



## PRELIMINARY PROGRAMME

Wednesday, July 10, 2019					
	Room Pacific	Room Atlantic 1	Room Atlantic 2	Mediterranean	Baltic
12:00-17:00	Registration & Exhibition (Exhibition Area)				
14:00-16:00					1st Regional Meeting of National Brain Councils
16:15-16:45				FENS EJN Lecture	
17:00-18:00	Opening Ceremony				
18:00-19:00	Opening Lecture - John Hardy (London, UK) Genomics of neurodegenerative diseases				
19:00-21:00	Cocktail Reception				

Thursday, July 11, 2019					
	Room Pacific	Room Atlantic 1	Room Atlantic 2	Mediterranean	Baltic
07:30–19:00	<b>Registration &amp; Exhibition (Exhibition Area)</b>				
8:30–10:10	<b>SY01 Cellular signaling and quality control mechanisms in neurodegeneration</b>	<b>SY02 Neurobiological mechanisms for susceptibility and resilience: “yin and yang” or “apples and oranges”?</b>	<b>SY03 Rodent models of social behavior and emotional states as a tool in studying brain disease: focus on ultrasonic vocalizations</b>	<b>SY04 Human electrophysiology in health and disease: from single neurons to networks</b>	<b>SY05 Pathophysiological and clinical approach to autoimmune neuropsychiatric diseases</b>
	<i>Organizer: Simone Engelender (Haifa, IL)</i>	<i>Organizer: Dani Dumitriu (New York, NY, USA)</i>	<i>Organizer: Nicola Simola (Cagliari, IT)</i>	<i>Organizers: Andrei Ilie (Newcastle, UK) and Karri Lamsa (Szeged, HU)</i>	<i>Organizer: Yasemin Gürsoy Özdemir (Istanbul, TR)</i>
	<b>Simone Engelender (Haifa, IL):</b> Role of monoubiquitination and SUMOylation in the homeostasis of $\alpha$ -synuclein in Parkinson's disease	<b>Vidita Vaidya (Mumbai, IN):</b> Early life adversity and the programming of enhanced risk for psychopathology	<b>Nicola Simola (Cagliari, IT):</b> Rodent ultrasonic vocalizations: behavioral significance, mechanisms and use in the study of drug effects on the emotional state	<b>Karri Lamsa (Szeged, HU):</b> GABAergic interneuron activity in the human neocortex complex events	<b>Naoto Kawakami (München, DE):</b> Immune cell interactions at blood brain barrier
	<b>Tiago Outeiro (Waldweg, DE):</b> Posttranslational modifications as regulators of alpha-synuclein homeostasis	<b>Dipesh Chaudhury (Abu Dhabi, UAE):</b> Effect of social stress on circadian rhythms and sleep-wake cycles	<b>Roberto Andreatin (Curitiba, BR):</b> Using ultrasonic vocalization in rats as an index of affective state in animal models of mania	<b>Nathalie Rouach (Paris, FR):</b> Pannexin-1 channels control seizure generation in humans	<b>Erdem Tüzün (Istanbul, TR):</b> Autoimmunity in Neurobehçet disease
	<b>Leonidas Stefanis (Athens, GR):</b> The association of lysosomal dysfunction to neurodegeneration: focus on synucleinopathies	<b>Eva Mikics (Budapest, HU):</b> Cognitive risk factors of vulnerability to post-traumatic stress disorder	<b>Dóra Zelena (Budapest, HU):</b> Vasopressinergic influence on social, emotional and vocal behavior of rodents	<b>Rogier Poorthuis (Frankfurt, DE):</b> Associative signalling in layer 1 of human and mouse neocortex	<b>Pilar Martinez (Maastricht, NL):</b> Autoimmunity in psychiatric diseases
	<b>Elisa Greggio (Padova, IT):</b> Role of LRRK2 phosphorylation in Parkinson's disease-associated neurodegeneration	<b>Kafui Dzirasa (Durham, NC, USA):</b> Mapping resilience: discovering structure in mesoscale electrical brain recordings	<b>Sylvie Granon (Orsay, FR):</b> Neural and neurochemical bases of social behavior and vocalization in mice	<b>Andrei Ilie (Newcastle, UK):</b> Electrical features of seizure activity in the brain: bridging the gap between human patients and animal models	<b>Sukhvir Wright (Birmingham, UK):</b> Autoimmune epilepsy: from symptoms to synapse
				<b>Kemal Turker (Istanbul, TR):</b> Brief history of indirect ways to estimate synaptic potentials in human motor neurons	<b>Atay Vural (Istanbul, TR):</b> Autoimmunity in demyelinating neurological diseases
10:10-10:30	<b>Coffee Break</b>				
10:30–11:30	<b>Plenary Lecture - Berislav Zlokovic (Los Angeles, CA, USA)</b> Blood-brain barrier: structure, function and role in neurodegeneration and Alzheimer's disease				
