



THE SOCIETY FOR THE STUDY OF
NEUROPROTECTION AND
NEUROPLASTICITY



romanian society of neurology



Global College of
Neuroprotection and Neuroregeneration



UNIVERSITY OF
MEDICINE AND PHARMACY
"IULIU HATIEGANU"
CLUJ-NAPOCA
ROMANIA



Scientific Program

3 - 6/March/2008/BUCHAREST

First Joint Congress of GCNN and SSNN

5th Congress of the Global College of Neuroprotection & Neuroregeneration

4th Congress of the Society for the Study of Neuroprotection and Neuroplasticity



4th 5th First Joint Congress of GCNN and SSNN
Congress of the Global College of Neuroprotection & Neuroregeneration
Congress of the Society for the Study of Neuroprotection and Neuroplasticity



Congress Chairman
Dafin Fior Mureșanu

University of
Medicine and Pharmacy
"Iuliu Hațieganu",
Cluj-Napoca, Romania

Secretary General of the
Romanian Society for the Study
of Neuroprotection and
Neuroplasticity



*Chairman of
Basic Research Committee*
Hari Shanker Sharma

Laboratory of
Cerebrovascular Research,
Department of Surgical Sciences,
Anesthesiology & Intensive Care
Medicine, University Hospital,
Uppsala University, Sweden



*Chairman of
Clinical Committee*
Ovidiu Băjenaru

University of
Medicine and Pharmacy
"Carol Davila", Bucharest, Romania

President of the
Romanian Neurological Society



UMF
"Carol Davila"



Congress Venue

JW Marriott Bucharest Grand Hotel
Calea 13 Septembrie 90
Bucharest, 050726 Romania
Phone: 40 21 4030000
Fax: 40 21 4030001

Organizers

The Global College of Neuroprotection
& Neuroregeneration (GCNN)
www.genpnr.org

Romanian Society for the Study of
Neuroprotection and Neuroplasticity
www.ssn.ro

Romanian Neurological Society
www.neurology.ro

Cortex Congress Ltd
www.cortexcongress.com

Scientific Secretariat

Romanian Society for the Study of
Neuroprotection and Neuroplasticity
Cluj-Napoca, Romania
33A Teleorman Street
Office phone: +40264431924
E-mail:office@ssn.ro

SCIENTIFIC PROGRAM

MONDAY/3 March

13:00 - 13:15

Congress Opening

Plenary Session I

Title: Neuroprotection: Treatment Strategies
Chairpersons: Rudy J. Castellani (USA), Dafin Muresanu (Romania)

13:15 - 13:35

Dan Dumitrascu/Romania
Is Useful in the Therapy of Autonomic Neuropathy?

13:35 - 13:55

Silviu Albu/Romania
Head Trauma: Hearing Loss and Dizziness

13:55 - 14:15

Ioan Buraga/Romania
Neurotoxicity - a Real Epiphenomena of Various Classes of Drugs

14:15 - 14:35

Angelo Bulboaca/Romania
Antiepileptogenesis vs. Neuroprotection

14:35 - 14:55

Gabriela Roman/Romania
Cardiometabolic Syndrome and the Brain – A Bidimensional Relationship

14:55 - 15:25

COFFEE BREAK

Plenary Session II

Title: Neurodegeneration and Neuroregeneration
Chairpersons: Conrad Johanson (USA) and Ayaj Kumar (India)

15:25 - 15:55

Conrad Johanson/USA
Amyloid Increase in the Aging Rat Brain: Association with Decreased Expression of the LRP-1 and P-gp Transporters at the Blood-Brain Barrier in Cortex and Hippocampus

15:55 - 16:15

Larisa Cheran/Canada
Regenerative Medicine at The Molecular Level

16:15 - 16:35

Michael Thompson/Canada
Neurons at the Liquid-solid Interface

16:35 - 16:55

Hari Shanker Sharma/Sweden
Neuroprotective Effects in Animal Models of CNS Injuries

16:55 - 17:15

Raymond Birge/USA
Novel Functions of Immunophilin Ligands in Tissue Regeneration and Homeostasis

