

# SCIENTIFIC PROGRAM • Monday May 9

| Time          | Monday May 9   |
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| 09:00 - 11:00 | <b>Registration &amp; Breakfast</b>  |
| 11:00 - 12:30 | <p><b>Welcome</b><br/>Bertil Romner &amp; Johan Undén</p> <p><b>Introductory Lectures</b><br/> <b>Biomarkers of brain damage: past, present and future</b><br/>Ron Hayes, USA</p> <p><b>Current use of serum biomarkers in the diagnosis and management of mild TBI</b><br/>Jeff Bazarian, USA</p> <p><b>S100B genetics</b><br/>Roy Sherwood, UK</p>   |
| 12:30-14:15   | <p><b>Basic science &amp; Clinical Chemistry</b><br/>Chairs: Claus Heizmann &amp; Roy Sherwood</p> <p><b>S100 Proteins and RAGE: from Basics to Diagnostics and Therapeutic Strategies</b><br/>Claus Heizmann, Switzerland</p> <p><b>Clinical application of biochemical markers</b><br/>Per Simonsson, Sweden</p> <p><b>Ventricular and lumbar CSF S100B levels differ significantly in neurosurgical patients</b><br/>Sebastian Brandner, Germany</p> <p><b>Diagnostic significance of serum markers of BBB function in neurological diseases</b><br/>Damir Janigro, USA</p> <p><b>S100B stimulates TNF-alpha and IL-6 secretion in AT1-like lung cells</b><br/>Giuseppe De Benedictis, Italy</p> <p><b>Novel sample preparation method enhances biomarker discovery: Analysis of endogenous neuropeptides in mouse brain using mass spectrometry</b><br/>Mats Borén, Sweden</p> |
| 14:15 - 14:45 | <b>Coffee break &amp; visit to the exhibition &amp; posters</b>  |
| 14:45 - 16:30 | <p><b>Proteomics, Genomics and Translations into Clinical Trials</b><br/>Chair: Jackson Streeter &amp; Jacek R. Wisniewski</p> <p><b>ALERT trial "A prospective evaluation of BiomarkERs of mild, moderate and severe Tbi"</b><br/>Jackson Streeter, USA</p> <p><b>Proteomics of the brain</b><br/>Jacek R. Wisniewski, Germany</p> <p><b>Serum and CSF Biomarkers Indicating Injury Severity and Pathomechanism</b><br/>Denes Agoston, USA</p> <p><b>Cerebrospinal fluid biomarkers to diagnose the meningo-encephalitic stage of sleeping sickness</b><br/>Jean-Charles Sanchez, Switzerland</p> <p><b>Neurodegradomics: the source for biomarkers</b><br/>Svetlana Dambinova, USA</p> <p><b>Development of a quantitative, multiplex protein assay for biomarker discovery &amp; qualification in CSF</b><br/>Barry Mcaleer, USA</p>  |
| 19:00 - 21:00 | <b>Glorias pub evening</b>   |

