



13–15 May, 2010 Pécs, Hungary

5th Pannonian Symposium on Central Nervous System Injury

TUDOMÁNYOS PROGRAM

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14 May (Hotel Palatinus – Bartók room)

15 May (Hotel Palatinus – Bartók room)

INTRACEREBRAL COMPARTMENTS AND BARRIERS: THE CEREBRAL FLUID HOMEOSTASIS

- 08:00 – 12:00 Registration
08:30 – 08:55 **Brain edema: Water channels and other players**
08:55 – 09:20 **Astrocyte interaction with the blood-brain barrier**
Italia Di Liegro, M.D., Ph.D.
09:20 – 09:45 **Brain edema: pathobiology, diagnostics and treatment**
Tamás Dóczi, M.D., Ph.D., D.Sc.
09:45 – 10:10 **Is there a targeted (clinical) therapy for brain edema?**
Geoffrey T. Manley, M.D., Ph.D.
10:10 – 10:30 Discussion
10:30 – 10:50 Coffee break

EXPERIMENTAL THERAPY OF TRAUMATIC BRAIN AND SPINAL CORD INJURY I.

- 10:50 – 11:10 **Sex-related strategies in neuroprotection**
István Merchantaler, M.D., Ph.D.
11:10 – 11:30 **Progesterone vs. estrogen and their analogues as neuroprotectants**
László Prókai, Ph.D.
11:30 – 11:50 **Brain gut axis: A self-protective system with clinical relevance**
Dóra Reglődi, M.D., Ph.D.
11:50 – 12:10 Discussion
12:10 – 13:30 Visit the exhibitions & Posters in Nádor room, Lunch

EXPERIMENTAL THERAPY OF TRAUMATIC BRAIN AND SPINAL CORD INJURY II.

- 13:30 – 13:55 **New insight into the pathobiology and treatment of TBI using transgenic animals**
John T. Povlishock, Ph.D.
13:55 – 14:20 **Synaptic dysfunction in TBI**
Antonio Germano, M.D., Ph.D.
14:20 – 14:45 **Animal models in neurotrauma**
Esther Shohami, Ph.D.
14:45 – 15:10 **Overview of preclinical studies – What dreams may come?**
Helen Bramlett, Ph.D.
15:10 – 15:35 **Axonal Regeneration-Models, strategies and their clinical relevance**
Marten Risling, M.D., Ph.D.
15:35 – 15:55 Discussion
15:55 – 16:15 Coffee break

MRI AND THE ROLE OF MODERN IMAGING IN CNS INJURY

- 16:15 – 16:40 **Metabolic changes in the brain following TBI**
David Hovda, Ph.D.
16:40 – 17:05 **Novel tools in imaging in CNS injury of various origin**
Pal Barzo, M.D., Ph.D.
17:05 – 17:30 **MRI and the severely brain injured**
Attila Schwarcz, M.D., Ph.D.
17:30 – 17:55 **MRI: Gadget or adjunct to clinical care?**
Peter Bogner, M.D., Ph.D.
17:55 – 18:15 Discussion
18:15 – 19:00 Visit the exhibitions & Posters in Nádor room
20:00 – 00:00 Social Event

SPECIAL TOPICS IN CLINICAL CARE FOR TBI

- 08:00 – 12:00 Registration
08:30 – 08:55 **Management of mild TBI – An update**
Domenico d'Avella, M.D., Ph.D.
08:55 – 09:20 **National implementation of scandinavian guidelines**
Carsten Kock-Jensen, M.D., Ph.D.
09:20 – 09:45 **Hypothermia revisited: basic science**
Dalton W. Dietrich, Ph.D.
09:45 – 10:10 **Hyperoxia, normothermia, hypothermia: when and why in the clinical setting?**
David O. Okonkwo, M.D., Ph.D.
10:10 – 10:35 **Injuries of the craniocervical junction – management strategies: a critical appraisal**
Miro Vukic, M.D., Ph.D.
10:35 – 11:00 **Penetrating head injury**
Yigal Soshan, M.D., Ph.D.
11:00 – 11:20 Discussion/Summary
11:20 – 12:50 Visit the exhibitions & Posters in Nádor room
12:50 – 14:00 Lunch

CLINICAL STUDY DESIGN-CURRENT CLINICAL STUDIES IN CNS INJURY OF VARIOUS ORIGIN

- 14:00 – 14:25 **Ethical aspects of clinical study design and the care of the severely brain injured**
Jan Verlooy, M.D., Ph.D.
14:25 – 14:50 **Decompressive strategies in brain injury of various origin**
Andreas Unterberg, M.D., Ph.D.
14:50 – 15:15 **Decompressive craniectomy: The Chinese experience**
15:15 – 15:40 **Update on the Rescue ICP Study**
Peter Hutchinson, M.D., Ph.D.
15:40 – 16:05 **STICH-II and STITCH: A novel approach**
David Mendelow, M.D., Ph.D.
16:05 – 16:30 Discussion
16:30 – 16:50 Coffee break

BIOMARKERS AND THEIR ROLE IN NEUROMONITORING

- 16:50 – 17:15 **Clinical validation of biomarkers for severe and mild TBI**
Ronald L. Hayes, Ph.D.
17:15 – 17:40 **Biomarkers for traditional TBI vs. blast overpressure brain injury**
Kevin W. Wang, Ph.D.
17:40 – 18:05 **Proteomic studies of blast overpressure brain injury**
Dénes V. Ágoston, M.D., Ph.D.
18:05 – 18:30 **Lycox: Gadget or adjunct to clinical care: Monitoring cerebral oxygenation**
Guy Rosenthal, M.D., Ph.D.
18:30 – 18:50 **Prognostic factors and biomarkers: their role in clinical decision-making**
András Büki, M.D., Ph.D.
18:50 – 19:00 Discussion
19:00 – 00:00 Social event