>CAJAL Advanced Neuroscience Training Programme Special Interest Event</b> 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), Veronica de la Fuente (IFIBYNE - UBS - CONICET, Argentina - Participant of Cajal Visual Reactive Programming - Bonsai course 2019). More information: <a href="http://cajal-training.org/event-frm-2021/">http://cajal-training.org/event-frm-2021/</a>					
16:45 - 17:30	Plenary lecture	<b>Amita Sehgal</b> <b>Biology of bedtime: cellular insights into why we sleep</b> (chair: Elżbieta Pyza)					
17:30 - 18:30	Symposia	<b>Circadian clocks: more beyond neurons</b> (chairs: Gabriella Mazzotta, Milena Damulewicz) Davide Tonelli Exploring mechanisms of microRNA rhythms in the mouse cerebral cortex Erik Herzog Circadian astrocytes: Networked in cortex and cancer 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		<b>Impact of early life experience on prefrontocortical circuits</b> (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		<b>Female brain as a target of sex hormones</b> (chair: Ramunė Grikšienė) 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	

CEST (UTC+2)	Event	Day 2 - 26 Aug, Thu (updated Aug 24 2021)		
08:40 - 08:55	Special announcement	Video Announcement for the winner of the ALBA-FKNE Diversity Prize 2021 Join the ALBA Network and The FENS-Kavli Scholars in the celebration of the ALBA-FKNE Diversity Prize winner 2021. The Prize highlights a scientist or group that has made outstanding contributions to promoting equality and diversity in brain sciences. More information on this Prize: <a href="http://www.alba.network/awards">http://www.alba.network/awards</a> <a href="https://fenskavlinetwork.org/mentoring/alba-fkne-prize/">https://fenskavlinetwork.org/mentoring/alba-fkne-prize/</a>		
09:00 - 09:45	Plenary lecture	<b>Ritta Hari</b> <b>Why should a neuroscientist be interested in social interaction?</b> (chair: Inga Griskova-Bulanova)		
09:45 - 10:30	FENS Presidential lecture	<b>Wolfram Schulz</b> <b>Neuronal reward mechanisms</b> (chair: FENS President)		
10:30 - 13:00	Networking lounge	<b>Presentation of the Lithuanian Research Council</b>		
10:30 - 11:30	Live discussion	ALBA panel discussion: Diversity, Equity and Inclusion in Central and Eastern Europe in the 21st century: challenges and solutions This event is part of the ALBA webinar series on regional diversity issues. The session will start with an introduction of the ALBA Network and the ALBA Declaration on Equity and Inclusion by Zeljka Krnsnik (ALBA Board of Directors; University of Zagreb, Croatia) and Dora Reglodi (ALBA Ambassador; University of Pecs, Hungary). The panel comprising ALBA Members from underrepresented groups working in Central and Eastern European Countries will then discuss challenges regarding diversity, equity and inclusion. A discussion with the audience will follow the presentations. Panelists: Pranav Joshi (University Hospital Bonn, Germany), Rhea Klanske (Neuro-Bootcamp, Slovenia), Aiste Lengvenyt (CHU Montpellier, France -Lithuanian University of Health Sciences, Lithuania), Lei Zhang (University of Vienna, Austria), Maria Banqueri (Nencki Institute of Experimental Biology, Poland), Michael Oluwatoshin Gabriel (Centre of New Technologies, University of Warsaw, Poland), Stephanie Lissette Proskauer Pena (Charles University, Pilsen, Czech Republic).		
