

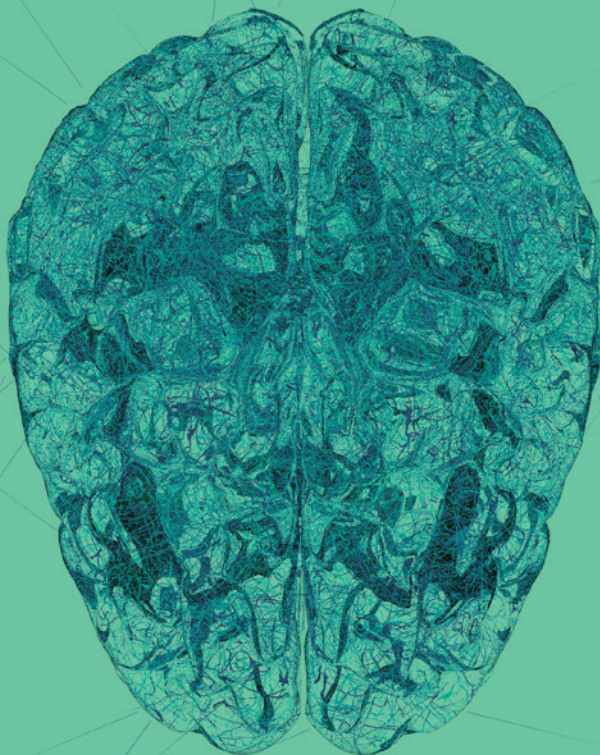


SiNAPSA

SLOVENSKO DRUŠTVO ZA NEUROZMANOST
SLOVENIAN NEUROSCIENCE ASSOCIATION

SNC'15

SINAPSA NEUROSCIENCE CONFERENCE '15



15-17 May, 2015

Cankarjev dom, Ljubljana, Slovenia



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA IZOBRAŽEVANJE,
ZNANOST IN ŠPORT



Naložba v vašo prihodnost

OPERATIVNO PLOŠČINO FINANČIRA EVROPSKA UNIJA
Evropski sklad za regionalni razvoj
Evropski socialni sklad

FRIDAY, 15 MAY 2015

8:00–19:00 **Registration** | Second Foyer

8:30–12:30 **Young Neuroscientists Forum Ljubljana '15** | Kosovel Hall

13:00–13:30 **Opening of the SNC'15** | Kosovel Hall

13:30–14:30 **AOŽ Memorial lecture** | Kosovel Hall

The tricks neurons use to express their genes: jumping genes, zero-length exons and RNA loops

Jernej Ule

14:30–16:30 **Symposium** | Kosovel Hall

Neuroeconomy

Chairs: Sergeja Slapničar, Grega Repovš

Neuroeconomics and management control

Sergeja Slapničar

Dopamine and decision making

Robb Rutledge

Decomposing cognitive control in economic decision making

Grega Repovš

EEG investigations on the management control problem

Philipp Eskenazi

16:30–17:00 **Coffee break** | Second Foyer

17:00–19:00 **Symposium** | Kosovel Hall
Neural responses and functional effects of dance on cognitive, emotional and motor performance

