



# Preliminary Program

**Congress**

**Serbian Neuroscience Society**

**31 May - 02 June**

**Belgrade Youth Center**

**Belgrade**

*31 May*

**Opening Lecture:**

**Professor Carmen Sandi**

Laboratory of Behavioral Genetics, Brain Mind Institute, Swiss Federal Institute of  
Technology in Lausanne, Lausanne, Switzerland

**Neural circuits and metabolic pathways on the links between stress, anxiety  
& motivation**

*01 June*

## **Keynote Lecture:**

**Professor Frank Jessen**

Department of Psychiatry, University of Cologne, Medical Faculty, Cologne, Germany

**First symptomatic manifestation of Alzheimer's disease**

## **Morning Session:**

### **Brain Stimulation, Phase Separation and Open Data**

**Andrej Savić, PhD**

Science and Research Centre, School of Electrical Engineering, University of Belgrade, Belgrade, Serbia

**Brain-computer interface for electrotactile sensory training after stroke**

**Jovana Bjekić, PhD**

Group for Neuroscience, Institute for Medical Research, National Institute of Republic of Serbia, University of Belgrade, Belgrade, Serbia

**Using noninvasive brain stimulation to modulate memory in humans: from mechanisms to clinical applications**

**Milorad Dragić, PhD**

Laboratory for Neurobiology, Department of General Physiology and Biophysics, Faculty of Biology, University of Belgrade, Belgrade, Serbia

**Transcranial magnetic stimulation as a therapeutic approach for neurodegenerative disorders - insights from animal models**

**Dragomir Milovanović, PhD**

Laboratory for Molecular Neuroscience, German Center for Neurodegenerative Diseases, Charité University Clinic in Berlin, Berlin, Germany

**Phase separation in neuronal physiology and pathology**

**Ivan Zaletel, MD, PhD**

Institute of Histology and Embryology "Aleksandar Đ. Kostić", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

**Open-access data and resources in neuroscience research**

## **Afternoon Session: Brain Metabolism & Dietary Interventions**

### **Nina Vardjan, PhD**

Laboratory of Neuroendocrinology, Molecular Cell Physiology, Institute of Pathophysiology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia

**Adrenergic regulation of astrocyte glucose and lipid droplet metabolism**

### **Predrag Vujović, PhD**

Department for Comparative Physiology and Ecophysiology, Institute for Physiology and Biochemistry "Ivan Djaja", Faculty of Biology, University of Belgrade, Belgrade, Serbia

**Expression Regulation and Roles of Insulin Produced in the Brain**

### **Ana Podolski-Renić, PhD**

Department of Neurobiology, Institute for Biological Research "Siniša Stanković", National Institute of Republic of Serbia, University of Belgrade, Belgrade, Serbia

**The role of the Thioredoxin detoxification system in glioma progression and drug resistance**

### **Nataša Lončarević, PhD**

Molecular Nutrition and Health Lab, Centro de Estudos de Doenças Crónicas, NOVA Medical School, Universidade Nova de Lisboa, Lisbon, Portugal

**Can consumption of (poly) phenol-rich food ameliorate molecular and behavioral PD-like pathology in MPTP-treated mice?**

### **Smilja Todorović, PhD**

Department of Neurobiology, Institute for Biological Research "Siniša Stanković", National Institute of Republic of Serbia, University of Belgrade, Belgrade, Serbia

**Dietary restriction as an anti-aging intervention**

## **Keynote Lecture:**

### **Cláudia Nunes Dos Santos, PhD**

Molecular Nutrition and Health Lab, Centro de Estudos de Doenças Crónicas, NOVA Medical School, Universidade Nova de Lisboa, Lisbon, Portugal

**Brain permeability and neuroprotection by the gut (poly)phenol metabolites**

*02 June*

## **Keynote Lecture:**

**Marina Jendrach, PhD**

Department of Neuropathology, Charité, Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität Zu Berlin, Berlin Institute of Health, Berlin, Germany

**Modulation of neuroinflammation by autophagy**

## **Morning Session:**

### **Brain Disorders – From Genetics to Markers**

**Marija Švirtlih, MD, PhD**

Laboratory for Human Molecular Genetics, Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia

**SOX Transcription Factors – choosing between stemness and neuronal differentiation**

**Milena Janković, MD, PhD**

Laboratory for Molecular Genetic Diagnostic of Neurological Diseases, Neurology Clinic, University Clinic Center of Serbia, University of Belgrade, Belgrade, Serbia

