



PRELIMINARY PROGRAMME

Wednesday, July 10, 2019					
	Room Pacific	Room Atlantic 1	Room Atlantic 2	Mediterranean	Baltic
12:00-19:00	Registration & Exhibition (Exhibition Area)				
13:30-16:00					1st Regional Meeting of National Brain Councils
16:15-16:45				FENS EJN Lecture - Best Publication Award 2019 Winner Stephan Steidl (Chicago, IL, USA): Optogenetic excitation in the ventral tegmental area of glutamatergic or cholinergic inputs from the laterodorsal tegmental area drives reward	
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	Registration & Exhibition (Exhibition Area)				
8:30–10:10	SY01 Cellular signaling and quality control mechanisms in neurodegeneration	SY02 Neurobiological mechanisms for susceptibility and resilience: “yin and yang” or “apples and oranges”?	SY03 Rodent models of social behavior and emotional states as a tool in studying brain disease: focus on ultrasonic vocalizations	SY04 Human electrophysiology in health and disease: from single neurons to networks	SY05 Pathophysiological and clinical approach to autoimmune neuropsychiatric diseases
	<i>Organizers: Simone Engelender (Haifa, IL) and Tiago Outeiro (Waldweg, DE)</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 (İstanbul, TR)</i>
	Simone Engelender (Haifa, IL): Role of monoubiquitination and SUMOylation in the homeostasis of α -synuclein in Parkinson's disease	Sthitapranjya Pati (Mumbai, IN): Chronic chemogenetic activation of forebrain excitatory neurons in postnatal life evokes long-lasting behavioral changes	Nicola Simola (Cagliari, IT): Rodent ultrasonic vocalizations: behavioral significance, mechanisms and use in the study of drug effects on the emotional state	Karri Lamsa (Szeged, HU): Robust GABAergic self-innervation inhibits supraglandular basket cells in human and mouse	Naoto Kawakami (München, DE): Immune cell interaction at blood brain barrier
	Tiago Outeiro (Goettingen, DE): Posttranslational modifications as regulators of alpha-synuclein homeostasis	Dipesh Chaudhury (Abu Dhabi, UAE): Effect of social stress on circadian rhythms and sleep-wake cycles	Roberto Andreatini (Curitiba, BR): Using ultrasonic vocalization in rats as an index of affective state in animal models of mania	Nathalie Rouach (Paris, FR): Pannexin-1 channels control seizure generation in humans	Erdem Tüzün (İstanbul, TR): Autoimmunity in Neurobehçet disease
	Leonidas Stefanis (Athens, GR): The association of lysosomal dysfunction to neurodegeneration: focus on synucleinopathies	Eva Mikics (Budapest, HU): Cognitive risk factors of vulnerability to post-traumatic stress disorder	Dóra Zelena (Budapest, HU): Vasopressinergic influence on social and emotional behavior	Rogier Poorthuis (Frankfurt, DE): Associative signalling in layer 1 of human and mouse neocortex	Pilar Martinez (Maastricht, NL): Low prevalence of autoantibodies related to neuronal and rheumatic autoimmune disease in sera of patients with psychotic disorders
	Elisa Greggio (Padova, IT): Role of LRRK2 phosphorylation in Parkinson's disease-associated neurodegeneration	Dani Dumitriu (New York, NY, USA): Neuronal function-structure differences mediating variable stress responses in inbred mice	Sylvie Granon (Orsay, FR): Social interaction and acoustic communication in mice as markers for healthy brain function and brain disorders	Andrei Ilie (Newcastle, UK): Electrical features of seizure activity in the brain: bridging the gap between human patients and animal models	Sukhvir Wright (Birmingham, UK): Autoimmune epilepsy: from symptoms to synapse
		Kafui Dzirasa (Durham, NC, USA): Mapping resilience: discovering structure in mesoscale electrical brain recordings		Kemal Turker (İstanbul, TR): Brief history of indirect ways to estimate synaptic potentials in human motor neurons	Atay Vural (İstanbul, TR): Autoimmunity in demyelinating neurological diseases
10:10-10:30	Coffee Break				
10:30-11:30	Plenary Lecture - Berislav Zlokovic (Los Angeles, CA, USA) Blood-brain barrier and CNS Dysfunction and Protection				