12:00 - 13:00	Symposia	<b>Learning by reinforcement</b> (chairs: Balázs Hangya, Sara Matias)  Abhishek Banerjee Cognitive switches and sensory learning using value backpropagation  Balázs Hangya Reinforcement signals broadcast by neuromodulatory systems during associative learning  Angela Langdon The ubiquity of model-based reward prediction in the dopamine system  Yang Yang Heterogeneity of cholinergic activities during visual discrimination learning	<b>The neural architecture of visual awareness</b> (chairs: Michal Wierzbicki, Marek Binder)  Kristian Sandberg The neural architecture of visual awareness  Nathan Faivre Electrophysiological correlates of first and second-order consciousness  Chen Song What constitutes an optimal brain architecture? The role of sensory processing versus sleep  Marek Binder Modulation of auditory steady-state responses by the fluctuations in the state of consciousness	<b>Microglia and neuronal death in brain diseases</b> (chairs: Ilmanté Borutaitė, Guy C. Brown)  Grzegorz Czapski / Joanna Strosznajder Microglia and their contribution to the pathomechanism of Alzheimer's disease  Guy C. Brown Microglial phagocytosis of live neurons and synapses in neurodegeneration  Vilmante Borutaite Extracellular tau-induced microglia-mediated neuronal death
13:00 - 15:00	Poster session & lunch break			
15:00 - 16:00	Special Interest Events	<b>How a society journal handles your paper. The peer-review process and beyond</b> (chairs: Juan Lerma, John Foxe) Juan Lerma - Editor-in-Chief of Neuroscience, the flagship journal of IBRO, Instituto de Neurociencias, CSIC-UMH, Alicante, Spain John Foxe - Editor-in-Chief of European Journal of Neuroscience, the journal of FENS, University of Rochester School of Medicine and Dentistry, NY, USA  The aim of this event is to inform researchers (with an emphasis on those in the early career stage) on various aspects of the scholarly research and communication process. To provide helpful information, the focus will be on the following topics: How Society journals such as the European Journal of Neuroscience (EJN) and Neuroscience handle submissions; the importance of peer review; and insight into how the publishing process works, taking as examples EJN and Neuroscience, the flagship journals of FENS and IBRO, respectively.	<b>Special interest event by the CHET committee: Career pathways in neuroscience and training opportunities.</b>  Organised by the FENS Committee for Higher Education and Training (CHET), this Special Interest Event is dedicated to students and early career scientists interested in interacting with inspiring representatives from pharma, publishing, private and non-profit sectors. During this live online event the speakers will reveal in short talks how their neuroscience background successfully contributed to their career-paths and will respond to questions throughout the open Q&A session. Speakers: Kora Korzec (eLife, UK), Raul Muresan (Transylvanian Institute of Neuroscience, RO), Mirella Ter Veer (Absiskey, FR), Mikolaj Matkoka (Celon Pharma, PL). Moderator: Ana-Maria Zagrean, member of the FENS-CHET (Carol Davila University of Medicine and Pharmacy, RO).	<b>Promoting continuity of international collaboration in animal neuroscience research</b>  Moderated by Anna Mitchell (FENS Committee on Animals in Research, Oxford Neuroscience), this debate will aim to examine the benefits of international scientific collaboration and identify current challenges and opportunities including 3Rs strategies that are relevant for researchers working with animal models. The event will feature talks from Kirk Leech (European Animal Research Association) and Frances Wiseman (UK Dementia Research Institute) and will be followed by a live Q&A session.
