

08:00-08:20 Welcome - Registration

08:20-08:40 Opening Remarks - E.N. Brown (USA)

08:40-10:00 Clinical Paradigms

Chairmen: E.N. Brown (USA) and F. Bozza (Brazil)

- 08:40 > Cognitive recovery following critical illness - P. Pandharipande (USA)
- 09:00 > The different stages of Alzheimer's disease - B. Dubois (France)
- 09:20 > Predicting cognitive recovery following traumatic brain injury - R.D. Stevens (USA)
- 09:40 > Trajectory of neuromuscular recovery after critical illness - N. Latronico (Italy)

10:00-10:30 Break 

10:30-11:50 Systems-Level Approaches to Plasticity

Chairmen: R.D. Stevens (USA) and J. Mariani (France)

- 10:30 > Disturbances of space representation and awareness after right brain damage - F. Doricchi (Italy)
- 10:50 > The organisation of recent and remote memories - B. Bontempi (France)
- 11:10 > Physiology of motor recovery after focal brain injury - V. Di Lazzaro (Italy)
- 11:30 > Mechanisms of skeletal muscle fatigue and recovery - H. Westerblad (Sweden)

11:50-12:50 The perioperative period: does it impact cognitive functions?

Chairmen: E.N. Brown (USA) and V. Degos (France)

- 11:50 > New insights into the mechanisms of anesthesia - E.N. Brown (USA)
- 12:10 > Postoperative cognitive dysfunction: where are we? - L. Rasmussen (Denmark)
- 12:30 > Cognitive decline after ICU: what can we do? - P. Pandharipande (USA)

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12:50-14:10 Break (no lunch provided)

14:10-15:10 Synaptic adaptations

Chairmen: B. Bontempi (France) and P. Pandharipande (USA)

- 14:10 > Synaptic repair in the cerebellum during lifespan - J. Mariani (France)
- 14:30 > Synaptic modulation by inflammatory signalling - M. Lynch (UK)
- 14:50 > Contribution of astrocytes to synaptic functions - S. Oliet (France)
- 15:10 > Neurophysiological tests and long term outcome in critical illness - K. Benedek (Denmark)

15:30-16:00 Break 

16:00-17:00 Cellular components of CNS plasticity

Chairmen: F. Chretien (France) and S. Oliet (France)

- 16:00 > Conditional expansion of neural stem cells in the mammalian brain - F. Calegari (Germany)
- 16:20 > Reactive astrocytes in brain injury - M. Schwartz (Israel)
- 16:40 > How can we achieve robust regeneration of damaged CNS axons? J. Fawcett (UK)

17:00-18:40 Neurovascular diseases

Chairmen: S. Timsit (France) and J. Mantz (France)

- 17:00 > Reperfusion in acute ischemic stroke: an update - M. Mazighi (France)
- 17:20 > Microcirculation assessment using perfusion MRI in SAH - L. Ostergaard (Denmark)
- 17:40 > Immune modulation in stroke: smoking gun or innocent bystander? - D. Payen (France)
- 18:00 > Cellular therapy for cerebral ischemia: from animal models to clinical trials - O. Detante (France)
- 18:20 > Perspectives for neuroprotection by progesterone in traumatic brain injury and cerebral ischemia R. Guenoun (France)

08:00-09:20 Repair in peripheral nerve and muscle

Chairmen: N. Latronico (Italy) and P.M. Lledo (France)

- 08:00 > Challenges in peripheral nerve repair: cell-based therapies and nerve tissue engineering C. Radtke (Germany)
- 08:20 > From atrophic muscles to motor neurons: dissecting the retrograde signaling - M. Sandri (Italy)
- 08:40 > The impact of sepsis on muscle stem cells and muscle regeneration - F. Chretien (France)
- 09:00 > Future targets to prevent skeletal muscle wasting during critical illness - N. Hart (UK)

09:20-09:50 Break 

09:50-11:10 Therapeutic targets I

Chairmen: N. Hart (UK) and M. Sandri (Italy)

- 09:50 > Early mobilization following stroke - P. Langhorne (UK)
- 10:10 > Therapeutic implications of neurogenesis - P.M. Lledo (France)
- 10:30 > Stimulation of endogenous myelin repair - S. Gandhour (France)
- 10:50 > Human artificial chromosomes and IPS cells for muscle regeneration - F.S. Tedesco (UK)
- 11:10 > Demyelination and remyelination in the CNS - C. Ffrench-Constant (UK)

11:30-12:30 Status epilepticus and EEG

Chairmen: V. Navarro (France) and A. Rossetti (Switzerland)

- 11:30 > Revue of SE care - A. Rossetti (Switzerland)
- 11:50 > EEG in Status - V. Navarro (France)
- 12:10 > EEG transients: To treat or not to treat? - V. Alvarez (Switzerland)

12:30-13:30 Break (no lunch provided)

13:30-14:00 Poster session

14:00-15:40 Therapeutic targets II

Chairmen: S. Gandhour (France) and J. Claassen (USA)

- 14:00 > Cell biology of neural stem / progenitor cells in developing neocortex - W. Huttner (Germany)
- 14:20 > Enrich the environment to empower the brain - A. Sale (Italy)
- 14:40 > Stem cell transplantation for treatment of ischemic stroke - Z. Kokaia (Sweden)
- 15:00 > Strategies to enhance training effects in neurorehabilitation - L. Cohen (USA)
- 15:20 > Early rehabilitation during critical illness: move it or lose it ! - R. Gosselink (Belgium)

15:40-16:00 Break 

16:00-16:20 Update on EEG: EEG signals of recovery after acute brain injury - J. Claassen (USA)

16:20-17:20 Cerebral damages after cardiac arrest

Chairmen: A. Cariou (France) and T. Sharshar (France)

- 16:20 > Prognostication at the acute stage: present and future - A. Rossetti (Switzerland)
- 16:40 > Temperature management: where do we stand? - A. Cariou (France)
- 17:00 > Rehabilitation: who, when and how? - A. Peskine (France)

17:20-17:30 Concluding remarks - J. Mantz (France)