11:30–13:10	SY06 Structural and molecular underpinnings of human brain development	SY07 Imaging and modeling approaches in neuroscience	SY08 Temporal lobe epilepsy: from cells to molecules	SY09 Investigating neural circuit computations and connectivity underlying cognitive function	SY10 The orexin/hypocretin system orchestrates multifaceted physiological functions
	<i>Organizer: Mirjana Maletic-Savatic (Houston, TX, 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>
	Nada Zecevic (Farmington, CT, USA): Progenitor cells in the human developing cerebral cortex	Lawrence B Cohen (New Haven, CT, USA): Defining the functions of olfactory bulb processing via comparison of input and output: adaptation	Ivan Spasojević (Belgrade, RS): Hippocampal antioxidative system in epilepsy	Ewelina Knapska (Warsaw, PO): Socially transferred fear is modulated by oxytocin signaling in the central amygdale	Chiara Berteotti (Bologna, IT): Role of orexin/hypocretin signalling in physiological regulation: a lesson from narcoleptic mice
	Nevena Radonjic (Syracuse, NY, USA): N-Methyl D-Aspartate receptors in human cortical development	Efstratios Kosmidis (Thessaloniki, GR): Membrane potential fluctuations: Not that noisy	Gabriele Lignani (London, UK): Modulating promoter activity to treat intractable acquired epilepsy	Ileana Hanganu-Opatz (Hamburg, DE): Cognitive ontogeny in health and mental illness: a story of right communication	Christian Franceschini (Parma, IT): The psychological and psychosocial profile of Narcolepsy type 1: young and adult patients
	Snezana Milanovic (Boston, MA, USA): Neonatal biomarkers of in utero exposure to environmental stressors	Marko Popovic (Amsterdam, NL): Electrical signaling in the axon: theory, predictions and measurements	Alfredo Gonzalez-Sulser (Edinburgh, UK): GABAergic medial septal neurons and their role in models of temporal lobe epilepsy	Balazs Hangya (Budapest, HU): The role of basal forebrain cell types in associative learning	Marta Pace (Genova, IT): Study of melanin concentrating hormone and orexin/hypocretin neurons in the Prader-Willi syndrome
	Mirjana Maletic-Savatic (Houston, TX, USA): Fatty acids as signaling molecules and biomarkers of neurogenesis	Dejan Zecevic (New Haven, CT, USA): Synaptic signal integration in individual dendritic spines	Szilágyi Tibor (Tg. Mures, RO): Effect of experimental temporal lobe epilepsy on hippocampal GABAergic inhibition	Emre Yaksi (Trondheim, NO): Studying the function of ongoing activity and functional connectivity of habenular networks	Claudio Liguori (Roma, IT): Orexin and Alzheimer's disease
	Damian W. Young (Houston, TX, USA): Innovative Chemical Strategies for Modulating Neurogenesis	Srdjan D. Antic (Farmington, CT, USA): Glutamate mediated dendritic and somatic plateau potentials in cortical pyramidal neurons	Danijela Savić (Belgrade, RS): The importance of copper in pathology of mesial temporal lobe epilepsy		

13:10-14:10	Lunch Break & Poster Session 1				FENS CARE Transparency and training in animal research: how to move forward Moderator: <i>Christina Dalla (Athens, GR)</i> Kirk Leech (London, UK): Improving openness and transparency to the public Peter Janssen (Leuven, BE): Training of staff working with research animals
14:10-15:10					FENS EJM Publication Workshop Paul Bolam & Juan Lerma What happens to your paper when submitting to journal?
15:10-16:10	Plenary Lecture - Viviana Gradinaru (Pasadena, CA, USA) Gene Delivery across the Blood-Brain-Barrier, Whole-Body Tissue Clearing, and Optogenetics to understand and influence physiology and behavior				
16:10-17:50	SY11 From genes to memory: what brain pathology tells us about its normal function	SY12 Neuromodulation of brain states in health and disease: bridging experiments and computational models	SY13 The role of stress and inflammation in psychiatric disorders	SY14 Exploring novel therapeutic approaches for pain disorders	SY15 What can we learn from animal models of stress and Alzheimer's disease?