**Genetics of neurodegeneration: from global resemblance to regional differences**

**Milena Milošević, PhD**

Center for Laser Microscopy, Institute for Physiology and Biochemistry "Jean Giaja", Faculty of Biology, University of Belgrade, Belgrade, Serbia

**ALS IgG - translation to a physiological diagnostic marker**

**Verica Paunović, PhD**

Institute of Microbiology and Immunology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

**Downregulation of LKB1/AMPK Signaling in blood mononuclear cells is associated with the severity of Guillain-Barre syndrome**

**Marin Jukić, PhD**

Department of Physiology, Faculty of Pharmacy, University of Belgrade, Belgrade, Serbia

**The humanized CYP2C19 transgenic mouse exhibits cerebellar atrophy and movement impairment reminiscent of ataxia**

# Afternoon Session: Neuroimmunoendocrine Interactions

## **Joko Poleksić, MD, PhD**

Institute of Anatomy "Niko Miljanic", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

**GABAergic cells and synaptic plasticity, are they affected by early life stress in an area specific manner?**

## **Ivana Jarić, PhD**

Animal Welfare Division, Vetsuisse Faculty, University of Bern, Bern, Switzerland

**Sex bias in neuroscience research: challenges and implications of including both sexes in preclinical experiments**

## **Milica Lazarević, PhD**

Department of Immunology, Institute for Biological Research "Siniša Stanković", National Institute of Republic of Serbia, University of Belgrade, Belgrade, Serbia

**Distinct clinical outcomes of Complete Freund's adjuvant-free experimental autoimmune encephalomyelitis induced in DA rats**

## **Dragan Hrnčić, MD, PhD**

Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade, Serbia

**Anxiety-related behavior and inflammation: experimental and translational aspects**

## **Iva Lukić, PhD**

Laboratory of Molecular Biology and Endocrinology, Vinca Institute of Nuclear Sciences, National Institute of Republic of Serbia, University of Belgrade, Belgrade, Serbia

**The role of gut microbiota in depressive behavior and the effects of antidepressants**

## **Keynote Lecture:**

### **Professor Jelena Radulović**

Department of Psychiatry and Behavioral Sciences, Albert Einstein College of Medicine, Bronx, USA; Department of Biomedicine, Aarhus University, Aarhus, Denmark

**Representation of stressful experiences in memory circuits**

# *Scientific Committee*

## **Chair:**

**Selma Kanazir**

## **Members:**

**Aleksandra Isaković**

**Carmen Sandi**

**Cláudia Nunes Dos Santos**

**Danijela Savić**

**Dragomir Milovanović**

**Elka Stefanova**

**Frank Jessen**

**Ivanka Marković**

**Jelena Radulović**

**Milena Stevanović**

**Miroslav Adžić**

**Nadežda Nedeljković**

**Nataša Lončarević**

**Nina Vardjan**

**Panayiota Poirazi**

# *Organizing Committee*

## **Chair**

**Ivana Bjelobaba**

## **Members**

**Danijela Savić**

**Milena Jović**

**Jelena Ćirić**

**Smilja Todorović**

# *Registration and Abstracts*

## Call for Abstracts

8<sup>th</sup> Congress of the the Serbian Neuroscience Society (31 May - 02 June, 2023) will take place at the [Belgrade Youth Center](#).

We are pleased to invite you to submit an abstract and present your work at the 8th Congress of the Serbian Neuroscience Society.

Accepted abstracts will be presented at the Congress and collated in the Book of Abstracts, and available as an online document with international standard book number.

Abstracts should be written in English and sent to [dns@ibiss.bg.ac.rs](mailto:dns@ibiss.bg.ac.rs). The deadline for abstract submission is April 15, 2023.

### **Instructions:**

File type: .doc .docx;

Font: Times New Roman, 12;

Title: Up to 200 characters with spaces, bold;

Body text: up to 250 words, excluding titles, author list and affiliations

You can download a sample file at <https://srneurosoc.ac.rs/>

The first author listed should also be presenting. Notification of abstract acceptance will be sent to authors by May 1, 2023.

### **Early bird registration fees (deadline April 15, 2023):**

- Undergraduate students- free
- PhD students, members- 2000 RSD
- PhD students, non-members- 3000 RSD
- PhD/MD, members- 4000 RSD
- PhD/MD, non-members- 6000 RSD

\*Undergraduate students are exempt from registration fees but have to register


\*\*Payment instructions will be provided by e-mail, upon abstract acceptance

To register click [here](#)



# *Organizers*

ДНС  
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Друштво за неуронауке Србије  
Serbian Neuroscience Society



# *Co-organizers*



Institut za nuklearne  
nauke Vinča