17:15 - 17:35

Stavros J. Baloyannis/Greece
Mitochondrial Alterations in Relation to Synaptic Pathology in Alzheimer's Disease

17:35 - 17:55

Torbjörn Lundstedt/Sweden
Endogenous Metabolic Profiling in Pharmacodynamic Studies

17:55 - 18:55

Satellite Symposium/
Neuroprotection in Multiple Sclerosis

20:30

Gala Dinner



TUESDAY/4 March

- 08:00 - 08:30 | **Official Opening**
- Presidential Session**
- 08:30 - 09:00 | **Dafin Muresanu/Romania**
Neuroprotection and Neuroplasticity - Two Aspects of a Continuous Process, Genetically Regulated and Powered by Neurotrophic Factors
- 09:00 - 09:30 | **Ovidiu Bajenaru/Romania**
Neuroplasticity in Primary Dystonia
- 09:30 - 10:00 | **Hari Shanker Sharma/Sweden**
Blood-Brain Barrier: Nanoneuroscience and Neuroprotection in CNS Injuries
- 10:00 - 10:30 | **A. R. Kohli/India**
Scientific Research: Future Challenges
- 10:30 - 11:00** | **COFFEE BREAK**
- Plenary Session III**
- Title: Neurotrophic Factors and Brain Pathology**
Chairpersons: Barry Hoffer (USA) and Harish Pant (USA)
- 11:00 - 11:30 | **Barry Hoffer/USA**
Neurotrophic Factors for the Treatment of Parkinson's Disease
- 11:30 - 11:50 | **Klaus Toyka/Germany**
Immunomodulatory Treatment in Multiple Sclerosis
- 11:50 - 12:10 | **Bianca Weinstock-Guttman/USA**
The rs2030324 SNP of Brain Derived Neurotrophic Factor (BDNF) is Associated with Visual Cognitive Processing in Multiple Sclerosis
- 12:10 - 12:30 | **Etienne Hirsch/France**
How to Improve Neuroprotection in Parkinson's Disease?
- 12:30 - 13:30** | **Satellite Symposium/**
The Diagnosis and Treatment of Depression in the Elderly
- 13:30 - 14:30** | **LUNCH**
- Plenary Session IV**
- Title: Nanoneuroscience**
Chairpersons: Hari Shanker Sharma (Sweden) and Russel Andrews (USA)
- 14:30 - 15:00 | **Russell Andrews/USA**
Neuromodulation: Advances in Computational Analysis and Nanotechniques

TUESDAY/4 March

- 15:00 - 15:20 | **Kewal Jain/Switzerland**
Nanotechnology-based Drug Delivery for Neuroprotection
- 15:20 - 15:40 | **Dafin Muresanu/Romania**
Influence of Antioxidant Compound H-290/51 on Nanoparticles Induced Cognitive Deficits and Brain Pathology in Hyperthermic Brain Injury
- 15:40 - 16:00 | **R. P. Singh/India**
Bio and Nanotechnology for Future Perspectives
- 16:00 - 16:20 | **Jani Rätty/Finland**
Avidin-Displaying Viruses and Iron Oxide-Nanoparticles as Contrast Agents in non-invasive In Vivo Imaging
- 16:20 - 16:50** | **COFFEE BREAK**
- 16:50 - 17:20** | **Satellite Symposium/**
Oxycodone - Evidence in neuropathic pain treatment
- Plenary Session V**
- Title: Molecular Mechanisms of Neuronal Damage and Repair**
Chairpersons: Ole Petter Ottersen (Norway) and Klaus von Wild (Germany)
- 17:20 - 17:50 | **Ole Petter Ottersen/Norway**
Physiological and Pathophysiological Roles of AQP4 Water Channels in Brain
- 17:50 - 18:10 | **Thomas Herdegen/Germany**
Individual Actions of JNKs in Neurodegeneration
- 18:10 - 18:30 | **Thomas Wisniewski/USA**
Therapeutic Approaches for Prion and Alzheimer's Diseases
- 18:30 - 18:50 | **José-Vicente Lafuente Sánchez/Spain**
Combined Effects of Enriched Environment and VEGF Infusion on the Rat Sensorial Cortex
- 20:30** | **Gala Dinner**