	Organizer: <i>Natalia N. Nalivaeva (Leeds, UK) and Illana Gozes (Tel Aviv, IL)</i>	Organizer: <i>Srikanth Ramaswamy (Lausanne, CH)</i>	Organizers: <i>Natasa Petronijevic (Belgrade, RS) and Nevena Radonjic (Syracuse, NY, USA)</i>	Organizers: <i>Slobodan M. Todorovic (Aurora, CO, USA) and Sonja Vuckovic (Belgrade, RS)</i>	Organizers: <i>Nela Puškaš (Belgrade, RS) and Christina Dalla (Athens, GR)</i>
	Illana Gozes (Tel Aviv, IL): ADNP as a master regulator of cognitive functions in autism and beyond	Joanna Urban-Ciecko (Warsaw, PO): Acetylcholine-dependent modulation of neocortical circuits	Sophie Erhardt (Stockholm, SE): Neuroinflammation in psychotic disorders - relevance for symptomatology and cognition	Slobodan M. Todorovic (Aurora, CO, USA): Molecular mechanisms of T-type calcium channels plasticity in painful diabetic neuropathy	Nikolaos Kokras (Athens, GR): Sex differences in stress animal models: from behaviour to neuroplasticity
	Denes Agoston (Bethesda, MD, USA): How Does Traumatic Brain Injury Impair Memory?	Kelly Tan (Basel, CH): Midbrain control of conditioned learning via striatal cholinergic interneurons	Gülden Yanikkaya Demirel (Istanbul, TR): Activation of inflammasome in major depression disorder	Vesna Jevtovic-Todorovic (Aurora, CO, USA): The role of GABAA receptors in chronic neuropathic pain after traumatic nerve injury	Melanie Meyer-Luehmann (Freiburg, DE): Seed-induced A β deposition impairs adult neurogenesis in 5xFAD mice
	Elena Rybnikova (St. Petersburg, RU): Gene-dependent mechanisms of hypoxic preconditioning: a cross-talk with neuroplasticity and memory	Vanessa Scholz (Radboud, NL): Motivational biases in decision-making: pharmacology, psychopathology and computations	Ana Pociavsek (Columbia, SC, USA): Elevated kynurenine pathway metabolism during neurodevelopment: Implications for brain and behavior	Helys Zsuzsanna (Pécs, HU): Mechanism of central sensitization and neuro-glia interactions in the passive transfer-trauma mouse model of Complex Regional Pain Syndrome	Joana M. Silva (Braga, PT): Dysregulation of autophagy and stress granule-related proteins in stress-driven Tau pathology
	Natalia Nalivaeva (Leeds, UK): Role of epigenetic regulation of amyloid-clearing proteins in memory and neurodegeneration	Srikanth Ramaswamy (Lausanne, CH): A data-driven in silico framework to predict cholinergic control of neocortical network states	Natasa Petronijevic (Belgrade, RS): Stress and inflammation in animal models of psychiatric disorders	Sonja Vuckovic (Belgrade, RS): Evidence for the involvement of nitric oxide in the antinociceptive effect of magnesium	Nela Puškaš (Belgrade, RS): Impairments of hippocampal neurogenesis in mouse model of Alzheimer's disease
			Fezyla Arıoğlu (Istanbul, TR): Targeting neuroinflammation for the treatment of psychiatric disorders: from preclinical perspective	Tatjana Lalic (Oxford, UK): The pain target, TRESK regulates SCN nocturnal membrane potential and Ca $^{2+}$ dynamics	Milka Perović (Belgrade, RS): Food restriction exacerbates inflammation and neuronal deficits in mouse model of Alzheimer's Disease
17:50-18:10	Coffee Break				
18:10-19:10	Special Interest Lecture - George Paxinos (Sydney, AU): Brain and Mind: Who is the Puppet and Who the Puppeteer?	Nano Symposium I Richard Rosch (London, UK); Dragana Srebro (Belgrade, RS); Alexandru-Florian Deftu (Bucharest, RO); Sonja Lj. Joksimovic (Aurora, CO, USA); Roxana Surugiu (Craiova, RO); Özgür Öztop Çakmak (Istanbul, TR)	Nano Symposium II Dunja Drakulic (Belgrade, RS); Milena Milošević (Belgrade, RS); Milica M. Borovčanin (Kragujevac, RS); Daria Kveštak (Rijeka, HR); Iva Božić (Belgrade, RS)	Special Interest Symposium - Tinnitus, an interdisciplinary puzzle: new insights on etiology, pathophysiology, diagnostics and therapy Organizers: <i>Tijana Bojić (Belgrade, RS)</i>	BLITZ SESSION *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	SY16 Imaging of the nervous system across different scales – from neuronal networks to single molecules	SY17 Molecular basis of neurodegeneration	SY18 Modelling of Neuronal disorders through cell reprogramming	SY19 Neuronal basis of innate and learned behaviours	SY20 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>
