

Thursday, May 19, 2022

18:00 CONFERENCE OPENING CEREMONY

18:15-19:30 **PLENARY LECTURES**

2022: PROGRESS IN ALS THERAPEUTICS

M. Cudkowicz, Head of Neurology Clinic, Harvard Medical School, USA

BIOMARKERS AND PROGRESSION MARKERS IN REM-SLEEP BEHAVIOUR DISORDER (RBD) FOR DISEASE MODIFYING THERAPEUTIC TRIALS IN PRODRONTAL PARKINSON DISEASE

W. Oertel, Department of Neurology, Philipps University Marburg, Germany, President of the European Brain Council

19:30 Gathering on the terrace

Friday, May 20, 2022

NEUROINFLAMMATORY DISEASES

08:30-09:00 **CHRONIC INFLAMMATORY DEMYELINATIVE POLYNEUROPATHY**

E. Bilić, University Hospital Centre Zagreb, Zagreb, Croatia

09:00-09:30 **Kir4.1 CHANNEL - A UNIVERSAL TARGET IN ALS GLIA**

P. Andjus, Faculty of Biology University of Belgrade, Belgrade, Serbia

09:30-10:00 **ON BRAINS AND VESSELS. HOW PERIVASCULAR FIBROBLASTS CONTRIBUTE TO ALS NEURODEGENERATION**

S. Lewandowski, Karolinska Institute, Stockholm, Sweden

10:00-10:30 **OCREVUS EXPERIENCE- FROM CLINICAL TRIALS TO LONG-TERM PRACTICE IN THE TREATMENT OF MS PATIENTS**

M. Habek, University Hospital Centre Zagreb, Zagreb, Croatia

Sponsored by Roche

1030-1100 Break



11:00-11:45

INNOVATING FOR MULTIPLE SCLEROSIS TOGETHER

M. Habek, University Hospital Centre Zagreb, Zagreb, Croatia

T. Gabelić, University Hospital Centre Zagreb, Zagreb, Croatia

Sponsored by Novartis

11:45-12:15

EARLY HIGH EFFICACY THERAPIES FOR MULTIPLE SCLEROSIS

R. Milo, Department of Neurology, Barzilai Medical Centre,
Ashkelon, Israel

12:15-12:45

**CLADRIBINE TABLETS: TREATMENT OF MULTIPLE SCLEROSIS
WITH HIGH EFFICACY THERAPIES**

M. Habek, University Hospital Centre Zagreb, Zagreb, Croatia

T. Gabelić, University Hospital Centre Zagreb, Zagreb, Croatia

Sponsored by Merck

12:45-13:15

EASY TO START, EASY TO SWITCH, EASY TO STAY ON

M. Habek, University Hospital Centre Zagreb, Zagreb, Croatia

T. Gabelić, University Hospital Centre Zagreb, Zagreb, Croatia

Sponsored by Swixx

13:15-15:00

Lunch

NEURODEGENERATIVE AND EXTRAPYRAMIDAL DISEASES

15:00-15:30

**NUSINERSEN IN ADULT SMA PATIENTS –
OUR RESULTS IN CRO / SLO**

E. Bilić, University Hospital Centre Zagreb, Zagreb, Croatia

B. Koritnik, University Medical Centre, Ljubljana, Slovenia

Sponsored by Biogen

15:30-16:00

**SPINAL MUSCULAR ATROPHY TREATMENTS RACE (SMART):
GENE REPLACEMENT OR SPLICING MODIFIERS?**

N. Barišić, University Hospital Centre Zagreb, Zagreb, Croatia

Sponsored by Novartis

16:00-16:30

SMA – STORY BEYOND THE MOTOR NEURON

E. Bilić, University Hospital Centre Zagreb, Zagreb, Croatia

B. Sitaš, University Hospital Centre Zagreb, Zagreb, Croatia

Sponsored by Roche

16:30-17:00

Break with posters

17:00-17:30

MODELLING NEURODEGENERATIVE DISEASES USING HUMAN CEREBRAL ORGANIDS

D. Nižetić, Blizard Institute, Queen Mary University of London, London, UK

17:30-17:45

MOLECULAR AND IMMUNOLOGICAL MECHANISMS OF PARKINSON'S DISEASE

F. Borovečki, University Hospital Centre Zagreb, Zagreb, Croatia

17:45-18:00

PARKINSON'S DISEASE versus PARKINSONISM

S. Telarović, University Hospital Centre Zagreb, Zagreb, Croatia

18:00-18:15

PARKINSONISM AND COVID-19

Z. Trkanjec, Sestre milosrdnice University Hospital Center, Zagreb, Croatia

18:15-18:45

ADVANCED PARKINSON'S DISEASE: HOW TO IDENTIFY APD PATIENTS IN A TIMELY MANNER?

S. Telarović, University Hospital Centre Zagreb, Zagreb, Croatia

TREATMENT OF ADVANCED PARKINSON'S DISEASE: LONG-TERM CLINICAL EXPERIENCE WITH DUODOPA

F. Borovečki, University Hospital Centre Zagreb, Zagreb, Croatia

Sponsored by Abbvie

20:00

Conference Dinner



Saturday, May 21, 2022

NEURORESTORATION

08:30-09:00 CELLULAR AND MOLECULAR SPINAL CORD SURGERY

N. Boulis, Emory University Department of Neurosurgery, USA

09:00-09:30 THE CYSTINE/GLUTAMATE xCT ANTIporter: YET ANOTHER GLIAL GLUTAMATE TRANSPORTER MODULATING RECOVERY FOLLOWING SPINAL CORD INJURY?

