

SNN2015 – Program

Thursday, October 29, 2015

8:00-15:00 Satellite course - Physiology Amphitheatre
“Introduction to laboratory animal science”
Noțiuni de știința animalelor de laborator
(Chair, Coman CRISTIN)

09:00-09:45 Utilizarea animalelor in scopuri stiintifice: trecut, prezent si viitor (*Coman CRISTIN*)

09:45-10:30 Noua legislatie europeana si nationala privind utilizarea animalelor in scopuri stiintifice si impactul ei asupra cercetarii din Romania (*Magda GONCIAROV*)

10:30-10:45 Pauza de cafea

10:45-11:30 Biologia animalelor de laborator – Notiuni de baza (*Iuliana CODREANU*)

11:30-12:15 Cum se proiecteaza un experiment pe animale in neurostiinte (*Stefan SPULBER*)

12:15-12:45 Metode de analiza a comportamentului animal (*Liana KOBYLINSKA*)

12:45-13:15 Modele translationale in neurostiinte (*Mihai MOLDOVAN*)

13:15-14:00 Pauza de masa

14:00-14:30 Evaluare cursanti

14:30-15:00 Incheiere curs (inmanarea certificatelor, feedback etc).

15:00-16:00 Satellite event - Physiology and Fundamental Neuroscience Discipline
“Visit to the Neuroscience Laboratory”
(Chair, Ana-Maria ZAGREAN, SNN secretary)

16:00-17:00 Registration & Poster Mounting – Honorary Hall

17:00-17:30 Opening session – Council Hall
“S N N 2 0 1 5”
(Chair, Mihai MOLDOVAN, SNN president)

17:00-17:10 Presidential address (*Mihai MOLDOVAN*)

17:10-17:30 Research in Neuroscience (*Victor ILIESCU*, Ministry of Education and Scientific Research)

17:30-19:45 SESSION 1 – Council Hall
“Neuroscience and society”
(Chair, Leon ZAGREAN, SNN honorary president)

17:30-18:00 From signal and stimulus to consciousness (*Leon ZAGREAN*, RO)

18:00-18:30 The Experience of Compassion - Possible Long-term Changes in Cortex Areas. A Few Recent Findings in the Field of Neurosciences (*Adrian Sorin MIHALACHE*, RO)

18:30-18:45 Too Exhausted To Consider Giving? Refractory Periods in Ego-Depletion and Giving Behaviour (*Gabriela MARCU*, RO)

18:45-19:15 Some research hypotheses related with the Orch-OR theory, witnessing awareness and psychology of becoming conscious (*Ovidiu BRAZDAU* Bucharest, RO)

19:15-19:45 Does numerical competence involve the hippocampal activity in nonhuman primates? (*Ioan OPRIS*, USA)

20:00 Opening Cocktail at the conference venue (Honorary Hall)

Friday, October 30, 2015

08:30-09:00 Poster viewing and welcome coffee

09:00-10:45 SESSION 2 – Council Hall

“Plasticity of the aged brain”
(Chair, Aurel POPA-WAGNER, SNN vice-president)

09:00-09:30 'Blood-brain barrier: Friendly brain guardian or cumbersome obstacle for neurological therapies?' (*Dirk M. HERMANN*, DE)

09:30-10:00 Dementia; identification cause and therapy (*Mark SLEVIN*, DE)

10:00-10:30 The promise and pitfalls of cell therapy for stroke in the aged brain (*Aurel POPA-WAGNER*, DE)

10:30-10:45 Does injury to the aged brain trigger the re-expression of genes involved in brain development? (*Ana-Maria BUGA*, RO)

10:45-11:15 Coffee Break

11:15-13:00 SESSION 3 – G. E. Palade Amphitheater

“Neuroplasticity and development”
(Chair, Ana-Maria ZĂGREAN, SNN secretary)

11:15-12:15 Brain, behaviour and evolution (*George PAXINOS*, AU)

12:15-12:30 Oxytocin and neuronal vulnerability to hypoxia/ischemia in immature and mature brain (*Ana-Maria ZĂGREAN*, RO)

12:30-12:45 Fetal alcohol exposure: molecular insights into neural damage (*Diana LE DUC*, DE)

12:45-13:00 Effects of oxytocin in mild and severe perinatal asphyxia in rat (*Anca PANAITESCU*, RO)

13:00-14:00 Poster viewing / Lunch cocktail

14:00-15:00 Poster competition

15:00-16:00 Workshop – Council Hall / Neuroscience Laboratory

Technological developments in neuroscience
(Neurostar)