	Thomas Misgeld (Munich, DE): May the force be with you: Mitochondrial life in the nervous system	Boris Rogelj (Ljubljana, SI): Perturbed nucleocytoplasmic shuttling in ALS and FTD	Giuseppe Testa (Milan, IT): De humani corporis fabrica: organoid-based deconvolution of neuropsychiatric disorders at single cell resolution	Gilad Silberberg (Stockholm, SE): Dopamine-Acetylcholine Interactions Underlying Striatal Sensorimotor Functions	Pembe Hande Ozdinler (Chicago, IL, USA): Understanding upper motor neuron biology via omics data from genes and proteins
	Martin Kerschensteiner (Munich, DE): <i>In vivo</i> pathogenesis of autoimmune white and gray matter damage	Tibor Hortobagyi (Szeged, HU): ALS/FTD under the microscope: insight into pathomechanism	Nael Nadif Kasri (Nijmegen, NL): Reverse engineering the brain to understand neurodevelopmental disorders	Anne Petzhold (Cologne, DE): Dynamics of the prefrontal cortical neural ensembles during feeding behaviours in freely moving mice	Tunahan Cakir (Gebze / Kocaeli, TR): Elucidation of Parkinson's Disease Mechanisms by Mapping Transcriptome Data on Molecular Interaction Networks
	Ivana Nikić-Spiegel (Tübingen, DE): Imaging axonal injury with nanoscale resolution	Emanuele Buratti (Trieste, IT): Use of hnRNP proteins as modifiers of TDP-43 functions in ALS and FTD neuropathological pathways	Arik Hasson (Kadimastem, IL): Astrocyte-based cell therapy: new hope for amyotrophic lateral sclerosis patients?	Janelle Pakan (Magdeburg, DE): The role of active behaviour in shaping visual processing	Kazim Yalcin Arga (Istanbul, TR): Systems Biomarkers for Accurate Diagnosis, Prognosis and Therapy in Neurological Disorders
	Petar Marinković (Munich, DE): <i>In vivo</i> imaging reveals reduced activity of neuronal circuits in a mouse tauopathy model	Eva Zerovnik (Ljubljana, SI): What is known about amyloid-pore structure and common down-stream processes	Marija Mihailovic (Milan, IT): Deconvolution of gene regulatory networks downstream of 7q11.23 dosage imbalances in Williams-Beuren Syndrome (WBS) and 7q11.23 microduplication syndromes (7dup)	Sanja Mikulovic (Bonn, DE): On motion and emotion – neuronal circuits underlying locomotion and aversive behavior in the hippocampus/medial septum system	Isil Kurnaz (Gebze / Kocaeli, TR): Computational biology for studying neurodevelopmental disorders and tumor formation
				Vladislav Sekulic (Tokyo, JP): Combined experimental and computational strategies for constraining neuronal function of O-LM hippocampal interneurons in mnemonic behaviours	
10:10-10:30	Coffee Break				
10:30–11:30	Plenary Lecture - Li-Huei Tsai (Cambridge, MA, USA) Gamma frequency entrainment using sensory stimuli confers neuroprotection and enhances cognitive function				
11:30–13:10	SY21 Current advances in understanding synaptic function and dysfunction	SY22 Sleep homeostasis and neuromodulation – from local to global neuronal networks	SY23 Nanoparticles for therapy of CNS diseases	European Research Council (ERC) Session Janka Matrai (Brussels, BE): ERC, the EU13 and associated countries: attempts to close the gap Ewelina Knapaska (Warsaw, PL) Balazs Hangya (Budapest, HU) Emre Yaksi (Trondheim, NO)	SY24 Mitochondrial mechanisms in neurodegeneration and neuromodulation in Parkinson's disease <i>Organizer: Vladimir S. Kostić (Belgrade, RS)</i>
	<i>Organizer: Peter Penzes (Chicago, IL, USA)</i>	<i>Organizer: Jasna Saponjic (Belgrade, RS)</i>	<i>Organizers: Aleksandra Isakovic (Belgrade, RS) and Vladimir Trajkovic (Belgrade, RS)</i>		Christine Klein (Luebeck, DE): Role of mitochondria and energy metabolism in monogenic PD