Chair: Maja Bresjanac

The neural basis of dance and dance partnering

Steven Brown

Cognitive interactions in perceiving, performing and learning dance

Bettina Bläsing

Neural responses underlying dance imagery induced by music

Maja Bresjanac

Enhanced functional outcomes in older adults who dance regularly

Rado Pišot

19:00–21:00 **Welcome reception** | Second Foyer

SATURDAY, 16 MAY 2015

- 8:00–19:00 **Registration** | Second Foyer
- 8:30–10:30 **Symposium** | E1,2 Hall
Cell's protein quality system and neurodegeneration
Chair: Eva Žerovnik
- Autophagy, p62/SQSTM1 and ALS-FTLD
Alice Goode
- ALS- and FTLN-associated hexanucleotide repeat expansion mutation in C9orf72
Boris Rogelj
- Modifications of FUS and implications in ALS and FTD
Simona Darovic
- Mutual chaperoning by amyloid forming proteins/peptides
Eva Žerovnik
- 10:30–11:00 **Coffee break** | Second Foyer
- 11:00–12:00 **Plenary talk** | Kosovel Hall
Psychedelic drugs in science and medicine
Robin Carhart-Harris
- 12:00–13:30 **Poster session** | Second Foyer
- Cellular neuroscience A**
- Clinical neuroscience A**
- Cognitive neuroscience A**
- Molecular neuroscience A**
- Systems neuroscience A**
- 13:30–14:30 **Plenary talk** | E1,2 Hall
Autoimmune encephalitis and epilepsy – from synapse to symptoms
Sukhvir Wright
- 14:30–16:30 **Symposium** | E1,2 Hall
Autoimmunity, encephalitis and epilepsy - another Procrustes bed?
Chair: David Neubauer
- Autoimmune encephalitis and antibodies against neuronal cell antigens
Sanja Stopinšek
- Severe form of autoimmune encephalitis in two children
Mirjana Perkovič Benedik
- Autoimmunity and epilepsy in childhood
Natalija Krajnc
- Can FIRES be a part of this story?
Neli Bizjak

16:30–17:00 **Coffee break** | Second Foyer

17:00–19:00 **Symposium** | E1,2 Hall
Nerve stimulation: From basic research to clinic

Chairs: Janez Rozman, Polona Pečlin

General overview of nerve stimulation: From past to future
Winfried Mayr

Implantable nerve interfaces developed in Slovenia and their use in research and clinical applications
Janez Rozman

Twenty-nine year stimulation of the common peroneal nerve: A case report
Polona Pečlin

Neuromodulation in the treatment of pelvic floor dysfunctions
Adolf Lukanović

Our experience with vagal stimulation for heart rate control
Matej Podbregar

Compound action potentials in an isolated rat sciatic nerve elicited with specific current stimulating pulses when exposed to anesthetic bupivacaine
Monika C. Žužek

19:00–20:45 **Neuroscience & society dialogue - Scientific exploration of brain on drugs: Prizes and pitfalls** | Kosovel Hall

21:00–0:00 **Social evening** | Slamič Café

SUNDAY, 17 MAY 2015

9:00–16:30 **Registration** | Second Foyer

9:30–11:30 **Symposium** | Kosovel Hall
Biomarkers of epileptogenesis, pharmacogenomics and functional brain connectivity in epilepsy

Chair: Bogdan Lorber

Imaging epileptogenesis
Matthias Koepf

Graph-theoretical analysis of language networks in temporal lobe epilepsy
David Gosar

Pharmacogenomics of drug resistance in epilepsy
Andreja Avberšek

11:30–12:00 **Coffee break** | Second Foyer

12:00–13:30 **Poster session** | Second Foyer

Molecular neuroscience B

Cellular neuroscience B

Clinical neuroscience B

Cognitive neuroscience B

Systems neuroscience B

13:30–15:30 **Symposium** | Kosovel Hall

Multimodal imaging in diagnostics of preclinical stages of neurodegenerative disorders

Chairs: Žvezdan Pirtošek, Milica Gregorič Kramberger

The overall design of the study, clinical and CSF data
Milica Gregorič Kramberger

Neuropsychological markers of mild cognitive impairment
Simon Brezovar

Can electrophysiological responses to AX-CPT task differentiate between early stages of neurodegenerative disorders?
Jure Bon

Altered white matter microstructure in mild cognitive impairment and Parkinson's disease
Indre Pileckyte

Resting state functional connectivity in patients with mild cognitive impairment and Parkinson's disease
Anka Slana

Metabolic biomarkers in patients with mild cognitive impairment and Parkinson's disease
Petra Tomšič

