

08h30-09h00 Welcome & registration

09h00-10h00 **NEUROPROGNOSTICATION IN STROKE**

- 09h00-09h20 Prediction of aphasia recovery after ischemic stroke *Cathy J Price - University College London, London (United Kingdom)*
 09h20-09h40 Prediction of motor recovery after ischemic stroke *Charlotte Rosso - Sorbonne University, Paris (France)*
 09h40-10h00 Pragmatic approach of prognostication in severe stroke *Mikael Mazighi - Paris Diderot University, Paris (France)*

10h00-10h20 Coffee Break

10h20-11h40 **NEUROPROGNOSTICATION IN CARDIAC ARREST**

- 10h20-10h40 Pathophysiology of ischemic brain injuries *Denis Vivien - INSERM Paris, Gip Cyceron Caen (France)*
 10h40-11h00 Functional and structural MRI for neuroprognostication after cardiac arrest *Robert D Stevens - John Hopkins Medicine, Baltimore (USA)*
 11h00-11h20 Electrophysiology in anoxo-ischemic injuries *Michel van Putten - University of Twente & Medisch Spectrum Twente (Netherlands)*
 11h20-11h40 Pragmatic approach of prognostication after cardiac arrest *Alain Cariou - Paris Descartes University, Paris (France)*

11h40-13h10 **SYMPOSIUM 1**

14h00-15h20 **NEUROPROGNOSTICATION IN TRAUMATIC BRAIN INJURY**

- 14h00-14h20 Pathophysiology of TBI *Jonathan Coles - University of Cambridge, Cambridge (United Kingdom)*
 14h20-14h40 Epidemiological research on prognostication of TBI Outcome *Hester Lingsma - Erasmus Medical Center, Rotterdam (Netherlands)*
 14h40-15h00 Predict cognitive dysfunction after TBI *David Sharp - Imperial College London (United Kingdom)*
 15h00-15h20 Long term improvement after TBI *Jacques Luauté - Hospices Civils de Lyon, Lyon (France)*

15h20-15h40 Coffee Break

15h40-17h00 **NEUROPLASTICITY**

- 15h40-16h00 Stress-induced mechanisms of neuroplasticity in pathophysiology of brain diseases *Maurizio Popoli - University of Milan, Milan (Italy)*
 16h00-16h20 Is there a biomarker of neuroplasticity? *Diego Gazzolo - «Cesare Arrigo» Children's Hospital, Alessandria (Italy)*
 16h20-16h40 Plasticity and connectivity - Detection and stimulation with TMS *John Rothwell - University College London, London (United Kingdom)*
 16h40-17h00 Neuroplasticity evaluation to predict prognosis: from bench to bedside *Nick Ward - University College London, London (United Kingdom)*

17h00-18h30 **SYMPOSIUM 2**

FRIDAY JUNE 21th | NICIS EUROPE 2019

08h30-09h00 Welcome & registration

09h00-10h20 **NEUROPROGNOSTICATION OF CONSCIOUSNESS**

- 09h00-09h20 Clinical evaluation of consciousness in the ICU *Aurore Thibaut - University of Liège (Belgium)*
 09h20-09h40 Uncovering consciousness in unresponsive ICU patients: technical, medical and ethical considerations *Jan Claassen - Columbia University, New York (USA)*
 09h40-10h00 Consciousness and complexity *Mario Rosanova - University of Milan, Milan (Italy)*
 10h00-10h20 Prognostication of consciousness recovery: State of the art in 2019 *Lionel Naccache - Sorbonne Universities, Paris (France)*

10h20-10h40 Coffee Break

10h40-12h00 **DECISION MAKING IN HIGH DEGREE OF UNCERTAINTY**

- 10h40-11h00 General introduction to decision making *Albert Moukheiber - Chiasma, Paris (France)*
 11h00-11h20 Confirmation bias *Stefano Palminteri - Ecole Normale Supérieure, Paris (France)*
 11h20-11h40 How to improve medical decision under pressure / uncertainty *Niklas Keller - Charité Universitätsmedizin, Berlin (Germany)*
 11h40-12h00 The key role of uncertainty in decisions to withdraw Life-sustaining treatments *Christos Lazaridis - University of Chicago, Chicago (USA)*

12h00-13h30 **SYMPOSIUM 3**

14h00-14h20 **NEUROPROGNOSTICATION IN STROKE (follow)**

- Pathophysiology of acute ischemic stroke and recovery *Lionel Velly - Aix-Marseille University, Marseille (France)*

14h20-15h40 **BRAIN DEATH: CONCEPTS AND CHALLENGES**

- 14h20-14h40 A brief History of brain deaths *Laura Bossi - Paris Diderot University, Paris (France)*
 14h40-15h00 Definitions of brain deaths across Europe *Giuseppe Citerio - Milano Bicocca University, Milan (Italy)*
 15h00-15h20 Confounding factor in neuroprognostication: sedation, renal and liver failure *Caroline Nigoghossian - Columbia University Medical Center/NYC Presbyterian Hospital New York (USA)*
 15h20-15h40 Neuroprognosis and Donation After Cardiac Death (DCD) *Erwin Kompanje - Erasmus Medical Center, Rotterdam (Netherlands)*

15h40-16h00 Coffee Break

16h00-17h40 **FUTURE OF NEUROPROGNOSTICATION: BIG DATA AND MACHINE LEARNING**

- 16h00-16h20 Using real-world data for research and outcomes: An innovative approach *Jorge Salluh - Dor Institute for research and education, Rio de Janeiro (Brazil)*
 16h20-16h40 Big Data and prediction *Ari Ercole - Erasmus Medical Center, Rotterdam (Netherlands)*
 16h40-17h00 Non-linear machine learning and signal models reveal new insights on neural oscillations *Alexandre Gramfort - Inria, CEA Neurospin, Université Paris-Saclay (France)*
 17h00-17h20 EEG markers of consciousness in brain-injured patients *Jacobo Sitt - Brain and Spine Institute, Paris (France)*
 17h20-17h40 A multimodal approach of neuroprognostication *Louis Puybasset - Sorbonne University, Paris (France)*

17h40-18h00 Awards | End of the conference