	Scott Soderling (Durham, NC, USA): Proteomic analysis of excitatory and inhibitory synapses	Tom de Boer (Leiden, NL): Changes in sleep homeostasis and EEG slow-waves in the course of aging in mice	Alexandra Porter (London, UK): Multi-Branched Gold Nanoparticles as Brain-targeted Nano-Vehicles for treatment of Parkinson's Disease		Poul Henning Jensen (Aarhus, DK): Manipulating neuronal calcium homeostasis protect against symptomatology and death in a prion-like alpha-synuclein transgenic mouse of Parkinson's disease
	Noémi Holderith (Budapest, HU): Direct quantitative proteomics of functionally characterized glutamatergic synapses	George Kostopoulos (Patras, GR): Can K-complexes function as sleep sentinel?	Mattia Bramini (Genova, IT): Graphene-based neural interfaces to target network excitability		
	Yasunori Hayashi (Tokyo, JP): Mechanism of Ca ²⁺ -dependent regulation of postsynaptic binding capacity	Luppi Pierre-Hervé (Lyon, FR): Neuronal network of paradoxical (REM) sleep and its implication in learning and memory and sleep pathologies	Srecko Gajovic (Zagreb, HR): Nanoparticles for <i>in vivo</i> visualization of the stem cells after transplantation in the mouse brain using magnetic resonance imaging		Enza Maria Valente (Pavia, IT): Old and new functions of the mitochondrial kinase PINK1 to promote neuronal survival

	Peter Penzes (Chicago, IL, USA): Proteomic profiling of the 16p11.2 microduplication mouse model reveals alterations in ion channel trafficking	Jasna Saponjic (Belgrade, RS): Disorders of cortical and hippocampal sleep and NREM/REM related sleep spindle dynamics in the experimental models of Parkinson's disease	Zeljka Stanojevic (Belgrade, RS): Anti-neuroinflammatory and neuroprotective effects of graphene quantum dots		Ivanka Marković (Belgrade, RS): Targeting energy-sensing pathways as potential neuroprotective strategy in PD
			Torben Moos (Aalborg, DK): Use of targeted nanoparticles to bypass the blood-brain barrier		
13:10-14:10	Lunch Break & Poster Session 2			ALBA Network 13:10-13:40 Presentation on gender balance and equality in neuroscience 13:40-14:00 Introduction to the ALBA network by Carmen Sandi (ALBA Steering Committee, Chair) 14:00- Networking	FENS HISTORY Lorenzo Lorusso , Chair - FENS History Committee Paul Bolam , FENS History Committee member and co-editor-in-chief of the European Journal of Neuroscience Poster presentation of the History Corner Prize winner Ljubisa Rakic , President of the Serbian Neuroscience Society Gönül Peker , Honorary President of the Neuroscience Society of Turkey Octavian Buda , representing the National Neuroscience Society of Romania
14:10-15:10					
15:10-16:10	Plenary Lecture - Sergiu Pasca (Palo Alto, CA, USA) Assembling three-dimensional brain models to study human development and disease				
16:10-17:50	SY25 Gaba-ergic control of neuronal plasticity in the hippocampal dentate gyrus: functional implications	SY26 Psychotic disorders – progress in identifying the biological substrates of a complex presentation	SY27 Observing neuronal computation during behavior with large-scale imaging methods	SY28 Gender issues in neuroscience research	SY29 Molecular factors of neurorepair
	<i>Organizers: Gal Richter-Levin (Haifa, IL) and Jelena Radulovic (Chicago, IL, USA)</i>	<i>Organizers: Jeremy Hall (Cardiff, UK), Nadja P. Maric (Belgrade, Serbia) and Society of Biological Psychiatry (Serbia)</i>	<i>Organizer: Balazs Rozsa (Budapest, HU)</i>	<i>Organizer: Anastasia S. Tsingotjidou (Thessaloniki, GR)</i>	<i>Organizers: Igor Jakovčevski (Köln, DE) and Pavle Andjus (Belgrade, RS)</i>
	Hans Juergen Volkmer (Reutlingen, DE): Signalling pathways involved in selective inhibitory synapse stabilization	Jeremy Hall (Cardiff, UK): Investigating the genetic basis of psychotic disorders based on risk mediated through calcium channels	Williamson Adam (Marseille, FR): Therapeutic use of neuroprosthetics based on organic electronics	Klas Abelson (Copenhagen, DK): Gender of laboratory animals in neuroscience (with focus on rodents)	Lars Klimaschewski (Innsbruck, AT): Interference with endogenous ERK inhibitors as novel treatment strategy for neurological diseases