15:30–16:30 **Plenary talk** | Kosovel Hall

Human Brain Project: implications for neurology
Richard Frackowiak

16:30–16:45 **Closing of the SNC'15** | Kosovel Hall

YOUNG NEUROSCIENTISTS FORUM LJUBLJANA '15

FRIDAY, 15 MAY 2015 | KOSOVEL HALL, CANKARJEV DOM

- 8:30–8:40 **Opening of the YNFL'15**
- 8:40–9:40 **Oral presentations 1**
- 8:40 The impact of upper motor neuron degeneration on respiration in wakefulness and sleep in amyotrophic lateral sclerosis
Judita Jeran
- 9:00 Characterisation of co-culture of spinal cord explants and muscle cells after electroporation with FUS, a protein involved in ALS/FTLD
Sonja Pržar Mihevc
- 9:20 Chronic social isolation reduces parvalbumin-positive interneurons in the medial prefrontal cortex of adult rats: protection by fluoxetine and clozapine
Nevena Todorović
- 9:40–10:00 **Coffee break**
- 10:00–11:00 **Oral presentations 2**
- 10:00 The role of medial prefrontal cortex in uncertainty-based decision making in rats
Nace Mikuš
- 10:20 The vulnerability of the structural connectome to stroke in older adults
Rok Berlot
- 10:40 A simple and cost-effective q EEG evaluation shows marked differences between early Alzheimer's disease patients and controls
Bruna Pikiš
- 11:00–11:20 **Coffee break**
- 11:20–12:20 **Coffee with neuroscientist Professor Jernej Ule**
- 12:20–12:30 **Closing of the YNFL'15**

EDUCATIONAL WORKSHOP ON ADDICTION

SATURDAY, 16 MAY 2015 | KOSOVEL HALL

8:30–10:30 Session I: Neurobiology

8:30 Learning mechanisms of drug dependence
Jenn Murray

9:30 Pleasant and unpleasant effects of alcohol
Dorit Ron

14:30–16:30 Session II: Alcohol addiction: Stigma, ethical challenges and treatment

14:30 How can science help explain ethical issues related to alcohol dependence syndrome?
Zdenka Cebašek Travník

15:00 Alcohol addiction treatment
Darja Boben Bardutzky

15:30 (Neuro)science and alcohol dependence syndrome related stigma
Mirjana Radovanović

16:00 Summary discussion

17:00–19:00 Session III: Addiction, ADHD and psychoactive substance abuse

17:00 Addiction, comorbidity and new psychoactive substances
Nuša Šegrec

17:30 Epidemiology and clinical presentation of ADHD
Mirjana Delić

17:50 Differential diagnosis and comorbidity in ADHD
Andrej Kastelic

18:10 Treatment of adults with ADHD
Mirjana Delić

18:30 ADHD, psychoactive substance abuse, addiction disorders and treatment
Andrej Kastelic

18:50 Summary discussion

EDUCATIONAL COURSE ON LATE-ONSET POMPE DISEASE

FRIDAY, 15 MAY 2015 | E3 HALL, CANKARJEV DOM

- 13:00–14:00 **Catering lunch, venue**
- 14:00–14:15 **Welcome speech, programme announcement**
Organiser; Mr. Boris Suštaršič (President of the Muscular Dystrophy Association of Slovenia)
- 14:15–16:05 **Clinical reviews**
- 14:15 Late Onset Pompe disease - overview
Žoran Mitrović (CRO)
- 14:35 Diagnostic challenges in LOPD
Agnes Herczegfalvi (HU)
- 14:55 Case report – two sisters
Katalin Vardi (HU)
- 15:10 Pitfalls in adult Pompe disease diagnosis
Georgios Konstantinos Papadimas (GR)
- 15:30 LGMD and pseudo GAA deficiency: a case from Croatia
Rujana Šprljan Alfrev (CRO)
- 15:45 Patient perspective
Marko Studen (SLO)
- 16:05–16:25 **Coffee break**
- 16:25–18:00 **Diagnostic reviews**
- 16:25 EMG in LOPD: Where to start, what to expect?
Ervina Bilić (CRO)
- 16:40 Case study: juvenile/adult patient
Danijela Petković Ramadža (CRO)
- 16:55 Detecting GAA deficiency by DBS – how sensitive and how specific?
Ksenija Fumić (CRO)
- 17:10 The impact of molecular diagnosis
Karin Wrižl (SLO)
- 17:25 Muscle biopsy in Pompe disease
Marija Meznarič (SLO)
- 17:40 General discussion
- 17:55 Wrap up and closing, 1st day
- 20:00–23:00 **Dinner** | Gostilna na gradu (meeting point 19:30 Hotel Slon for walking, 19:40 Erjavčeva Street for bus transfer)