WEDNESDAY/5 March

- Plenary Session VI**
- Title: Neuroprotection in Stroke**
Chairpersons: Natan Bornstein (Israel) and Wolf Dieter Heiss (Germany)
- 08:00 - 08:20 | **Diez-Tejedor Exuperio/Spain**
Brain Protection and Repair in Ischemic Stroke. Perspectives on Translational Research
- 08:20 - 08:50 | **Natan Bornstein/Israel**
Neuroprotection in Acute Ischemic Stroke
- 08:50 - 09:20 | **Wolf Dieter Heiss/Germany**
Imaging the Penumbra: The Pathophysiologic Basis for Therapy of Ischemic Stroke



WEDNESDAY/5 March

- 09:20 - 09:40 | **Valentin Bohotin/Romania**
The Effect of neurotrophic factors Treatment on the Upper Limb Motor Cortical Projection in Patients with Recent Ischaemic Stroke of Middle Cerebral Artery: A Transcranial Magnetic Stimulation Study
- 09:40 - 10:00 | **Laszlo Csiba/Hungary**
Thoughts on Prophylactic Neuroprotection
- 10:00 - 10:30 | **COFFEE BREAK**
- Plenary Session VII**
- 10:30 - 10:50 | **Title: Peripheral Neuropathy**
Chairpersons: Christian Krarup (Denmark) and Gerard Said (France)
- 10:50 - 11:20 | **Harish Pant/USA**
Neuronal Plasticity and Biology of Neurodegeneration : A study of Regulation and Deregulation of Neuronal Cytoskeletal Protein Phosphorylation
- 11:20 - 11:50 | **Christian Krarup/Denmark**
Mechanisms of Axonal Degeneration in Peripheral Neuropathy
- 11:50 - 12:50 | **Gerard Said/France**
Different Patterns of Axonal Lesions and Regeneration in Peripheral Neuropathy
- 12:50 - 13:50 | **Satellite Symposium/**
Dopamine Agonists in Parkinson's Disease
- LUNCH (Sponsored by GSK)**
- Plenary Session VIII**
- 13:50 - 14:10 | **Title: Traumatic Brain Injury**
Chairpersons: Pieter Vos (Netherlands) and A.V. Ciurea (Romania)
- 14:10 - 14:30 | **Pieter Vos/Netherlands**
Prediction of Posttraumatic Complaints after Mild Traumatic Brain Injury
- 14:30 - 14:50 | **Klaus von Wild/Germany**
Cerebroprotection in Neurosurgery - a Multidisciplinary Challenge - Scientific film
- 14:50 - 15:10 | **A.V. Ciurea/Romania**
How to Improve the Global Outcome in Severe Brain Injury (SBI) Early Neuroprotection, Neuroplasticity, Neuroregeneration, Neurorehabilitation and Psychological Support
- 15:10 - 16:10 | **Gelu Onose/Romania**
Complex Mathematical Statistic Analysis Regarding Neuroprotective and Consequent Neurorehabilitative Outcomes, in Patients Treated with the Modern Neurotrophic Drug Cerebrolysin® - Preliminary Results
- Neuroprotection: From nerve to brain through spinal cord

WEDNESDAY/5 March

- 16:10 - 16:40 | **COFFEE BREAK**
- Plenary Session IX**
- 16:40 - 17:10 | **Title: Psychostimulants, Drugs and Neurodegeneration**
Chairpersons: William Slikker (USA) and Antonio Federico (Italy)
- 17:10 - 17:30 | **William Slikker/USA**
Strategies to Prevent Anesthetics-induced Brain Cell Death during Development
- 17:30 - 17:50 | **Antonio Federico/Italy**
Genetic Leucoencephalopathies, with Particular Regards to Late Onset Forms: from bed to bench and contrary
- 17:50 - 18:20 | **Eckart R ther/Germany**
Therapy of Dementia - Cerebrolysin clinical trial experience
- 20:30 | **Rudy J. Castellani/USA**
Prion Diseases in The United States
- Gala Dinner**

