

15.45 - 16.00 Matija Fenrich (University of Osijek, prof. dr. sc. Marija Heffer): "Changes in iron content and hippocampal volume in obese rats"

16.00 - 16.15 Ana Knezović (Croatian Institute for Brain Research, prof. dr. sc. Melita Šalković-Petrišić): "Oral galactose treatment in a rat model of sporadic Alzheimer's disease"

16.15 - 16.30 Coffee Break

16.30 - 18.30 Session 3 (Chairpersons: prof. dr. sc. Marija Heffer, prof. dr. sc. Goran Šimić)

16.30 - 16.45 Nikola Habek (Croatian Institute for Brain Research, prof. dr. sc. Aleksandra Dugandžić): "New, GC-C independent, signaling pathway for uroguanylin in the brain"

16.45 - 17.00 Tihana Repić (University of Split, prof. dr. sc. Damir Sapunar): "Characterization of dorsal root ganglion neurons cultured on silicon micro-pillar substrates"

17.00 - 17.15 Ivo Calaresu (SISSA Trieste, prof. dr. sc. Laura Ballerini): "Entorhino-Hippocampal explants interfaced to nanomaterial-based substrates"

17.15 - 17.30 Marko Gosak (University of Maribor, prof. dr. sc. Andraž Stožer, prof. dr. sc. Jure Dolensek): "Network and Multilayer Network Approaches to Understanding Multicellular Pancreatic Beta Cell Dynamics"

17.30 - 17.45 Jaspreet Kaur (SISSA Trieste, prof. dr. sc. Andrea Nistri): "Effect of nicotine on locomotor networks of an in vitro spinal cord injury model"

17.45 - 18.00 David Andrijević (University of Osijek, prof. dr. sc. Marija Heffer): "MRI detection of different demyelination types in mice"

18.00 - 18.15 Stefan Stamenković (University of Belgrade, prof. dr. sc. Pavle Andjus): "Imaging of glial cell morphology, SOD1 distribution and elemental composition in the brainstem and hippocampus of the ALS hSOD1G93A rat"

18.15 - 18.30 Mirjana Babić Leko (Croatian Institute for Brain Research, prof. dr. sc. Goran Šimić): "The blood-brain barrier: a novel target for treatment of Alzheimer's disease"

18.30 - 18.45 Closing remarks and discussion (Chairpersons: prof. dr. sc. Laura Ballerini, doc. dr. sc. Jernej Jorgačevski)

18.45 - 19.30 Pizza and farewell



1917–2017
100 Years of School of
Medicine, University of
Zagreb

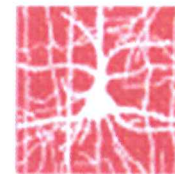
21st Young Neuroscientist Meeting

Zagreb, 29th June 2017

Croatian Institute for Brain Research

Ground floor lecture hall

Šalata 12, HR-10000 Zagreb



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NEUROSCIENCE

21st Young Neuroscientist Meeting programme:

10.00 - 10.30 Registration

10.30 - 10.45 Welcome and introduction

10.45 - 12.45 Session 1 (Chairperson: prof. dr. sc. Damir Sapunar, prof. dr. sc. Srećko Gajović)

10.45 - 11.00 Dora Polšek (Croatian Institute for Brain Research, prof. dr. sc. Srećko Gajović): "Neuroinflammation in mice after exposure to intermittent hypoxia"

11.00 - 11.15 Giulia Panattoni (SISSA Trieste, prof. dr. sc. Laura Ballerini): "Neuroinflammatory stress and GABAergic control of cultured spinal network"

11.15 - 11.30 Mina Perić (University of Belgrade, prof. dr. sc. Pavle Andjus): "Inwardly rectifying potassium channel Kir4.1 in microglial cells of the hSOD1G93A rat ALS model"

11.30 - 11.45 Eva Lasič (University of Ljubljana, prof. dr. sc. Matjaž Stenovec) : "Regulation of the vesicle fusion pore with small-molecule dynamin modulators"