| Time          | Tuesday May 10  |
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| 08:30 - 10:15 | <p><b>Severe Head Injury</b><br/>Chairs: Francisco Murillo-Cabezas &amp; Andrea Kleindienst</p> <p><b>Introduction</b><br/>Francisco Murillo-Cabezas, Spain</p> <p><b>Pharmacodynamics and biological significance of S100B in acute brain injury</b><br/>Andrea Kleindienst, Germany</p> <p><b>Interstitial brain injury biomarkers and inflammatory mediators following severe human traumatic brain injury</b><br/>Andreas Jeromin, USA</p> <p><b>Chronic sustained elevations of MAP-2 in serum of patients after Traumatic Brain Injury</b><br/>Stefania Mondello, USA</p> <p><b>S100B Protein: a biomarker with predictive capacity to detect brain death in patients with severe traumatic brain injury</b><br/>Juan José Egea-Guerrero, Spain</p> <p><b>TBIcare – a new way to use traumatic brain injury biomarkers</b><br/>Olli Tenovuo, Finland</p>  |
| 10:15 - 10:45 | <b>Coffee break &amp; visit to the exhibition &amp; posters</b>   |
| 10:45 - 12:30 | <p><b>Neurointensive Care</b><br/>Chairs: Bo-Michael Bellander &amp; Per-Olof Grände</p> <p><b>Protein S100B in severe head injury - case presentation</b><br/>Bo-Michael Bellander, Sweden</p> <p><b>Increased S100B protein in patients without head injury undergoing emergency surgery for control of severe hemorrhage.</b><br/>Elissavet Stamatakis, Greece</p> <p><b>Additional samples of serum S100B after traumatic brain injury correspond to outcome</b><br/>Eric Thelin, Sweden</p> <p><b>Changes of Neuromarker levels after spine surgery</b><br/>Harald Wolf, Austria</p> <p><b>Correlation between brain biomarkers and brain tissue oxygenation in patients with traumatic brain injury</b><br/>Kara Schmid, USA</p> <p><b>Does a clinically useful threshold for tissue oxygen tension exist in cerebral ischemia?</b><br/>Troels Halfeld Nielsen, Denmark</p> <p><b>Associations between cerebrospinal fluid protein concentrations, serum albumin concentrations and intracranial pressure in neurotrauma and intracranial haemorrhage</b><br/>Toby Jeffcote, UK</p> |
| 12:30 - 13:30 | <b>Lunch break &amp; visit to the exhibition &amp; posters</b>  |



# SCIENTIFIC PROGRAM • Wednesday May 11

| Time          | Wednesday May 11  |
|---------------|---|
| 08:30 - 10:00 | <p><b>Cerebrovascular Diseases</b><br/>Chair: Christian Foerch &amp; Klaus Hansen</p> <p><b>Differentiation of intracerebral hemorrhage from ischemic stroke by serum GFAP</b><br/>Christian Foerch, Germany</p> <p><b>Risk Assessment of TIA and Ischemic Stroke</b><br/>Svetlana Dambinova, USA</p> <p><b>A potential pre-hospital triage biomarker panel for equivocal stroke</b><br/>Natacha Turck, Switzerland</p> <p><b>Circulating interleukin-6 and c-reactive protein are associated to brain-MRI findings in the elderly</b><br/>Claudia Satizabal, France</p> <p><b>The NMDA Receptor Peptide as Biomarker for Acute Ischemic Stroke</b><br/>Svetlana Dambinova, USA</p>   |
| 10:00 - 10:30 | <b>Coffee break &amp; visit to the exhibition &amp; posters</b>   |
| 10:30 - 12:30 | <p><b>Pediatric and Neonatal Issues</b><br/>Chairs: Rachel Berger &amp; Vineta Fellman</p> <p><b>Biomarkers in pediatrics: How far have we come and where are we headed?</b><br/>Rachel Berger, USA</p> <p><b>Biochemical and non-invasive brain monitoring in mothers used antidepressants drugs during pregnancy and their newborns</b><br/>Simona Bellodi, Italy</p> <p><b>Kidney Function not Affects S100B Urine Concentrations in Healthy and Asphyxiated Newborns</b><br/>Maria Riso Francesco, Italy</p> <p><b>S100B Protein Maternal and Fetal bloodstreams gradient in Healthy and small for gestational age Pregnancies</b><br/>Andrea Sannia, Italy</p> <p><b>Can acute serum biomarker levels predict significant CPP insult in childhood brain trauma?</b><br/>Alison McLuckie, UK</p> <p><b>Acute serum biomarker levels at day 1 and day 5 post-injury and outcome prediction in childhood brain trauma</b><br/>Alison McLuckie, UK</p> <p><b>Evaluation of autoantibodies to NMDA-receptor in patients with perinatal asphyxial encephalopathy.</b><br/>Maria Shumilina, Russian Federation</p> <p><b>Age and gender specific reference values for venous and capillary S100B in children</b><br/>Ramona Åstrand, Sweden</p> |
| 12:30 - 13:30 | <b>Lunch break &amp; visit to the exhibition &amp; posters</b>  |