11:30–13:10	<b>SY06 Structural and molecular underpinnings of human brain development</b>	<b>SY07 Imaging and modeling approaches in neuroscience</b>	<b>SY08 Temporal lobe epilepsy: from cells to molecules</b>	<b>SY09 Investigating neural circuit computations and connectivity underlying cognitive function</b>	<b>SY10 The orexin/hypocretin system orchestrates multifaceted physiological functions</b>
	<i>Organizers: Mirjana Maletic-Savatic (Houston, TX, USA) and Pasko Rakic (New Haven, CT, USA)</i>	<i>Organizer: Dejan Zecevic (New Haven, CT, USA)</i>	<i>Organizers: Ivan Spasojevic (Belgrade, RS) and Aleksandar Ristic (Belgrade, RS)</i>	<i>Organizers: Emre Yaksi (Trondheim, Norway) and Ewelina Knapska (Warsaw, PO)</i>	<i>Organizer: Chiara Berteotti (Bologna, IT)</i>
	<b>Pasko Rakic (New Haven, CT, USA):</b> Brain Map Formation During Development Evolution and Disease	<b>Lawrence B Cohen (New Haven, CT, USA):</b> The role of the mammalian olfactory bulb in olfactory perceptions	<b>Ivan Spasojević (Belgrade, RS):</b> Hippocampal antioxidative system in epilepsy	<b>Ewelina Knapska (Warsaw, PO):</b> Socially transferred fear is modulated by oxytocin signaling in the central amygdala	<b>Chiara Berteotti (Bologna, IT):</b> Sleep and cardiovascular studies in narcoleptic mice
	<b>Nada Zecevic (Farmington, CT, USA):</b> Progenitor cells in the human developing cerebral cortex	<b>Efstratios Kosmidis (Thessaloniki, GR):</b> Membrane potential fluctuations: Not that noisy	<b>Gabriele Lignani (London, UK):</b> Modulating promoter activity to treat intractable genetic and acquired epilepsy	<b>Ileana Hanganu-Opatz (Hamburg, DE):</b> Cognitive ontogeny in health and mental illness: a story of right communication	<b>Christian Franceschini (Parma, IT):</b> The psychological and psychosocial profile of Narcolepsy type 1: young and adult patients
	<b>Mirjana Maletic-Savatic (Houston, TX, USA):</b> Fatty acids as signaling molecules and biomarkers of neurogenesis	<b>Marko Popovic (Amsterdam, NL):</b> Electrical signaling in the axon: theory, predictions and measurements	<b>Alfredo Gonzales-Sulser (Edinburgh, UK):</b> GABAergic medial septal neurons and their role in models of temporal lobe epilepsy	<b>Balazs Hangya (Budapest, HU):</b> The role of basal forebrain cell types in associative learning	<b>Marta Pace (Genova, IT):</b> Study of melanin concentrating hormone and orexin/hypocretin neurons in the Prader-Willi syndrome
	<b>Nevena Radonjic (Syracuse, NY, USA):</b> N-Methyl D-Aspartate receptors in human cortical development	<b>Dejan Zecevic (New Haven, CT, USA):</b> Synaptic signal integration in individual dendritic spines	<b>Szilágyi Tibor (Tg. Mures, RO):</b> Effect of experimental temporal lobe epilepsy on hippocampal GABAergic inhibition	<b>Emre Yaksi (Trondheim, NO):</b> Studying the function of ongoing activity and functional connectivity of habenular networks	<b>Claudio Liguori (Roma, IT):</b> Orexin and Alzheimer's disease
	<b>Snezana Milanovic (Boston, MA, USA):</b> Neonatal biomarkers of in utero exposure to environmental stressors	<b>Srdjan D. Antić (Farmington, NM, USA):</b> Electrical activity in developing human and mouse cerebral cortex	<b>Danijela Savić (Belgrade, RS):</b> The importance of copper in pathology of mesial temporal lobe epilepsy		

13:10-14:10	Lunch Break & Poster Session				FENS CARE
14:10-15:10					FENS EJN Publication Workshop
15:10-16:10	<b>Plenary Lecture - Viviana Gradinaru (Pasadena, CA, USA)</b> Understanding and influencing whole-animal physiology and behaviour with engineered gene delivery vectors, tissue clearing, and optogenetics				
16:10-17:50	<b>SY11 From genes to memory: what brain pathology tells us about its normal function</b>	<b>SY12 Neuromodulation of brain states in health and disease: bridging experiments and computational models</b>	<b>SY13 The role of stress and inflammation in psychiatric disorders</b>	<b>SY14 Exploring novel therapeutic approaches for pain disorders</b>	<b>SY15 What can we learn from animal models of stress and Alzheimer's disease?</b>