16:00 - 16:45	Konorski Award Ceremony	<b>Konorski 2019 and 2020 Award Lectures:</b> Tomasz Prószyński: Amot and Yap1 regulate neuronal dendritic tree complexity and locomotor coordination in mice (chair: Malgorzata Skup) Magdalena Dziembowska: Mitochondrial protein biogenesis in the synapse is supported by local translation (chair: Malgorzata Skup)		
16:45 - 17:30	Plenary lecture	<b>Arturas Petronis</b> <b>Epigenomics in psychiatric disease: the circadian perspective</b> (chair: Osvaldas Rukšėnas)		
17:30 - 18:30	Symposia	<b>Animal models of drug abuse - towards new neuronal mechanisms and high translational value</b> (chairs: K. Radwańska, Anna Beroun)  David Reiner Reverse-translational models of drug relapse: behavior, pharmacology, circuits, and treatment implications  David Belin Biobehavioural basis of the flexible inflexibility that characterises maladaptive drug-seeking at relapse  Anna Beroun Amygdalar silent synapses in appetitive learning and addiction  Roberto Pagano ARC in the amygdala prevents compulsive alcohol seeking	<b>Brain imaging in neuropsychiatric disorders: innovation and translation</b> (chair: João Valente Duarte)  Kym Young fMRI amygdala neurofeedback for Major Depressive Disorder  João Valente Duarte Structural and functional imaging biomarkers of Bipolar Disorder and Schizophrenia  Sandra Vieira Neurofind: using deep learning to identify abnormal brain structural patterns in neuropsychiatric disorders  Pedro Morgado Automated analysis of free speech as a marker of neuroimaging findings in individuals with OCD	<b>Cortical Interneurons: from birth to networks</b> (chairs: Domna Karagogeos, Myrto Denaxa)  Lynette Lim Developmental trajectories of cortical inhibitory neurons  Myrto Denaxa Mechanisms controlling the postnatal development of cortical interneurons  Theo Karayannis The integration of upper layer cortical interneurons into the cortical circuits  Juan Burrone The emergence and plasticity of axo-axonic synapses at the axon initial segment
18:45 - 19:30	Social events	<b>ALBA social: Navigating academia as an LGBTQIA+ neuroscientist</b> The ALBA Network is organizing a webinar on LGBTQIA+ inclusion and visibility. This special event will feature a panel of established scientists in brain research who identify as LGBTQIA+. Each speaker will discuss their goals, failures and successes while navigating academia as part of the LGBTQIA+ community. A Q&A session with the attendees will close this event. Panelists: Jordan Marrocco (The Rockefeller University, US - ALBA Ambassador) – Chair; Paul Matusz (University of Applied Sciences, CH); Joni Wallis (University of California, US); Bittu Kaveri Rajaraman (Ashoka University, IN); José Luis Peña (Einstein Institute, US); Mehmet Kurt (Stevens Institute of Technology, US); Ahmed El Hady (Princeton University, US); Sara Brownell (Arizona states University, US).		

CEST (UTC+2)	Event	Day 3 - 27 Aug, Fri (updated Aug 24, 2021)			
09:00 - 09:45	LNA Presidential lecture	<b>Virginijus Šikšnys</b> <b>Reurposing of CRISPR-Cas immunity for targeted genome editing</b> (chair: Osvaldas Rukšėnas)			
09:45 - 10:30	PNS Presidential lecture	<b>Fiona Doetsch</b> <b>Stem cells in the adult brain: regulation and diversity</b> (chair: Grzegorz Hess)			
10:30 - 13:00	Networking lounge	<b>Presentation of the National Science Centre, Poland</b>			
10:30 - 11:30	Live discussion	FKNE panel discussion: Introducing the European Network of sustainable life science research			
		This special event will introduce you to a new European Network, which aims to create, coordinate and guide sustainability teams in life science departments and research institutes across Europe. The presentation will be followed by a live discussion with a panel of life science sustainability experts and neuroscientists, where you can ask questions, bring up ideas and share your opinions.			
