

PROGRAMME

Thursday, September 17th, 2015

School of Medicine, Building B, Amphitheatre Hall, Šoltanska 2

Registration 17.00 - 18.00

18.00 - 18.15 Opening remarks

Zoran Đogaš, President of the 5th Croatian Neuroscience Congress Organizing Committee

Ivica Kostović, President of the Croatian Society for Neuroscience

18.15 - 19.00 Opening presidential lecture

Claudio Bassetti, Department of Neurology, University Hospital Bern, Switzerland

Stroke and sleep

19.00 - 19.20 Plenary lecture

Zoran Đogaš, School of Medicine, University of Split

Translational research on neuroplasticity of breathing and effect of intermittent hypoxia in anesthesia and sleep

19.30 Welcome reception

Friday, September 18th, 2015

School of Medicine, Building B, Amphitheatre Hall, Šoltanska 2

Plenary lectures - Croatian Science Foundation Research Projects in Neuroscience (2014)

9.00 - 9.20

Rozi Andretić Waldowski, Department of Biotechnology, University of Rijeka
Defining the role of circadian genes in behavioral sensitization to psychostimulants in *Drosophila melanogaster*

9.25 - 9.45

Fran Borovečki, School of Medicine, University of Zagreb
Genetic mechanisms of lysosomal dysfunction in Parkinson's disease

9.50 - 10.10

Damir Sapunar, School of Medicine, University of Split
Treating neuropathic pain with dorsal root ganglion stimulation

10.15 - 10.45 Coffee break

10.45 - 11.05

Zdravko Petanjek, School of Medicine, University of Zagreb
Microcircuitry of higher cognitive functions

11.10 - 11.30

Mario Vukšić, School of Medicine, University of Zagreb
Histological, MRI and gene expression analysis of the reorganizational processes in the medial (limbic) wall of developing human cerebrum

11.35 - 11.55

Nives Pećina Šlaus, School of Medicine, University of Zagreb
The Role of Wnt signaling in Epithelial to Mesenchymal Transition

12.00 - 14.00 Lunch break

Plenary lecture - EU FP7 grant GlowBrain

14.00 - 14.20 Srećko Gajović, School of Medicine, University of Zagreb
***In vivo* visualization of the mouse brain response after ischemic lesion using GlowBrain platform**

Special Lecture – Branimir Jernej Prize

14.30 - 15.00 *Introduction by Ivica Kostović, member of Branimir Jernej Foundation Board*
Ana Hladnik, School of Medicine, University of Zagreb
Spatio-temporal extension in site of origin for cortical calretinin neurons in primates

15.00 - 15.15 *Coffee break*

Short presentations

School of Medicine, Building B, Seminar Room 101, Šoltanska 2

15.15 - 15.30 *Announcement of selected Croatian Science Foundation Research Projects, 2015*
Nela Pivac, Division of Molecular Medicine, Rudjer Boskovic Institute, Zagreb
Genomic and glycomic biomarkers for PTSD

15.30 - 15.40 Martina Rinčić, School of Medicine, University of Zagreb
Customized high resolution array CGH for neurodevelopmental disorders: our experience

15.40 - 15.50 Leja Dolenc Grošelj, School of Medicine, University of Ljubljana
Effect of bedrest and hypoxia on sleep architecture and respiration during sleep

15.50 - 16.00 Aleksandra Sindić, School of Medicine, University of Zagreb
The Effect of Natriuretic Peptides and Bradykinin after Ischemic Stroke

16.00 - 16.10 Nicholas Bradshaw, Heinrich Heine University, Düsseldorf, Germany
Aggregation of the protein TRIOBP-1 and schizophrenia

Poster presentations

16.30 - 18.30 Poster presentations and Discussions I

20.00 - 23.00 *Dinner for Congress participants*

Saturday, September 19th, 2015

9.30 - 9.45 Morning (Awakenings) coffee and refreshments

Poster presentations

9.45- 11.30 Poster presentations and Discussions II

Short presentations

School of Medicine, Building B, Seminar Room 101, Šoltanska 2

- 11.30 - 11.40** Dolores Britvić, School of Medicine, University of Split
Comparison of Sleep Disturbances in PTSD and Depression Patients
- 11.40 - 11.50** Damir Kovačić, School of Medicine, University of Split
A New Auditory Neuro-Electronic Interface: Spiral Ganglion Neurons Cultured On Advanced Micro-Electrode Array
- 11.50 - 12.00** Maja Rogić Vidaković, School of Medicine, University of Split
Methodologies for detection of speech and language related cortical areas preoperatively and intraoperatively during awake craniotomy
- 12.00 - 12.10** Igor Pongrac, School of Medicine, University of Zagreb
Coating maghemite nanoparticles with D-mannose and poly(L-lysine) improves their potential for labeling neural stem cells for in vivo tracking after mouse ischemic brain injury
- 12.10 - 12.20** Ludger Grote, University of Gothenburg
Restless legs syndrome – a pain syndrome?

Closing remarks and farewell

13.00 - 13.30

POSTER SESSIONS

Friday, 18th September 2015

- P1** Molecular neuroscience
P2 Basic neuroscience
P3 Neurodevelopmental basis of cognitive, mental and neurological disorders

Saturday, 19th September 2015

- P4** Cerebrospinal pathophysiology
P5 Sleep and respiratory neurophysiology
P6 Neurodegenerative disorders
P7 Cognitive neuroscience
P8 Clinical neuroscience

P9 Neuropharmacology and pharmacology

P10 Neuroscience and Engineering

SATELLITE SYMPOSIUM

SPLIT SLEEP SYMPOSIUM

17th September 2015, School of Medicine, Split

Thursday, 17.09.2015.

School of Medicine, University of Split, Šoltanska 2

9.00 - 17.30 Split Sleep Symposium

SATELLITE EVENT

STUDENTS IN NEUROSCIENCE

19th September 2015, School of Medicine, Split

Saturday, 19.09.2015.

Buiding B, Seminar Room 102

School of Medicine, University of Split, Šoltanska 2

11.30 - 13.00 Presentation of **Student neuroscience section** activities