	<i>Organizer: Natalia N. Nalivaeva (Leeds, UK)</i>	<i>Organizer: Srikanth Ramaswamy (Lausanne, CH)</i>	<i>Organizers: Natasa Petronijevic (Belgrade, RS) and Nevena Radonjic (Syracuse, NY, USA)</i>	<i>Organizers: Slobodan M. Todorovic (Aurora, CO, USA) and Sonja Vuckovic (Belgrade, RS)</i>	<i>Organizers: Nela Puškaš (Belgrade, RS) and Christina Dalla (Athens, GR)</i>
	<b>Illana Gozes (Tel Aviv, IL):</b> ADNP as a master regulator of cognitive functions in autism and beyond	<b>Joanna Urban-Ciecko (Warsaw, PO):</b> Acetylcholine-dependent modulation of neocortical circuits	<b>Sophie Erhardt (Stockholm, SE):</b> Neuroinflammation in psychotic disorders – relevance for symptomatology and cognition	<b>Slobodan M. Todorovic (Aurora, CO, USA):</b> Molecular mechanisms of T-type calcium channels plasticity in painful diabetic neuropathy	<b>Christina Dalla (Athens, GR):</b> Sex differences in stress animal models: from behaviour to neuroplasticity
	<b>Denes Agoston (Bethesda, MD, USA):</b> How Does Traumatic Brain Injury Impair Memory?	<b>Kelly Tan (Basel, CH):</b> Midbrain modulation of striatal cholinergic stimuli processing	<b>Gülderen Yanikkaya Demirel (Istanbul, TR):</b> Activation of inflammasome in major depression disorder	<b>Vesna Jevtovic-Todorovic (Aurora, CO, USA):</b> The role of GABAA receptors in chronic neuropathic pain after traumatic nerve injury	<b>Melanie Meyer-Luehmann (Freiburg, DE):</b> Seed-induced A $\beta$ deposition impairs adult neurogenesis in 5xFAD mice
	<b>Elena Rybnikova (St. Petersburg, RU):</b> Gene-dependent mechanisms of hypoxic preconditioning: cross-talk with neuroplasticity and memory	<b>Vanessa Scholz (Radboud, NL):</b> Increasing dopamine leads to insensitivity to punishment and impaired learning	<b>Ana Pocivavsek (Columbia, SC, USA):</b> Elevated kynurenine pathway metabolism during neurodevelopment: Implications for brain and behavior	<b>Helyes Zsuzsanna (Pécs, HU):</b> Mechanism of central sensitization and neuro-glia interactions in the passive transfer-trauma mouse model of Complex Regional Pain Syndrome	<b>Joana M. Silva (Braga, PT):</b> Chronic stress as precipitating factor in Alzheimer's disease brain pathology: from synapses to networks
	<b>Natalia Nalivaeva (Leeds, UK):</b> Role of epigenetic regulation of amyloid-clearing proteins in memory and neurodegeneration	<b>Srikanth Ramaswamy (Lausanne, CH):</b> Predictive in silico reconstruction of cholinergic control of neocortical network states	<b>Natasa Petronijevic (Belgrade, RS):</b> Stress and inflammation in animal models of psychiatric disorders	<b>Sonja Vuckovic (Belgrade, RS):</b> Evidence for the involvement of nitric oxide in the antinociceptive effect of magnesium	<b>Nela Puškaš (Belgrade, RS):</b> Early Impairments of hippocampal neurogenesis in mouse model of Alzheimer's disease
			<b>Feyza Arıcıoğlu (Istanbul, TR):</b> Targeting neuroinflammation for the treatment of psychiatric disorders: from preclinical perspective		<b>Milka Perović (Belgrade, RS):</b> Food restriction exacerbates inflammation and neuronal deficits in mouse model of Alzheimer's Disease
17:50-18:10	Coffee Break				
18:10-19:10	<b>Special Interest Lecture - George Paxinos (Sydney, AU):</b> Brain and Mind: Who is the Puppet and Who the Puppeteer?	Nano Symposium I	Nano Symposium II	<b>Special Interest Symposium - Tinnitus, an interdisciplinary puzzle: new insights on etiology, pathophysiology, diagnostics and therapy</b> <i>Organizers: Tijana Bojić (Belgrade, RS) and Winfried Schlee (Regensburg, DE)</i>	<b>BLITZ SESSION</b> *Selected abstract for oral presentations (3min)

Friday, July 12, 2019					
	Room Pacific	Room Atlantic 1	Room Atlantic 2	Mediterranean	Baltic
07:30–19:00	Registration & Exhibition (Exhibition Area)				
8:30–10:10	<b>SY16</b> Imaging of the nervous system across different scales – from neuronal networks to single molecules	<b>SY17</b> Molecular basis of neurodegeneration	<b>SY18</b> Modelling of Neuronal disorders through cell reprogramming	<b>SY19</b> Neuronal basis of innate and learned behaviours	<b>SY20</b> Computational and systems biology in neurological disorders