	Oliver Stork (Magdeburg, DE): GABAergic mechanisms in the hippocampus controlling fear memory strength and specificity	Sameer Jauhar (London, UK): Neurochemical imaging in first episode psychosis and antipsychotic response	Vincent Daria (Canberra, AU): Multi-site voltage and calcium two-photon imaging reveal dendritic spikes along thin apical dendrites of cortical pyramidal neurons	Anastasia S. Tsingotjidou (Thessaloniki, GR): Gender bias in pain basic research: latest data	David Lutz (Hamburg, DE): Proteolytic processing of cell adhesion molecule L1 (L1CAM) in nervous system development and regeneration
	Gal Richter-Levin (Haifa, IL): Stress modulation of hippocampal activity-spotlight on the dentate gyrus	Ljubica Tasic (Sao Paulo, BR): Lipidomics, Biomarkers, and Schizophrenia: A Current Perspective	Kepecs Adam (Cold Spring Harbor, NY, USA): Cortex-wide activation of VIP-expressing inhibitory neurons by reward and punishment	Patrick Sharp (Murdoch, AU): Non-experimental research variables impacting gender-based research	Igor Jakovčevski (Köln, DE): Embryonic loss of HCN/h-channel function in mouse forebrain results in impaired neural progenitor proliferation and microcephaly
	Jelena Radulovic (Chicago, IL, USA): Oxytocin receptor positive interneurons in the dentate gyrus role in social behavior	Mark Millan (Croissy-sur-Seine, FR): Transgressing boundaries: unifying concepts for preventing and treating complex disorders from schizophrenia to dementia - to ecosystem damage	Rozsa Balazs (Budapest, HU): Fast 3D imaging by 3D acousto-optical microscopy revealed spatiotemporally orchestrated clusters in the visual cortex	Milos Mitic (Belgrade, RS): Sex differences in animal models of psychiatric disorders	Pavle Andjus (Belgrade, RS): Tenascin-C in neuronal plasticity and repair
17:50-18:10	Coffee Break				
18:10-19:10	Special Interest Lectures - Reha S. Erzurumlu (Baltimore, MD, USA): Somatosensory circuit alterations in neurodevelopmental disorders	Nano Symposium III Verica Paunović (Belgrade, RS); Danijela Drakulić (Belgrade, RS); Ana Todorovic (Belgrade, RS); Ebru Erzurumluoglu (Eskisehir, TR); Iva Lakić (Belgrade, RS)		Special Interest Symposium - Circadian and redox regulation in the development and potential treatment of substance addiction <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	SY30 Neuroepigenetics and brain disorders	SY31 Autophagy regulation and its role in neuronal function, survival, and death	SY32 Distributed Neuronal Circuits of Fear	SY33 Cognitive neuroscience and addictive behaviors	SY34 On the crossroad of epilepsy and Alzheimer's disease: from genes to behavior
	<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>
	Johannes Gräff (Lausanne, CH): PM20D1 – a disease-relevant chromatin loop in Alzheimer's	Nektarios Tavernarakis (Heraklion, GR): Regulation and roles of autophagy in the central nervous system	Johannes Letzkus (Frankfurt, DE): Circuit mechanisms of threat memory in auditory cortex	Mohammad Taghi Joghataei (Tehran, IR): Addiction as a brain disorder	Olivera Stanojlovic (Belgrade, RS): Experimental models of epilepsies: mechanistic approach to hyperexcitability
	Angel Barco (Alicante, ES): Epigenetic etiology of intellectual disability: Focus on the Rubinstein-Taybi syndrome	Viktor Korolchuk (Newcastle upon Tyne, UK): Autophagy as a mechanism of oxidative stress response	Nadine Gogolla (Munich-Martinsried, DE): State-dependent regulation of fear extinction learning by insular cortical circuits	Abbas Haghparast (Tehran, IR): Stress, cognition and addictive behaviours	Sara Merlo (Catania, IT): Molecular mechanisms in Alzheimer's disease: implications for comorbidities