12:00 - 13:00	Symposia	<b>Cortico-hippocampal interactions mediating memory</b> (chairs: Rafal Czajkowski, Menno Witter) Menno Witter      The entorhinal cortex as integrative gatekeeper of the hippocampal memory system Eleanor Maguire      Rethinking prefrontal-hippocampal interactions in memory Seralyne Vann      Complementary memory processing across the retrosplenial cortex and hippocampus Rafal Czajkowski      Convergence of hippocampal and retrosplenial input in spatial memory formation	<b>Causes and consequences of mitochondrial dysfunction in brain diseases</b> (chairs: Aiste Jekabsone, Dmitry Lim) Aiste Jekabsone      Pharmacological modulation of mitochondria: are we there yet? Tito Cali      In vitro and in vivo monitoring of functional mitochondria-ER contact sites Sandra Morais Cardoso      Mitochondria as a target of the gut-brain hypothesis for sporadic Parkinson's disease (sPD) Dmitry Lim      Searching for the cause of mitochondria-ER dysfunction in Alzheimer's disease astrocytes	<b>Advances in the treatment of alcohol use disorder</b> (chair: Valentina Vengeliene) Leigh Walker      Targeting acetylcholine muscarinic receptors to treat AUD Giancarlo Colombo      Suppressing effect of KK-92A, a new positive allosteric modulator of the GABAB receptor Boris Tabakoff      A holistic approach to treatment of AUD Bo Söderpalm      Glycinergic agonists for treatment of AUD	
13:00 - 15:00	Poster session & lunch break				
15:00 - 16:00	Special Events	<b>Prelude to the 2023 World IBRO Congress (beginning 14.30 !!!)</b> (chairs: Juan Lerma, Paola Bovolenta) Daniel Choquet      Relating synapse nanoscale organization and function Guillermina López-Bendito      The thalamus that speaks to the cortex: spontaneous activity in sensory systems development and plasticity Robert C. Malenka      Neural mechanisms of social reward Yanchao Bi      Knowledge representation in the human brain	<b>The Shared European Brain Research Agenda (SEBRA)</b> (chair: Frederic Destriebeq) Kristien Aarts      SEBRA principles SEBRA is framed within the European Brain Research Area project, an EU-funded catalysing initiative for brain research stakeholders to streamline and better coordinate brain research across Europe. It brings together 4 key players: EBC, ERA-NET NEURON, JPND and HBP. The aim of SEBRA is to identify research opportunities and research and innovation gaps to be addressed in the field and to provide recommendations on future areas for brain research in Europe.	<b>ERC session: Poland and the Baltics under Horizon Europe</b> We will discuss the new framework program, Horizon Europe, with special focus on issues related to the successful participation of Poland and the Baltic Countries. We will elaborate on some topics such as the high-risk high-gain, ground-breaking nature of a proposal; mobility, independence and publication requirements, eligibility rules in general and in special situations such as maternity or parental leaves; and finally we will share with the audience some tips and tricks for ERC applications.	
16:00 - 16:45	Brain Prize lecture	<b>Adrian Bird</b> <b>The genetics and epigenetics of Rett syndrome</b> (Lundbeck Foundation)			
16:45 - 17:30	Plenary lecture	<b>Gábor Nyiri</b> <b>Brainstem control of fear memories</b> (chair: Jan Rodriguez Parkitna)			
17:30 - 18:30	Symposia	<b>Sex differences in the prefrontal cortex</b> (chair: Kyriaki Sidiropoulou) Kyriaki Sidiropoulou      Sexual dimorphic effects of restraint stress in the prefrontal cortex Heather Brenhouse      Sex-specific developmental effects of early life adversity on corticolimbic connectivity and behavior Carl Stevenson      Sex differences in fear discrimination and associated prefrontal cortex function Mouna Maroun      Different prefrontal oxytocin role in social-induced facilitation of extinction in pubertal males and females	<b>Nicotinic effects on brain physiology and cognitive processes</b> (chairs: Huibert Mansvelder, Michael A. Nitsche) Huib Mansvelder      Cellular and synaptic mechanisms of nicotinic actions on human cortical circuits Michael A. Nitsche      Nicotinic impact on neuroplasticity and memory formation in humans Christiane Thiel      Nicotinic modulation of attention in the human brain Alkomiet Hasan      Nicotinic impact on neuroplasticity in patients with schizophrenia	<b>Facets of computational models of synaptic plasticity</b> (chairs: Aušra Saudargienė, Joanna Jędrzejewska-Szmek) Melanie Stefan      Modelling CaMKII dynamics in dendritic spines Joanna Jędrzejewska-Szmek      Molecular control of NMDAR-dependent gabaergic plasticity Kim T. "Avrama" Blackwell      Calcium control of synaptic plasticity Eleni Vasilaki      SpaRCe: improved learning of reservoir computing systems through sparse representation	
18:30 - 19:00	Closing remarks	Closing remarks			