	<i>Organizers: Petar Marinković (Munich, DE) and Ivana Nikić-Spiegel (Tübingen, Germany)</i>	<i>Organizers: Boris Rogelj (Ljubljana, SI) and Tibor Hortobagyi (Szeged, HU)</i>	<i>Organizers: Marija Mihailovic (Milan, IT) and Milena Stevanovic (Belgrade, RS)</i>	<i>Organizer: Sanja Mikulovic (Bonn, DE)</i>	<i>Organizer: Isil Kurnaz (Gebze / Kocaeli, TR)</i>
	<b>Thomas Misgeld (Munich, DE):</b> May the force be with you: Mitochondrial life in the nervous system	<b>Boris Rogelj (Ljubljana, SI):</b> Perturbed nucleocytoplasmic shuttling in ALS and FTD	<b>Giuseppe Testa (Milan, IT):</b> Chasing precision medicine through cell reprogramming	<b>Gilad Silberberg (Stockholm, SE):</b> Dopamine-Acetylcholine Interactions Underlying Striatal Sensorimotor Functions	<b>Pembe Hande Ozdinler (Chicago, IL, USA):</b> Understanding upper motor neuron biology via omics data from genes and proteins
	<b>Martin Kerschensteiner (Munich, DE):</b> In vivo pathogenesis of autoimmune white and gray matter damage	<b>Tibor Hortobagyi (Szeged, HU):</b> ALS/FTD under the microscope: insight into pathomechanism	<b>Nael Nadif Kasri (Nijmegen, NL):</b> Reverse engineering the brain to understand neurodevelopmental disorders	<b>Anne Petzhold (Cologne, DE):</b> Dynamics of the prefrontal cortical neural ensembles during feeding behaviours in freely moving mice	<b>Tunahan Cakir (Gebze / Kocaeli, TR):</b> Metabolomics and systems biology for Parkinson's studies
	<b>Ivana Nikić-Spiegel (Tübingen, DE):</b> Imaging axonal injury with super-resolution microscopy	<b>Emanuele Buratti (Trieste, IT):</b> Modifiers of TDP-43 toxicity uncover immune-related and apoptosis-related mechanisms of neurodegeneration	<b>Arik Hasson (Kadimastem, IL):</b> Astrocyte-based cell therapy: new hope for amyotrophic lateral sclerosis patients?	<b>Stefan Remy (Bonn, DE):</b> Synaptic integration in the hippocampal formation	<b>Kazim Yalcin Arga (Istanbul, TR):</b> Systems Biomarkers for Accurate Diagnosis, Prognosis and Therapy in Neurological Disorders
	<b>Petar Marinković (Munich, DE):</b> In vivo imaging of neuronal circuits activity in neurodegenerative tauopathies	<b>Eva Zerovnik (Ljubljana, SI):</b> Causes for dis-balance in proteostasis in association with amyloid pore hypothesis	<b>Marija Mihailovic (Milan, IT):</b> iPSC-based disease modelling for deciphering translational dysregulation in neurodevelopmental disorders	<b>Sanja Mikulovic (Bonn, DE):</b> On motion and emotion – neuronal circuits underlying locomotion and aversive behavior in the hippocampus/medial septum system	<b>Isil Kurnaz (Gebze / Kocaeli, TR):</b> Computational biology for studying neurodevelopmental disorders and tumor formation
			<b>Tatjana Lalic (Oxford, UK):</b> Understanding human disease mechanisms using iPSCs models		
10:10-10:30	Coffee Break				
10:30–11:30	<b>Plenary Lecture - Li-Huei Tsai (Cambridge, MA, USA)</b> Gamma frequency entrainment using sensory stimuli confers neuroprotection and enhances cognitive function				
11:30–13:10	<b>SY21</b> Current advances in understanding synaptic function and dysfunction	<b>SY22</b> Sleep homeostasis and neuromodulation – from local to global neuronal networks	<b>SY23</b> Inflammation and autoimmunity in CNS		<b>SY25</b> Mitochondrial mechanisms in neurodegeneration and neuromodulation in Parkinson's disease
	<i>Organizer: Peter Penzes (Chicago, IL, USA)</i>	<i>Organizer: Jasna Saponjic (Belgrade, RS)</i>	<i>Organizers: Miodrag L. Lukić (Kragujevac, RS) and Stipan Jonjić (Rijeka, HR &amp; Halle, DE)</i>		<i>Organizer: Vladimir S. Kostić (Belgrade, RS)</i>
	<b>Scott Soderling (Durham, NC, USA):</b> Proteomic analysis of excitatory and inhibitory synapses	<b>Edgar Garcia-Rill (Little Rock, AR, USA):</b> Control of waking: clinical and neuroepigenetic implications	<b>Stipan Jonjić (Rijeka, HR &amp; Halle, DE):</b> Innate immune response in brain – inflammation and pathology during congenital cytomegalovirus infection		<b>Christine Klein (Luebeck, DE):</b> Role of mitochondria and energy metabolism in monogenic PD