	Marija Kundakovic (New York, NY, USA): Sex-specific epigenetic regulation and psychiatric disorders	Julien Puyal (Lausanne, CH): Targeting the dark side of autophagy to protect against neuronal death: evidences from neonatal cerebral hypoxia-ischemia	Maren Lange (Münster, DE): Synaptic circuits of the extended amygdala and their role in sustained fear	Reza Khosrowabadi (Tehran, IR): Brain functional and structural changes associated with methamphetamine abuse	Ekatarina Lopatina (St. Petersburg, RU): Sodium pump and its role in excitability and brain disorders
	Maurizio Popoli (Milano, IT): Resilience and vulnerability in the response to acute and chronic stress: a role for microRNAs	Ljubica Vucicevic (Belgrade, RS): Autophagy regulation and its role in glutamate excitotoxicity during nutrient stress	Enrica Paradiso (Innsbruck, AT): Amygdala microcircuits for aversive learning	Vesna Pesic (Belgrade, RS): The influence of propofol on mood and memory in adolescence – findings in animal model	Yavuz Dodurga (Denizli, TR): Hippocampal neuropathology in brain disorders: the role of genetic factors in epilepsy and Alzheimer's disease
	Marin Veldic (Rochester, MN, USA): Glutamatergic dysregulation in bipolar disorder: genetic or epigenetic problem?				Dmitry Lim (Novara, IT): Astroglial calcineurin regulates neuronal excitability and protein expression
10:10-10:30	Coffee Break				
10:30–11:30	Plenary Lecture Bosiljka Tasic (Seattle, WA, USA):				
11:30–13:10	SY35 SATELLITE SYMPOSIUM OF NEUROTOXICITY SOCIETY: New potential therapeutic targets in case of neurodegenerative disorders and age-related degenerative processes	SY36 Transcriptional mechanisms: from neural fate decisions to curcuit assembly	SY37 Behavioral, electrophysiological and tissue recovery after cerebral ischemia	SY38 Hypothalamic-pituitary system: physiological and cancer cell signaling pathway	SY39 Molecules for mind: how remote is the link?
	<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: Pavel Balaban (Moscow, RU) and Konstantin Anokhin (Moscow, RU)</i>
	Erika Pinér (Pécs, HU): Critical role of TRPA1 receptor in the mouse basal forebrain cholinergic neurons <i>in vivo</i>	Panagiotis Politis (Athens, GR): The role of long non-coding RNAs in mammalian brain development	Aurel Popa Wagner (Craiova, RO): Pharmacological and cell-based therapies of cerebral ischemia	Tatiana Fiordelisio (Mexico City, MX): Hypothalamic-Vascular-Pituitary Unit Function and Plasticity	Leszek Kaczmarek (Warsaw, PO): Cleaving proteins at the synapse to link brain and mind
	Rita Raisman-Vozari (Paris, FR): Old drugs for new treatments: role of tetracyclines in Parkinson Disease	Stavros Taraviras (Patras, GR): Geminin superfamily members are critical switch for adult NSC and ependymal cell specification	Dirk Hermann (Essen, DE): Promoting neurological recovery and neuroplasticity in the ischemic brain	Hana Zemkova (Prague, CZ): Purinergic signaling in hypothalamus and pituitary	Pavel Balaban (Moscow, RU): Molecular ways of memory maintenance regulation
	María-Trinidad Herrero (Murcia, ES): Gut inflammation exacerbates dopaminergic degeneration and perpetuates neuroinflammation	Nissim Ben-Arie (Jerusalem, IL): Ventral spinal cord development: from transcriptional regulation to patterning to behavior	Ana-Maria Zagrean (Bucharest, RO): Prenatal modulation of brain vulnerability to asphyxia in rat	Stanko S. Stojilkovic (Bethesda, MD, USA): A single-cell transcriptome atlas of the anterior pituitary: 10x Genomics' New Chromium System	Konstantin Anokhin (Moscow, RU): Genetic trapping and imaging of engrams cells
	Andrea Tamas (Pécs, HU): Examination of PACAP in blood samples of patients with Parkinson's disease	Avihu Klar (Jerusalem, IL): Deciphering spinal neuronal circuit for refined locomotion and wing flapping in chick: genetic targeting, functional organization and behavioral analysis	Mihai Moldovan (Copenhagen, DK): Neurophysiological assessment of the post-ischemic brain	Vera Popovic (Belgrade, RS): From pituitary adenoma to aggressive pituitary tumor: we are not near yet!	