11.45 - 12.00 Francesca Erolì (SISSA Trieste, prof. dr. sc. Andrea Nistri): "An electrophysiological study of the neuromodulatory role of endocannabinoids in the rodent trigeminal sensory ganglion"

12.00 - 12.15 Ivana Vuka (University of Split, prof. dr. sc. Livia Puljak): "Electrical stimulation of rat dorsal root ganglion – a new therapeutic approach for neuropathic pain"

12.15 - 12.30 Elisa Nerli (University of Trieste, prof. dr. sc. Enrico Tongiorgi): "Drug screening using an in vitro model of Rett Syndrome that recapitulates blockade of neuronal development and dendritic atrophy"

12.30 - 12.45 Anja Bukovac (Croatian Institute for Brain Research, prof. dr. sc. Nives Pećina Šlaus): "The impact of cadherin switch on the epithelial-mesenchymal transition and phosphorylation status of beta-catenin in intracranial meningiomas"

12.45 - 14.15 Lunch break with poster presentations and tour of Laboratory for Regenerative Neuroscience, CIBR

List of poster presentations (Chairpersons: prof. dr. sc. Ivana Mumitić, doc. dr. sc. Marija Ćurlin):

1. Ivana Tomljanović, Antonela Petrović, Mirela Sedić (University of Rijeka, prof. dr. sc.

Miranda Mladinić Pejatović): "Identification of key molecules underlying neuronal regeneration in the opossum spinal cord using proteomics"

2. Markovinović A., Ljutić T., Milojević T. (University of Rijeka, prof. dr. sc. Ivana Mumitić): "Characterization of the role of optineurin in neurodegeneration"

3. Jelena Simonović (University of Belgrade, prof. dr. sc. Jelena Milašin): "Neuronal differentiation of dental stem cells by using nanoparticles"

4. Marija Živaljić (Croatian Institute for Brain Research, prof. dr. sc. Srećko Gajović): "Neurofilament H as a neuronal marker in the living mouse"

5. Marta Skelin (Croatian Institute for Brain Research, doc. dr. sc. Marija Ćurlin): "GABA in modulation of uterine cervical gland secretion"

6. Iva Salamon (Croatian Institute for Brain Research, prof. dr. sc. Dinko Mitrečić): "Neurogenic potential of mouse embryonic neural stem cells and adult human oral mucosa stem cells"

14.15 - 16.15 Session 2 (Chairpersons: prof. dr. sc. Miranda Mladenić Pejatović, prof. dr. sc. Nives Pećina Šlaus)

14.15 - 14.30 Katarina Ilić (Croatian Institute for Brain Research, prof. dr. sc. Svjetlana Kalanj Bognar): "How specific lipid environment influences expression and localization of cell-adhesion molecule neuropilin?"

14.30 - 14.45 Milorad Zjalić (University of Osijek, prof. dr. sc. Marija Heffer): "Histologic and immunohistochemical markers of myelination on the example of spontaneously demyelinating mouse model B4GALNT1"

14.45 - 15.00 Javier Flores Gutierrez (University of Trieste, prof. dr. sc. Enrico Tongiorgi): "Therapeutical potential of mirtazapine in Rett syndrome: a pre-clinical study on behavioral and morphological deficits"

15.00 - 15.15 Laura Monni (SISSA Trieste, prof. dr. sc. Andrea Nistri): "Neurotoxicity of propofol on rat hypoglossal motoneurons in vitro"

15.15 - 15.30 Katja Fink (University of Ljubljana, prof. dr. sc. Marko Kreft, prof. dr. sc. Nina Vardjan): "L-lactate production from extra- and intra-cellular sources in rat astrocytes"

15.30 - 15.45 Viljem Pohorec (University of Maribor, prof. dr. sc. Andraž Stožer, prof. dr. sc. Jure Dolensek): "Calcium dynamics in beta cells of western diet fed C57bl/6j mice"