	<b>Noémi Holderith (Budapest, HU):</b> Distinct distribution of different molecules in the presynaptic active zone	<b>George Kostopoulos (Patras, GR):</b> On the emergence of K-complexes in normal NREM sleep	<b>Foo Y Liew (Glasgow, UK &amp; Suzhou, CN):</b> IL-33 ameliorate Alzheimer's disease like pathology, cognitive decline and improve therapy in cerebral malaria in mice		<b>Poul Henning Jensen (Aarhus, DK):</b> Manipulating neuronal calcium homeostasis protect against symptomatology and death in a prion-like alpha-synuclein transgenic mouse model of Parkinson's disease
	<b>Yasunori Hayashi (Tokyo, JP):</b> Mechanism of Ca <sup>2+</sup> -dependent regulation of postsynaptic binding capacity	<b>Luppi Pierre-Hervé (Lyon, FR):</b> Neuronal network of paradoxical (REM) sleep and its implication in learning and memory and sleep pathologies	<b>Miodrag L. Lukić (Kragujevac, RS):</b> Common denominator of IL-33/ST2 protective effects in autoimmune neuroinflammation and type 1 diabetes		<b>Enza Maria Valente (Pavia, IT):</b> Old and new functions of the mitochondrial kinase PINK1 to promote neuronal survival
	<b>Peter Penzes (Chicago, IL, USA):</b> Proteomic analysis of the synaptic sheddome reveals novel mechanisms of signaling and pathogenesis	<b>Jasna Saponjic (Belgrade, RS):</b> Disorders of cortical and hippocampal sleep and NREM/REM related sleep spindle dynamics in the experimental models of Parkinson's disease			<b>Ivanka Marković (Belgrade, RS):</b> Targeting energy-sensing pathways as potential neuroprotective strategy in PD

13:10-14:10	Lunch Break & Poster Session				FENS ALBA (75')	FENS HISTORY	
14:10-15:10							
15:10-16:10	<b>Plenary Lecture - Sergiu Pasca (Palo Alto, CA, USA)</b> Assembling three-dimensional brain models to study human development and disease						
16:10-17:50	<b>SY26 Gaba-ergic control of neuronal plasticity in the hippocampal dentate gyrus: functional implications</b>	<b>SY27 Psychotic disorders – progress in identifying the biological substrates of a complex presentation</b>	<b>SY28 Observing neuronal computation during behavior with large-scale imaging methods</b>	<b>SY29 Gender issues in neuroscience research</b>	<b>SY30 Molecular factors of neurorepair</b>		
	<i>Organizers: Gal Richter-Levin (Haifa, IL) and Jelena Radulovic (Chicago, IL, USA)</i>	<i>Organizers: Nadja P. Maric (Belgrade, Serbia) and Jeremy Hall (Cardiff, UK)</i>	<i>Organizer: Balazs Rozsa (Budapest, HU)</i>	<i>Organizer: Anastasia S. Tsingotjidou (Thessaloniki, GR)</i>	<i>Organizers: Igor Jakovcevski (Köln, DE) and Pavle Andjus (Belgrade, RS)</i>		
	<b>Hans Juergen Volkmer (Reutlingen, DE):</b> Signalling pathways involved in selective inhibitory synapse stabilization	<b>Jeremy Hall (Cardiff, UK):</b> Investigating the genetic basis of psychotic disorders based on risk mediated through calcium channels	<b>Williamson Adam (Marseille, FR):</b> Therapeutic use of neuroprosthetics based on organic electronics	<b>Klas Abelson (Copenhagen, DK):</b> Gender of laboratory animals in neuroscience (with focus on rodents)	<b>Lars Klimaschewski (Innsbruck, AT):</b> Interference with endogenous ERK inhibitors as novel treatment strategy for neurological diseases		
	<b>Oliver Stork (Magdeburg, DE):</b> GABAergic mechanisms in the hippocampus controlling fear memory strength and specificity	<b>Sameer Jauhar (London, UK):</b> Glutamate dysfunction, dopamine synthesis capacity and psychosis	<b>Daria Vincent (Canberra, AU):</b> Multi-site voltage and calcium two-photon imaging reveal dendritic spikes along thin apical dendrites of cortical pyramidal neurons	<b>Anastasia S. Tsingotjidou (Thessaloniki, GR):</b> Gender bias in pain basic research: latest data	<b>David Lutz (Hamburg, DE):</b> Reelin and cell adhesion molecule L1 in migration, regeneration and invasion		