	Sheela Vyas (Paris, FR): Cell and context specific actions of glucocorticoids in Parkinson's disease pathology				

13:10-14:40	Lunch Break & Poster Session 3			<p>CHET and the FENS-Kavli Scholars Chairs: <i>Emre Yaksi & Johannes Letzkus</i></p> <p>* FENS-CHET Committee of Higher Education and Training: <i>Fabio Blandini (Pavia, IT)</i></p> <p>* FENS-Kavli Scholars Panel discussion:</p> <p><i>Ewelina Knapska (Warsaw, PL)</i> <i>Balazs Hangya (Budapest, HU)</i> <i>Emre Yaksi (Trondheim, NO)</i> <i>Johannes Letzkus (Frankfurt, DE)</i></p>	
14:40-16:20	SY40 The aging brain: mechanisms and interventions	SY41 Dissecting neural circuits of behavior		SY42 Understanding the role of GPCR heteroreceptor complexes in the neuronal networks of the brain in health and disease	SY43 Regional Mini Symposium <i>Moderators:</i> <i>Emel Ulupinar (Istanbul, TR)</i> <i>Aleksandra Isakovic (Belgrade, RS)</i> <i>Ana-Maria Zagrean (Bucharest, RO)</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>	Dragan Hrnčić (Belgrade, RS): Sleep alterations in epilepsy and Alzheimer's disease: focus on shared mechanisms
	Dan Ehninger (Bonn, GR): Lifespan and healthspan in mice: mechanisms and interventions	Asli Ayaz (Zurich, CH): Sensorimotor integration in primary sensory cortices		Miguel Pérez de la Mora (Mexico City, MX): Signaling at D2R-OxytocinR heterocomplexes and their relevance for the anxiolytic effects of D2R-oxytocinR interactions in the amygdala of the rat	Bogdan Catalin (Craiova, RO): Perivascular fluid and amyloid Aβ drainage in the brain
	Efstathios S. Gonos (Athens, GR): Proteasome activation delays aging and progression of age-related diseases	Gulsen Surmeli (Edinburgh, UK): Pathways for bridging the memory hubs of the brain		Michael di Palma (Urbino, IT): The GPCR-HetNet: a network of interacting and non-interacting G protein-coupled receptor protomers	Bilal Ersen Kerman (Istanbul, TR): Stem cells and myelination
	Kyriaki Sidiropoulou (Crete, GR): Effects of working memory training in adult and aged mice on cognitive function	Deniz Atasoy (Istanbul, TR): Ascending brainstem circuits for appetite control		Dasiel O. Borroto-Escuela (Stockholm, SE): Brain 5-HT1A heteroreceptor complexes in a rat model of depression and as targets for antidepressant treatment	Katerina Papanikolopoulou (Varese, GR): Metal dyshomeostasis and oxidative stress in Tauopathies
	Aleksandra Mladenovic Djordjevic (Belgrade, RS): Dietary restriction as neuroprotective strategy: the impact of onset and duration	George Dragoi (New Haven, CT, USA): Neuronal ensembles underlying internally-generated representations		Gemma Navarro (Barcelona, ES): Purinergic signaling in Parkinson's diseases. Relevance for treatment	Anja Pišlar (Ljubljana, SI): Cathepsin X as a Potential Therapeutic Target for Treatment of Parkinson's Disease
16:20-17:20	Closing Lecture - Richard Morris (Edinburgh, UK) The making and keeping of memory				
17:20-18:00	Poster Awards and Closing Remarks				