

Thursday, May 4th

Welcome Address

Panel 2

Ischemia and stroke: basic mechanisms of neuroprotection

Symposium lectures

Anrather, Josef / Iadecola, Costantino New York, USA

The multi-functional role of Prostaglandin E2 receptors in excitotoxic brain injury

Witte, Otto Jena, Germany

Impact of perilesional dysfunction on brain plasticity - new aspects and therapeutic intervention

Traystman, Richard Portland, USA

Neuroprotection Following Cardiac Arrest and CPR: Genes and Gender Make a Difference

Bazan, Nicolas New Orleans, USA

Endogenous neuroprotective signalling in the response to ischemia-reperfusion

Rothwell, Nancy Manchester, UK

IL-1 as a therapeutic target in stroke

Short Communications

Poster viewing and discussions

Panel 3

Neuroprotective mechanisms in Ischemia: Genomic aspects

Chopp, Michael Detroit, MI, USA

Remodeling Brain after Stroke

McCulloch, James Edinburgh, UK

Genomics and plasticity in vitro and in vivo

Sharp, Frank Sacramento, USA

Genomic approaches to ischemic and hemorrhagic brain injury: studies in brain and blood

Wieloch, Tadeusz Lund, Sweden

Gene profiling of the post-ischemic brain reveals novel pathways for recovery of function following stroke

19:00

Conference Banquet

Friday, May 5th

Panel 4

Neurorepair and neuroprotection – Cellular and mitochondrial aspects

Fiskum, Gary Baltimore, USA

Neuroprotection by Inhibition of Mitochondrial Oxidative Stress

Bossy-Wetzel, Ella La Jolla, USA

Mitochondrial fission: an initiator of neurodegeneration

Culmsee, Carsten Munich, Germany

A causal role for apoptosis-inducing factor in ischemic neuronal cell death

Herdegen, Thomas Kiel, Germany

Activation of the Nrf2 transcription factor as neuroprotective strategy

Maiese, Kenneth Detroit, USA

Impacting Inflammatory Cell Activation to Restore Neuronal and Vascular Function through Novel Cellular Targets

Ravindranath, Vijayalakshmi Haryana, India

Redox perturbations in neurodegeneration and a role for thiol delivery agents

Poster viewing and discussions

Panel 5

Stem cells as a source for neurorepair

Symposium lectures

Brüstle, Oliver Bonn, Germany

ES cell-derived neural precursors: Fate restriction versus controlled differentiation

Emmrich, Frank Leipzig, Germany

Cell therapy in stroke

Götz, Magdalena Munich, Germany

Glial cells generate neurons: molecular mechanisms

Snyder, Evan La Jolla, USA

Stem cells appear to exert homeostatic pressure in degenerative or injured CNS environments

Sykova, Eva Praha, Czech Republic

Stem cells and biocompatible hydrogels in the treatment of brain and spinal cord injury

Short Communications

19: 00 Social Event - Hundertwasserhaus and Chamber orchestra concert, Cathedral

Saturday, May 6th

Panel 6

Endogenous neurogenesis as a therapeutic target

Symposium lectures

Greenberg, David A. Novato, USA

Endogenous Neurogenesis in Stroke & Neurodegenerative Disease

Levison, Steve New Jersey, USA

Neonatal hypoxic/ischemic brain injury initiates and sustains neocortical and striatal neuronal replacement from the SVZ subsequent to neural stem cell expansion

Lindvall, Olle Lund, Sweden

Neurogenesis after stroke and status epilepticus in the adult brain

McKay, Ron Bethesda, USA

Controlling regenerative events in the ischemic nervous system

Nakafuku, Masato Cincinnati, USA

Injury-induced neurogenesis in the striatum and neocortex: contribution of parenchymal neural progenitors

Panel 7

Pathology of brain damage in stroke

Ehrenreich, Hannelore Göttingen, Germany

Erythropoietin and analogues: Promising strategies for neuroprotection in human brain disease

Schneider, Armin Heidelberg, Germany

The hematopoietic factor G-CSF is a neurotrophic protein with neuroprotective and regenerative activities

Dirnagl, Ulrich Berlin, Germany

Neuroprotection and neurorepair: Laboratory artifacts?

Plenary panel

General conclusions lecture and round table discussion

Bazan, Nicolas New Orleans, USA

Stroke research in the coming decade: promise of neuroprotection, regeneration and repair or cul-de-sac?

Hossmann, Konstantin-A. Cologne, Germany (Chair)

Round Table: Cell replacement therapy with endogenous and transplanted stem cells versus Neuroprotection