	<b>Gal Richter-Levin (Haifa, IL):</b> Stress modulation of hippocampal activity-spotlight on the dentate gyrus	<b>Ljubica Tasic (Sao Paulo, BR):</b> Lipidomics, Biomarkers, and Schizophrenia: A Current Perspective	<b>Kepecs Adam (Cold Spring Harbor, NY, USA):</b> Cortex-wide activation of VIP-expressing inhibitory neurons by reward and punishment	<b>Sanja Ivkovic (Belgrade, RS):</b> Gender specificities in 5xFAD mouse AD model	<b>Igor Jakovčevski (Köln, DE):</b> Synaptic rearrangements in mouse models of epilepsy		
	<b>Jelena Radulovic (Chicago, IL, USA):</b> Oxytocin receptor positive interneurons in the dentate gyrus role in social behavior	<b>Mark Millan (Croissy-sur-Seine, FR):</b> Transgressing boundaries: unifying concepts for preventing and treating complex disorders from schizophrenia to dementia	<b>Rozsa Balazs (Budapest, HU):</b> Learning reveals spatiotemporally clustered representation of visual information	<b>Patrick Sharp (Murdoch, AU):</b> Non-experimental research variables impacting gender-based research	<b>Pavle Andjus (Belgrade, RS):</b> Tenascin C and brain plasticity		
				<b>Milos Mitic (Belgrade, RS):</b> Sex differences in animal models of psychiatric disorders			
17:50-18:10	Coffee Break						
18:10-19:10	<b>Special Interest Lectures - Reha S. Erzurumlu (Baltimore, MD, USA):</b> Somatosensory circuit alterations in neurodevelopmental disorders	Nano Symposium III		<b>Special Interest Symposium - Circadian and redox regulation in the development and potential treatment of substance addiction</b> <i>Organizers: Rozi Andretić Waldowski (Rijeka, HR) and Ana Filošević (Rijeka, HR)</i>	BLITZ SESSION *Selected abstract for oral presentations (3min)		

Saturday, July 13, 2019					
	Room Pacific	Room Atlantic 1	Room Atlantic 2	Mediterranean	Baltic
07:30–17:00	Registration & Exhibition (Exhibition Area)				
8:30–10:10	<b>SY31 Neuroepigenetics and brain disorders</b>	<b>SY32 Autophagy regulation and its role in neuronal function, survival, and death</b>	<b>SY33 Distributed Neuronal Circuits of Fear</b>	<b>SY34 Cognitive neuroscience and addictive behaviors</b>	<b>SY35 On the crossroad of epilepsy and Alzheimer's disease: from genes to behavior</b>
	<i>Organizer: Marija Kundakovic (New York, NY, USA)</i>	<i>Organizer: Vladimir Trajkovic (Belgrade, RS)</i>	<i>Organizers: Francesco Ferraguti (Innsbruck, AT) and Enrica Paradiso (Innsbruck, AT)</i>	<i>Organizer: Mohammad Taghi Joghataei (Tehran, IR)</i>	<i>Organizers: Maria Angela Sortino (Catania, IT) and Olivera Stanojlovic (Belgrade, RS)</i>
	<b>Johannes Gräff (Lausanne, Switzerland):</b> PM20D1 – a disease-relevant chromatin loop in Alzheimer's	<b>Nektarios Tavernarakis (Heraklion, GR):</b> Regulation and roles of autophagy in the central nervous system	<b>Johannes Letzkus (Frankfurt, DE):</b> Circuit mechanisms of fear memory in auditory cortex	<b>Mohammad Taghi Joghataei (Tehran, IR):</b> Addiction as a brain disorder	<b>Olivera Stanojlovic (Belgrade, RS):</b> Experimental models of epilepsies: mechanistic approach to hyperexcitability
	<b>Angel Barco (Alicante, Spain):</b> Epigenetic etiology of intellectual disability disorders	<b>Viktor Korolchuk (Newcastle upon Tyne, UK):</b> Autophagy as a mechanism of oxidative stress response	<b>Nadine Gogolla (Munich-Martinsried, DE):</b> State-dependent regulation of fear and anxiety by insular cortical circuits	<b>Abbas Haghparast (Tehran, IR):</b> Stress, cognition and addictive behaviours	<b>Sara Merlo (Catania, IT):</b> Molecular mechanisms in Alzheimer's disease: implications for comorbidities
	<b>Marija Kundakovic (New York, NY, USA):</b> Sex-specific epigenetic regulation and psychiatric disorders	<b>Julien Puyal (Lausanne, CH):</b> Targeting the dark side of autophagy to protect against neuronal death: evidences from neonatal cerebral hypoxia-ischemia	<b>Maren Lange (Münster, DE):</b> Synaptic circuits of the extended amygdala and their role in long-lasting fear	<b>Hamed Ekhtiari (Tehran, IR):</b> Cognitive rehabilitation for drug addiction	<b>Ekatarina Lopatina (St. Petersburg, RU):</b> Sodium pump and its role in excitability and brain disorders
