
I. Opening ceremony – Revival Hall, HAZU

10.30 – 11.15 Introductory remarks of CSfN president; HAZU President welcome speech; Ceremonial presentation of CSfN awards
11.15 – 11.30 Lege Artis Choir
11.30 – 12.30 Presidential lecture – Pasko Rakic: Neuronal Migration and Brain Map Formation
12.35 – 13.05 IBRO representative special lecture – Ante Padjen: Science and/in Society
13.15 – 14.00 Opening ceremony cocktail

II. Lectures and posters – School of Medicine

15.00 – 15.20 Milos Judas: “Transcriptome of the developing human cerebral cortex”
15.25 – 15.45 Marijan Klarica: “Effect of body position on cerebrospinal fluid movement and hydrostatic pressure gradient”
15.50 – 16.10 Goran Simic: “Functional neuroanatomy of dementia syndrome”
16.10 – 16.40 Coffee break & refreshments
16.40 – 17.10 Round table: Natasa Jovanov Milosevic - Report on activities of FENS Committee

17.15 – 19.00 Poster presentations and discussions I. – Croatian Institute for Brain Research

III. Social programme

20.00 – 21.30 Conference dinner (Croatian Pharmacological Society and Croatian Society for Neuroscience); additional fee
21.30 “The night when brains are glowing” party (free entrance for conference participants)


I. Lectures and posters – Institute for Brain Research

09.30 – 11.15 Poster presentations, discussions II, coffee and refreshments
11.15 – 11.35 Maja Valic: “The effects of repeated episodes of hypoxias on respiration”
11.40 – 12.00 Srecko Gajovic: “Molecular regulation of inflammation and the consequences of ischemic injury in the mouse brain”
12.05 – 12.25 Dinko Mitrecic: “Application of stem cell technology in stroke”
12.30 – 13.30 Farewell ceremony and the best posters awards; cocktail & refreshments

POSTER SESSIONS

P1 Molecular neuroscience
P2 Basic Neuroscience
P3 Neurodevelopmental basis of cognitive, mental and neurological disorders
P4 Cerebrospinal pathophysiology
P5 Neuroethics
P6 Neurodegenerative disorders
P7 Cognitive Neuroscience
P8 Clinical Neuroscience
P9 Neuropharmacology and pharmacology
P10 Special session

INFORMATION AND CONTACTS

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LIST OF POSTERS

P1 Molecular neuroscience
PP01 The association of GRIK3 polymorphism with alcoholism in the subjects of
Croatian origin
PP02 Long-term changes in expression of calcium/calcmodulin-dependent protein
kinase II in dorsal root ganglia neurons of STZ-diabetic rats
PP03 Expression of SHH-related genes after perinatal treatment with SHH agonists
PP04 The association of GABA-A receptor alpha2 subunit gene (GABRA2) with
alcohol-related suicidal behaviour
PP05 Brain metastases from lung cancer show frequent changes of E-cadherin, APC
and beta-catenin genes
PP06 Opioid system genes in alcoholism: a case - control study in Croatian population
PP07 DNA methylation of serotonin receptor 5A gene promoter in control and alcohol
addicted subjects
PP08 Analysis of formalin fixation influence on ganglioside composition of calf brain
PP09 Neuronal damage and recovery in the thalamus following traumatic brain injury
in the rat
PP10 Distribution of complex gangliosides in brains of cathfish and perch
PP11 Neuroplastin: from neurodevelopment to neurodegeneration
PP12 STAM2 protein, a member of the endosome-associated complex ESCRT-0, is
localized in neuronal nucleus
PP13 Cortical thinning controlling genes in the brain repair and regeneration after
ischemic lesion in the mouse
PP14 Oxidative stress markers in various brain regions of mice on a high cholesterol
diet
PP15 Genetic variants of the dopaminergic system and alcohol dependence and
alcohol abuse-related phenotypes

P2 Basic neuroscience
PP26 Alternations in number of calcium-binding striatal and hippocampal parvalbumin
positive neurons in cuprizone and B4Galnt1 knockout mice
PP27 Nucleolar protein 2 is expressed in neurons and astrocytes of the adult mouse
brain
PP28 Application of neural stem cells originating from THY1-YFP mouse strain in
neurodegenerative and neuroregenerative disorders
PP29 Sleep and addiction in Drosophila: Role of dopamine in the nervous system
PP30 Effect of perinatal treatment with serotonin agonists on immunological and
mental development of different stimuli
PP31 Biochemical and pharmacological characterisation of the serotonin transporter
(SERT) in primary trophoblasts of the human placenta
PP32 The role of anesthetics in the phrenic long term facilitation in rats
PP33 The role of anesthetics in the phrenic long term facilitation in rats
PP34 Transcription of differentiation markers in trophoblasts of the human placenta