C. Nicaise, University of Namur, Namur, Belgium

09:30-10:00 CRITICAL FACTORS RESPONSIBLE FOR THERAPEUTIC EFFECT OF CELL THERAPY

A. Sarnowska, Mossakowski Medical Research Centre, Warsaw, Poland

10:00-10:45 Break

10:45-11:00 NEW METHOD IN INTRAOPERATIVE FUNCTIONAL SPINAL AND CORTICAL MONITORING: SENSORY VIBRATION RESPONSE

M. Zmajević Schonwald, Sestre milosrdnice University Hospital Center, Zagreb, Croatia

11:00-11:15 GHRELIN-MEDIATED REGENERATION AND PLASTICITY AFTER NERVOUS SYSTEM INJURY

D. Lutz, Ruhr University Bochum, Bochum, Germany

11:15-11:30 SPINAL CORD INJURY: DOES IT AFFECT THE TESTIS?

D. Ježek, University Hospital Centre Zagreb, Zagreb, Croatia

11:30-11:45 ELECTROMAGNETIC FIELDS AND THE NERVOUS SYSTEM: COMPUTATIONAL MODELING AND THERAPEUTIC APPLICATION

J. Isaković, Omnion Research International Ltd, Zagreb, Croatia

11:45-12:00 SPORT AND BRAIN PLASTICITY

S. Morović, Aviva Medical Center, Zagreb, Croatia

- 12:00-12:15** **TRANSPLANTED NEURAL STEM CELLS SUPPRESS PYROPTOSIS AND NECROPTOSIS AND IMPROVE RECOVERY OF MICE AFFECTED BY STROKE**
D. Mitrečić, University of Zagreb School of Medicine, Zagreb, Croatia

12:15-13:30 Lunch

EPILEPSY

- 13:30-13:45** **PROGRESSIVE MYOCLONUS EPILEPSIES – CLINICAL CHALLENGES**
Ž. Petelin Gadže, University Hospital Centre Zagreb, Zagreb, Croatia
- 13:45-14:00** **SEIZURE SEMIOLOGY AND EPILEPTOGENIC NETWORKS**
V. Šulentić, University Hospital Centre Zagreb, Zagreb, Croatia
- 14:00-14:15** **THE ROLE OF PHARMACOGENETICS IN INDIVIDUAL APPROACH TO AED TITRATION IN PREGNANT WOMEN WITH EPILEPSY**
I. Zavoreo, Sestre milosrdnice University Hospital Center, Zagreb, Croatia
- 14:15-14:30** **LONG-TERM EPILEPSY ASSOCIATED TUMORS**
A. Bujan Kovač, University Hospital Centre Zagreb, Zagreb, Croatia
- 14:30-15:00** **THE ROLE OF LEVETIRACETAM AND LACOSAMIDE IN THE TREATMENT OF EPILEPSY**
Ž. Petelin Gadže, University Hospital Centre Zagreb, Zagreb, Croatia
Sponsored by Pliva

15:00-15:30 Break with posters



CEREBROVASCULAR DISEASES

- 15:30-16:00** **ROTEAS (EDOXABAN) NOAC DEVELOPED FOR ELDERLY IN MIND**
M. Roje Bedeković, Sestre milosrdnice University Hospital Center,
Zagreb, Croatia
Sponsored by Berlin Chemie
- 16:00-16:15** **EVALUATING BRAIN DAMAGE AND REPAIR AFTER ISCHEMIC
LESION BY MULTIMODAL IN VIVO IMAGING**
S. Gajović, University of Zagreb School of Medicine, Zagreb, Croatia
- 16:15-16:30** **NEURODEGENERATION AFTER STROKE - CAN WE DO
SOMETHING?**
I. Perić, University Hospital Centre Zagreb, Zagreb, Croatia
- 16:30-16:45** **CEREBROVASCULAR DISEASES AND AGE-RELATED IMMUNE
ALTERATIONS**
M. Roje Bedeković, Sestre milosrdnice University Hospital Center,
Zagreb, Croatia
- 16:45-17:00** **SEX AND GENDER IN NEUROLOGICAL DISEASE**
A. Lovrenčić-Huzjan, Sestre milosrdnice University Hospital Center,
Zagreb, Croatia
- 17:00-17:15** **BRAIN AND RETINAL ISCHEMIA IN DIABETES MELLITUS**
M. Radmilović, University of Zagreb School of Medicine, Zagreb, Croatia
- 17:15-17:30** **SPLENECTOMY - MONOCYTE DEPLETION MODEL IN
EXPERIMENTAL RODENT STROKE**
A. Glasnović, University of Zagreb School of Medicine, Zagreb, Croatia
- 19:30** CLOSING CEREMONY

Sunday, May 22, 2022

NEUROSCIENCE, NEUROLOGY AND PSYCHIATRY

09:00-09:15 **WHAT DOES DREAMING IN IDIOPATHIC RAPID EYE MOVEMENT BEHAVIOUR DISORDER TELL US ABOUT ITS PATHOLOGY?**

I. Rosenzweig, King's College London, London, UK

09:15-09:30 **BRAIN, SLEEP, INFLAMMATION - NEUROPSYCHIATRIC PERSPECTIVE**

D. Vidović, University Psychiatric Hospital Vrapče, Zagreb, Croatia

09:30-09:45 **COGNITIVE IMPAIRMENT IN OBSTRUCTIVE SLEEP APNEA**

B. Barun, University Hospital Centre Zagreb, Zagreb, Croatia

09:45-10:00 **INSOMNIA TREATMENT: COGNITIVE BEHAVIOURAL THERAPY OR SLEEP MEDICATIONS**

M. Mioč, University Psychiatric Hospital Vrapče, Zagreb, Croatia

10:00-11:00 **Selected PhD students' oral presentations**

(A. Bekavac, V. Hribljan, P. Josić, H. Justić, W. Lech, A. Planinić, K. Radoszkiewicz, P. Rybkowska)