16:00-16:30 Coffee Break

16:30-18:45 SESSION 4 – Council Hall

“Plasticity of neuronal connectivity”
(Chair, Tibor SZILÁGYI, RO)

16:30-17:30 Function of inhibition at the cellular and systems level (*Hannah MONYER*, DE)

17:30-18:00 Modified inhibitory control in the hippocampus of epileptic rats (*Tibor SZILÁGYI*, RO)

- 18:00-18:15 Monitoring cortical responsiveness to external stimuli in suppressed consciousness (*Mihai MOLDOVAN, RO*)
- 18:15-18:30 Laughing behavior during epileptic seizures (*Ioana MINDRUTA, RO*)
- 18:30-18:45 Claustrom electrical stimulation leads to a deepening anaesthesia - a preliminary study (*Bogdan PAVEL, RO*)

18:45-19:15 General assembly of SNN members

20:00 Social Program & Dinner

Saturday, October 31, 2015

08:00-09:00 Poster viewing and welcome coffee

09:00-10:45 SESSION 5 – G. E. Palade Amphitheater

“ B e h a v i o r ”

(Chair, Adrian BALSEANU, RO)

- 09:00-09:15 Delayed-onset fluoxetine-resistant depression-like behaviour is preceded by alterations in circadian entrainment (*Stefan SPULBER, SE*)
- 09:15-09:30 Genetic influences and childhood trauma in moral decision making (*Raluca Diana SZEKELY-COPÎNDEAN, RO*)
- 09:30-09:45 Gestational chronodisruption and neurodevelopment (*Suzana VOICULESCU, RO*)
- 09:45-10:00 Quantitative immunofluorescence evaluation of ABCB1 transporter expression in the murine cell Line N2A, under the influence of CNS active drugs (*Andreea Letiția ARSENE*)
- 10:00-10:15 Comparative evaluation of the main neurotransmitters after administration of CNS active drugs in mice (*Alina Crenguta NICOLAE, RO*)
- 10:15-10:30 Artificial neural network as an analyze tool for optical coherence tomography images (*Adrian BALSEANU, RO*)
- 10:30-10:45 Investigating the response to ambiguous stimuli in clinical and preclinical settings (*Liana KOBYLINSKA, RO*)

10:45-11:00 Coffee Break

11:00-12:45 SESSION 6 - G. E. Palade Amphitheater

“ P l a s t i c i t y o f s e n s o r y s y s t e m s ”

(Chair, Alexandru Babes)

- 11:00-11:30 Photosensitization in porphyrias and photodynamic therapy involves TRPA1 and TRPV1 (*Alexandru BABES, RO*)
- 11:30-11:45 Dehydrocholesterol photosensitizes TRPA1 and TRPV1: implications for the Smith-Lemli-Opitz syndrome (*Cosmin CIOTU, RO*)
- 11:45-12:00 5-HT activates distinct classes of responses in cultured rat DRG neurons (*Tudor SELESCU, RO*)
- 12:00-12:15 Potassium currents as markers for microglia activation after the spared nerve injury (*Alexandru DEFTU, RO*)

12:15-12:30 PINK1 loss of function increases cellular sensitivity to genotoxic stress and inhibits bystander signaling in neurons and fibroblasts (*Temelie MIHAELA*, RO)

12:30-12:45 The dark side of color (*Marius LEORDEANU*, RO)

12:45-13:00 Coffee Break

**13:00-13:45 SESSION 7 – G. E. Palade Amphitheater
“Plasticity of nerve function”
(Chair, Mihai MOLDOVAN)**

13:00-13:15 Plasticity of axonal excitability (*Mihai MOLDOVAN*, DK)

13:15-13:30 Peripheral electrical stimulation to enhance the regenerative capacity of sensory axons after spinal cord injury (*Ioana GOGANAU*, DE)

13:30-13:45 Alternative methods used in repairing the segmental peripheral nerve gaps - experimental study (*Dragos CINTEZA*, RO)

13:45-14:15 Poster Award Ceremony for Junior Scientists. Closing remarks

**14:30-17:30 Satellite course - Physiology amphitheater
“Ultrasound-guided plexus and nerve block”
Noțiuni de ultrasonografie în anestezia de plexuri
nervoase
(Chair, Bogdan Pavel)**

14:30 – 15:00 Noțiuni teoretice:

- Noțiuni de ecografie
- Blocurile membrului superior
- Blocurile membrului inferior
- Blocurile paravertebrale și abdominale

15:00 – 17:30 Demonstrații practice