	<b>Maurizio Popoli (Milano, IT):</b> Resilience and vulnerability in the response to acute and chronic stress: a role for microRNAs	<b>Ljubic Vucicevic (Belgrade, RS):</b> Autophagy regulation and its role in glutamate excitotoxicity during nutrient stress	<b>Enrica Paradiso (Innsbruck, AT):</b> Inhibitory amygdala microcircuits for aversive learning	<b>Reza Khosrowabadi (Tehran, IR):</b> Brain functional and structural changes associated with methamphetamine abuse	<b>Yavuz Dodurga (Denizli, TR):</b> Hippocampal neuropathology in brain disorders: the role of genetic factors in epilepsy and Alzheimer's disease
	<b>Marin Veldic (Rochester, MN, USA):</b> Glutamatergic dysregulation in bipolar disorder: genetic or epigenetic problem?			<b>Vesna Pesic (Belgrade, RS):</b> The influence of propofol on mood and memory in adolescence – findings in animal model	<b>Dimitry Lim (Novara, IT):</b> Astroglial calcineurin modulates neuronal excitability
10:10-10:30	Coffee Break				
10:30–11:30	<b>Plenary Lecture - Vladimir S. Kostic (Belgrade, RS)</b> Parkinson's disease or Parkinson's diseases				
11:30–13:10	<b>SY36 SATELLITE SYMPOSIUM OF NEUROTOXICITY SOCIETY: New potential therapeutic targets in case of neurodegenerative disorders and age-related degenerative processes</b>	<b>SY37 Transcriptional mechanisms: from neural fate decisions to circuit assembly</b>	<b>SY38 Behavioral, electrophysiological and tissue recovery after cerebral ischemia</b>	<b>SY39 Hypothalamic-pituitary system: physiological and cancer cell signaling pathway</b>	<b>SY40 Nanoparticles for therapy of CNS diseases</b>
	<i>Organizers: Andrea Tamas (Pécs, HU) and Maria Trinidad Herrero (Murcia, ES)</i>	<i>Organizers: Nissim Ben-Arie (Jerusalem, IL) and Panagiotis Politis (Athens, GR)</i>	<i>Organizers: Aurel Popa Wagner (Craiova, RO) and Ana-Maria Zagrean (Bucharest, RO)</i>	<i>Organizer: Stanko S. Stojilkovic (Bethesda, MD, USA)</i>	<i>Organizers: Aleksandra Isakovic (Belgrade, RS) and Vladimir Trajkovic (Belgrade, RS)</i>
	<b>Erika Pinér (Pécs, HU):</b> Critical role of TRPA1 receptor in the mouse basal forebrain cholinergic neurons in vivo	<b>Panagiotis Politis (Athens, GR):</b> The role of long non-coding RNAs in mammalian brain development	<b>Aurel Popa Wagner (Craiova, RO):</b> Pharmacological and cell-based therapies of cerebral ischemia	<b>Tatiana Fiordelisio (Mexico City, MX):</b> Hypothalamic-Vascular-Pituitary Unit Function and Plasticity	<b>Alexandra Porter (London, UK):</b> Bypassing the blood brain barrier using nanostars
	<b>Rita Raisman-Vozari (Paris, FR):</b> Old drugs for new treatments: role of tetracyclines in Parkinson Disease	<b>Stavros Taraviras (Patras, GR):</b> GemC1/Lynkeas is instructing ependymal fate in neural stem cells	<b>Dirk Hermann (Essen, DE):</b> Promoting neurological recovery and neuroplasticity in the ischemic brain	<b>Hana Zemkova (Prague, CZ):</b> Purinergic signaling in hypothalamus and pituitary	<b>Mattia Bramini (Genova, IT):</b> Graphene-based neural interfaces to target network excitability
	<b>Elaine del Bel (Sao Paulo, BR):</b> Tetracycline repurposing in neurodegeneration: focus on inflammation in Parkinson's disease	<b>Nissim Ben-Arie (Jerusalem, IL):</b> Spinal cord development: from transcriptional regulation to patterning to behavior	<b>Ana-Maria Zagrean (Bucharest, RO):</b> Prenatal modulation of brain vulnerability to asphyxia in rat	<b>Stanko S. Stojilkovic (Bethesda, MD, USA):</b> A single-cell transcriptome atlas of the anterior pituitary: 10x Genomics' New Chromium System	<b>Srecko Gajovic (Zagreb, HR):</b> Nanoparticles for in vivo visualization of the stem cells after transplantation in the mouse brain using magnetic resonance imaging
	<b>Maria-Trinidad Herrero (Murcia, ES):</b> Gut inflammation exacerbates dopaminergic degeneration and perpetuates neuroinflammation	<b>Avihu Klar (Jerusalem, IL):</b> Deciphering spinal neuronal circuit for refined locomotion and wing flapping in chick: genetic targeting, functional organization and behavioral analysis	<b>Mihai Moldovan (Copenhagen, DK):</b> Neurophysiological assessment of the post-ischemic brain	<b>Vera Popovic (Belgrade, RS):</b> Aggressive pituitary tumors and carcinomas: from genes to treatments	<b>Zeljka Stanojevic (Belgrade, RS):</b> Anti-neuroinflammatory and neuroprotective effects of graphene quantum dots