P3 Neurodevelopmental basis of cognitive, mental and neurological disorders
PP35 Compensated hyperosmolarity of cerebrospinal fluid and development of
early stage hydrocephalus
PP36 Volumetric analysis of cerebrospinal fluid and brain parenchyma in patient with
hydrencephaly and macrocrania
PP37 Implications of advances in neuroscience and technology

P4 Neurodegenerative disorders
PP38 Selective activation of the prefrontal cortex: Preclinical marker for Alzheimer’s
disease?
PP39 Oesophageal mis-segregation and aneuploidy including trisomy 21 in
neurodegenerative tauopathies, frontotemporal dementia and Niemann-Pick disease
PP40 CSF tau protein phosphorylated at threonine 231 as a potential biomarker of
early stages of Alzheimer’s disease
PP41 Alzheimer Croatia – serving people with dementia since 1999
PP42 Inner nuclear membrane protein Atz is targeted for proteasomal degradation
in the nucleus by the components of the ERAD pathway
PP43 Polymorphisms of the brain-derived neurotrophic factor and cognitive
impairment in patients with Alzheimer’s disease and mild cognitive impairment

P5 Neuroethics
PP44 The relationship between sleep habits and academic performance in dental
students in Croatia
PP45 Neuromagnetic study of the auditory gating phenomenon
PP46 Attentional modulation of the M50 gating network
PP47 Developmental changes of the prefrontal cortex in preterm born infants
PP48 Unique, just like everyone else – an experimental study on consistent individual
differences in cognitive and motoric marmosets (Callithrix jacchus)

P6 Clinical neuroscience
PP49 The role of anaesthetics in the phrenic long term facilitation in rats
PP50 Association between serum 25(OH)D and the risk of cognitive decline in the very
old: The Newcastle 85+ study
PP51 Semantic Processing in People with Nominal and Motor Aphasia Associated
with Different Stimuli: Picture, Written or Spoken Word
PP52 Body height and mating strategy – Tall men pursue more short-term
relationships
PP53 Performance on verbal fluency and mental rotation task in morning and evening
types
PP54 The relationship between jealousy and extraversion in men and women
PP55 Changes in the prevalence of EEC waves during performing psychomotor tasks of
different complexity
PP56 Attention modulates the earliest visual magnetic responses
PP57 Measuring eye movements during simple equation solving
PP58 Childhood apraxia of speech – same symptoms, different etiology
PP59 What is the role of executive functions in language acquisition?
PP60 Masked priming paradigm reveals automatic processes in visual word
recognition: An ERP study

P7 Neurorehabilitation and pharmacology
PP61 Dyskinetic cerebral palsy in asphyxiated term neonates – the challenge to
identify mild lesions
PP62 Prediction of motor outcome in infants with perinatal brain damage: the role of
fidgety movements assessment
PP63 Visual problems in premature infants
PP64 Schizencephaly exposed at microsurgical operation of congenital sylvian
arachnoid cyst in a pediatric patient
PP65 Visuel - based morphometry in chronic schizophrenia
PP66 Differences in pain estimation between patients, nurses and doctors
PP67 A case of Milkierson-Rosenthal syndrome associated with oligodentia in 15
years old girl
PP68 Physiology of chronic spinal pain syndromes
PP69 Functional reorganization of the primary motor cortex in a patient with a large
arteriovenous malformation

P8 Neuropharmacology
PP70 Effect of chronic fluoxetine treatment on serotonin transporter density in the
brain of an obs animal model of depression: an autodarminographic study
PP71 Harmful potential of preventive quercetin consumption: effects on p53 neurons
in prion infected animals
PP72 Brevoroxozepine site agonistic diazepam vs. zolpidem (in vitro study)
PP73 Design, synthesis and in vitro activity of AT1 angiotensin II receptor antagonists
based on the novel 5-[2-(tetrazole-5-yl)phenyl]phosphinolines

Pro special session
PP74 Therapeutic Riding-antigravity walk