SATURDAY, 16 MAY 2015 | E3 HALL, CANKARJEV DOM

9:15–10:50 **Patient assessment**

- 9:15 Patient association screening project
Lea Leonardis (SLO)
- 9:35 Automated LGMD Diagnostic Assistant
Svetlana Tomić (CRO)
- 9:55 Bulgarian experience with high risk testing project
Teodora Chamova (BG)
- 10:15 Parents refusing of child's diagnose - what's the next step? A case from Serbia
Slavica Ostojić (SER)
- 10:30 Patient follow up
Anca Hancu (RO)

10:50–11:10 **Coffee break**

11:10–13:00 **Disease control**

- 11:10 Toward the therapy of LOPD
Danijela Petković Ramadža (CRO)
- 11:30 Case study: patient refuses the therapy
Lea Leonardis (SLO)
- 11:45 Internist check up
Ivan Pećin (CRO)
- 12:00 Therapy, weight control, diet and exercise – physician's perspective
Zsuzsanna Almassy (HU)
- 12:20 Therapy, weight control, diet and exercise – patient's perspective
Pompe patient (HU)
- 12:40 General discussion
- 12:55 Wrap up and closing
- 13:00 **Lunch / departure**

KLINIČNI SIMPOZIJ

Zgodnja diagnostika in obravnava psihotičnih motenj

PETEK, 15. MAJ 2015 | DVORANA EI,2, CANKARJEV DOM

15:00–16:30 **Klinični simpozij**
Zgodnja diagnostika in obravnava psihotičnih motenj
Moderatorja: Borut Škodlar, Jurij Bon

Uvod
Jurij Bon

Razvoj diagnostičnih kriterijev za prodromalna stanja in prve psihotične epizode
Vesna Gaberšek

Pomen bazičnih simptomov in motenj zavedanja sebe za zgodnjo diagnostiko
Matej Potočan

Psihotična stanja v otroštvu in mladostništvu - klinična slika, diagnostika in obravnava
Barbara Šegula

16:30–17:30 **Satelitski simpozij (Eli Lilly)**
Moderator: Andrej Kastelic

Uvod
Andrej Kastelic

Patofiziološko ozadje ADHD in možnost zdravljenja v odrasli dobi
Jurij Bon

Zdravljenje ADHD v odrasli dobi - praktični primer bolnika
Hojka Gregorič Kumperščak

Razprava in zaključki
Andrej Kastelic

17:30–18:00 **Odmor s kavo**

18:00–19:00 **Klinični simpozij - nadaljevanje**
Zgodnja diagnostika in obravnava psihotičnih motenj
Moderatorja: Borut Škodlar, Jurij Bon

Pregled raziskav o medikamentoznem in psihoterapevtskem zdravljenju v prodromalnem obdobju
Marko Saje

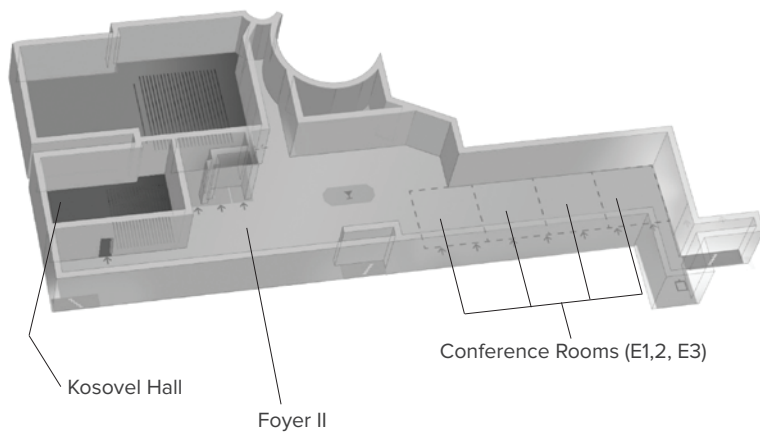
Primerjava teoretičnih vidikov psihoterapevtskih pristopov v prodromalnih stanjih in pri prvi psihotični epizodi
Borut Škodlar

Kognitivne motnje in disfunkcije nevronske omrežij v različnih fazah bolezni
Grega Repovš

FLOOR PLAN OF THE LECTURE ROOMS

The conference will take place in **Foyer II** of **Cankarjev dom**, Prešernova cesta 10, Ljubljana.

-2 / Foyer II



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