THURSDAY/6 March

- Plenary Session X**
- 08:00 - 08:20 | **Title: Neuroprotection and Neuroplasticity in Epilepsy**
Chairpersons: Doru Margineanu (Belgium) and O. van Nieuwenhuizen (Netherlands)
- 08:20 - 08:40 | **Mario Manfredi/Italy**
Neuroprotection in Epilepsy
- 08:40 - 09:00 | **Doru Margineanu/Belgium**
Pathologic vs. Compensatory Neuroplasticity in Epilepsy
- Plenary Session XI**
- 09:00 - 09:30 | **O. van Nieuwenhuizen/Netherlands**
Plasticity in Clinical Practice; Child Neurological Experience
- 09:30 - 10:00 | **Title: Dementia and Neurodegenerative Diseases**
Chairpersons: Amos Korczyn (Israel) and Ovidiu Bajenaru (Romania)
- 10:00 - 10:20 | **Amos Korczyn/Israel**
Methodological Issues in Differentiating Alzheimer's Disease from Vascular Dementia
- 10:20 - 10:50 | **Anton Alvarez/Spain**
Disease-Modifying Treatment in Alzheimer's Disease: The Neurotrophic Option
- Dragos Marinescu/Romania**
The Implication of the Neuroprotection Mechanisms in the Evolution of Schizophrenia and Alzheimer's Disease
- COFFEE BREAK**



THURSDAY/6 March

- 10:50 - 11:10 | **Le Weidong/USA**
Genetic Iron Chelation Protects Against Induced Nigrostriatal Degeneration in Vivo
- 11:10 - 11:30 | **Ivan Milanov/Bulgaria**
Quality of Life of Patients with Parkinson's Disease
- 11:30 - 12:00 | **Satellite Symposium/**
From pharmacological mechanism to therapeutic outcome1 to therapeutic outcome
- 12:00 - 13:00** | **LUNCH**
- Plenary Session XII** | **Title: Novel neuroprotective approaches in clinical neurology**
Chairpersons: Laszlo Vecsei (Hungary) and David Lovejoy (Canada)
- 13:00 - 13:30 | **David Lovejoy/Canada**
The Next Generation in the Treatment of Neurodegeneration: Clinical Applications of Novel Neuropeptides
- 13:30 - 13:50 | **Laszlo Vecsei/Hungary**
Kynurenine System in the Brain: Neuroprotection or Neurodegeneration ?
- 13:50 - 14:10 | **Eugene Kiyatkin/USA**
Brain Temperature as a Factor Affecting Normal Neural Functions and a Contributor to Neurophathology
- 14:10 - 14:30 | **David Vaudry/France**
Characterization of the Neurotrophic Effects of PACAP and Development of New Analogs for Therapeutic Applications
- 14:30 - 14:50 | **Bogdan Popescu/Romania**
The Power of Neurotrophic Factors: A Brain to Skin Conquest and an Embryo to Centenarian Voyage.
- 14:50 - 15:20** | **Satellite Symposium**
Neuroprotection Strategies in Dementia - The role of cholinesterase
- 15:20 - 15:50** | **COFFEE BREAK**
- Plenary Session XIII** | **Title: Depression, Dementia and Neurodegeneration**
Chairpersons: Michael Davidson (Israel) and Emil Toescu (UK)
- 15:50 - 16:20 | **Michael Davidson/Israel**
Is there Evidence in Support of a Degenerative Hypothesis in Schizophrenia?
- 16:20 - 16:40 | **Johannes Thome/UK**
Neurotrophic Factors and Depression
- 16:40 - 17:00 | **Emil Toescu/UK**
The Vulnerability of the Aged Brain
- 17:00 - 18:30** | **Satellite Symposium**
The advantages of early treatment with Stalevo in Parkinson's disease
- 20:30** | **Gala Dinner**