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
Philip 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00–19:00</td>
<td><strong>Registration</strong></td>
<td>Second Foyer</td>
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</table>
| 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 FTLD-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* | E1,2 Hall      |
| 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* | Kosovel Hall  |
| 12:00–13:30   | **Poster session** | Second Foyer  
**Cellular neuroscience A**  
**Clinical neuroscience A**  
**Cognitive neuroscience A**  
**Molecular neuroscience A**  
**Systems neuroscience A** | Second Foyer  |
| 13:30–14:30   | **Plenary talk** | E1,2 Hall  
Autoimmune encephalitis and epilepsy – from synapse to symptoms  
*Sukhvir Wright* | E1,2 Hall  |
| 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 Perković Benedik*  
Autoimmunity and epilepsy in childhood  
*Natalija Krajnc*  
Can FIRES be a part of this story?  
*Neli Bizjak* | E1,2 Hall  |
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 Lukanovič*

- 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

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**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 Koepp*

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

- Pharmacogenomics of drug resistance in epilepsy  
  *Andreja Auberšek*

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: Zvezdan 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*

- Event-related potentials during AX-CPT task
  *Jure Bon*

- Altered white matter microstructure in mild cognitive impairment and Parkinson’s disease
  *Indre Pileckyte*

- Resting functional connectivity MRI data
  *Anka Slana*

- FDG-PET data
  *Petra Tomše*

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
Jadistina 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 Prijpar 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 Pikš

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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:30–10:30</td>
<td><strong>Session I: Neurobiology</strong></td>
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<tr>
<td>8:30</td>
<td>Learning mechanisms of drug dependence</td>
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<td></td>
<td><em>Jenn Murray</em></td>
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<td>9:30</td>
<td>Pleasant and unpleasant effects of alcohol</td>
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<td><em>Dorit Ron</em></td>
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<td>14:30–16:30</td>
<td><strong>Session II: Alcohol addiction: Stigma, ethical challenges and treatment</strong></td>
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<tr>
<td>14:30</td>
<td>How can science help explain ethical issues related to alcohol dependence syndrome?</td>
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<tr>
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<td><em>Zdenka Čebašek Travnik</em></td>
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<td>15:00</td>
<td>Alcohol addiction treatment</td>
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<td><em>Darja Boben Bardutzky</em></td>
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<tr>
<td>15:30</td>
<td>(Neuro)science and alcohol dependence syndrome related stigma</td>
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<td><em>Mirjana Radovanović</em></td>
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<td>16:00</td>
<td>Summary discussion</td>
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<td>17:00–19:00</td>
<td><strong>Session III: Addiction, ADHD and psychoactive substance abuse</strong></td>
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<tr>
<td>17:00</td>
<td>Addiction, comorbidity and new psychoactive substances</td>
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<td><em>Nuša Šegrec</em></td>
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<td>17:30</td>
<td>Epidemiology and clinical presentation of ADHD</td>
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<td><em>Mirjana Delić</em></td>
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<td>17:50</td>
<td>Differential diagnosis and comorbidity in ADHD</td>
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<td><em>Andrej Kastelic</em></td>
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<td>18:10</td>
<td>Treatment of adults with ADHD</td>
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<td><em>Mirjana Delić</em></td>
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<td>18:30</td>
<td>ADHD, psychoactive substance abuse, addiction disorders and treatment</td>
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<tr>
<td></td>
<td><em>Andrej Kastelic</em></td>
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<tr>
<td>18:50</td>
<td>Summary discussion</td>
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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
Zoran Mitrović (CRO)

14:35  Diagnostic challenges in LOPD
Agnes Herczegfalvi (HÚ)

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 Alfere (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
Karín Writzl (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 Pečin (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 E1,2, 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 Segula

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

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

Kognitivne motnje in disfunkcije nevronskih omrežij v različnih fazah bolezni
Grega Repovš
The conference will take place in Foyer II of Cankarjev dom, Prešernova cesta 10, Ljubljana.

-2 / Foyer II