	<b>Andrea Tamas (Pécs, HU):</b> Examination of PACAP in blood samples of patients with Parkinson's disease		<b>Paco Herson (Denver, CO, USA):</b> Ischemic brain injury in the developing brain reveals unique mechanisms of cognitive impairments and endogenous plasticity		

	<b>Attila Bárdosi (Trier, DE):</b> Protective role of PACAP in age-related amyloid-related degenerative processes				
	<b>Sheela Vyas (Paris, FR):</b> Cell and context specific actions of glucocorticoids in Parkinson's disease pathology				
13:10-14:40	<b>Lunch Break &amp; Poster Session</b>			<b>FENS CHET</b>	
14:40-16:20	<b>SY41 Molecules for mind: how remote is the link?</b>	<b>SY42 The aging brain: mechanisms and interventions</b>	<b>SY43 Dissecting neural circuits of behavior</b>	<b>SY44 Understanding the role of GPCR heteroreceptor complexes in the neuronal networks of the brain in health and disease</b>	<b>SY45 Regional Mini Symposium</b>
	<i>Organizers: Pavel Balaban (Moscow, RU) and Konstantin Anokhin (Moscow, RU)</i>	<i>Organizers: Dan Ehninger (Bonn, DE) and Selma Kanazir (Belgrade, RS)</i>	<i>Organizers: Gulsen Surmeli (Edinburgh, UK) and Asli Ayaz (Zurich, CH)</i>	<i>Organizers: Dasiel O. Borroto-Escuela (Stockholm, SE) and Gemma Navarro (Barcelona, ES)</i>	<b>Dragan Hrnčić (Belgrade, RS):</b> Behavioral alterations in epilepsy and Alzheimer's disease: focus on shared mechanisms
	<b>Leszek Kaczmarek (Warsaw, PO):</b> Cleaving proteins at the synapse to link brain and mind	<b>Dan Ehninger (Bonn, GR):</b> Healthy aging in mice: pathways and interventions	<b>Asli Ayaz (Zurich, CH):</b> Sensorimotor integration in primary sensory cortices	<b>Miguel Pérez de la Mora (Mexico City, MX):</b> Signaling at D2R-OxytocinR heterocomplexes and their relevance for the anxiolytic effects of D2R-oxytocinR interactions in the amygdala of the rat	<b>Bogdan Catalin (Craiova, RO):</b> Perivascular fluid and amyloid Aβ drainage in the brain
	<b>David Glanzman (Los Angeles, CA, USA):</b> Transfer by RNA of an epigenetic long-term memory in Aplysia	<b>Efstathios S. Gonos (Athens, GR):</b> Proteasome activation delays aging and progression of age-related diseases	<b>Gulsen Surmeli (Edinburgh, UK):</b> Input-output pathways of the entorhinal cortex	<b>Michael di Palma (Urbino, IT):</b> The GPCR-HetNet: a network of interacting and non-interacting G protein-coupled receptor protomers	<b>Bilal Ersen Kerman (Istanbul, TR):</b> Stem cells and myelination
	<b>Pavel Balaban (Moscow, RU):</b> Molecular ways of memory maintenance regulation	<b>Kyriaki Sidiropoulou (Crete, GR):</b> Effects of working memory training in adult and aged mice on cognitive function	<b>Deniz Atasoy (Istanbul, TR):</b> Ascending brainstem circuits for appetite control	<b>Dasiel O. Borroto-Escuela (Stockholm, SE):</b> Brain 5-HT1A heteroreceptor complexes in a rat model of depression and as targets for antidepressant treatment	<b>Katerina Papanikolopoulou (Varese, GR):</b> Metal dyshomeostasis and oxidative stress in Tauopathies
	<b>Konstantin Anokhin (Moscow, RU):</b> Genetic trapping and imaging of engrams cells	<b>Aleksandra Mladenovic Djordjevic (Belgrade, RS):</b> Dietary restriction as neuroprotective strategy: the impact of onset and duration	<b>George Dragoi (New Haven, CT, USA):</b> Neuronal ensembles underlying internally-generated representations	<b>Gemma Navarro (Barcelona, ES):</b> Purinergic signaling in Parkinson's diseases. Relevance for treatment	<b>Mirsada Causevic (Sarajevo, BA):</b> Role of brain natriuretic peptide, an established biomarker of heart failure, in Alzheimer's disease spectrum
					<b>Anja Pišlar (Ljubljana, SI):</b> Cathepsin X as a Potential Therapeutic Target for Treatment of Parkinson's Disease
16:20-17:20	<b>Closing Talk - Richard Morris (Edinburgh, UK)</b> The making and keeping of memory				
17:20-18:00	<b>Poster Awards and Closing Remarks</b>				