

**Networks, Neuroscience,
and Intensive Care****THURSDAY 30 JUNE | DAY ONE****8:50AM > 9AM****CONGRESS OPENING****9AM > 10:15AM****INTRODUCTION AND CONTEXT**

9am > 9:20am

Keynote: Networks of consciousness *C. Koch, USA*

9:20am > 9:40am

Network theory *A Barabasi, USA*

9:40am > 10:00am

"L'homme reseau-nable – The n" *L. Naccache, Paris, France*

10:00am > 10:15am

Question/Answers live

10:15AM > 11AM**COFFEE BREAK****11AM > 12:30PM****LARGE SCALE CEREBRAL NETWORKS: MODELS**

11am > 11:20am

Importance of network models in the study of consciousness *M. Boly, USA*

11:20am > 11:40am

Cerebral networks and neurodegenerative disorders *W. Seeley, USA*

11:40am > 12:00pm

Anesthetic modulation of neural circuits *E. Brown, Philadelphia, USA*

12:00pm > 12:30pm

Question/Answers live

12:30PM > 1:30PM**LUNCH BREAK****1:30PM > 2:30PM****LARGE SCALE CEREBRAL NETWORKS: ACTIVE AND STIMULATION PARADIGMS**

1:30pm > 1:50pm

Analysis of brain semantic networks *J.R. King, Paris, France*

1:50pm > 2:10pm

Decoding auditory processing to interrogate brain function
J.J. Aucouturier, Besançon, France

2:10pm > 2:30pm

Question/Answers live

2:30PM > 3:30PM**CELLULAR AND MOLECULAR NETWORKS**

2:30pm > 2:50pm

Development of brain networks and relevance of environmental and
genetic factors *A. Kolodkin*

2:50pm > 3:10pm

Astrocyte modulation of synaptic function *M. Cohen-Salmon, Paris, France*

3:10pm > 3:30pm

Question/Answers live

3:30pm > 4pm**COFFEE BREAK****4PM > 5:15PM****CELLULAR AND MOLECULAR NETWORKS (FOLLOWED)**

4pm > 4:20pm

Cerebral organoids for neurologic disease modeling *H Clever, Netherlands*

4:20pm > 4:40pm

Control of synaptic plasticity in cortical networks *P. Roelfsema-Netherlands*

4:40pm > 5:00pm

Modeling of stroke recovery with advanced brain connectivity imaging
F. HUMMEL, Lausanne, Switzerland

5:00pm > 5:15pm

Question/Answers live

**Networks, Neuroscience,
and Intensive Care****FRIDAY 1 JULY | DAY TWO****8:30AM > 10:45AM**

8:30am > 8:50am

LARGE-SCALE NETWORK ANALYSIS IN INTENSIVE CAREConnectome signatures for brain injury prediction and classification
Robert Stevens, USA

8:50am > 9:10am

Task-based EEG analysis in the ICU *Jan Claassen, USA*

9:10am > 9:30am

Resting-state EEG analysis in the ICU *Benjamin Rohaut, France*

9:30am > 9:50am

Network paradigms in disorders of consciousness *A. Demertzi*

9:50am > 10:10am

Network adaptations during recovery from severe neurological injury
V. Newcombe, UK

10:10am > 10:45am

Question/Answers live

10:45AM > 11:15AM**COFFEE BREAK****11:15AM > 1:00PM****NEURO-IMMUNE NETWORK CROSSTALK IN CRITICAL ILLNESS**

11:15am > 11:35am

Cerebral network dysfunction associated with systemic inflammatory signaling
M. Heneka, Germany

11:35am > 11:55am

Epigenetic regulation of microglial cells *Alice Jacquens, Lausanne, Switzerland*

11:55am > 12:15pm

The microbiome and immune modulation of cerebral function
M. Rodriguez, Cork

12:15pm > 12:35pm

Neuromodulation of the immune response in critically ill patients
D. Annane, Paris, France

12:35pm > 1pm

Question/Answers live

1PM > 2PM**LUNCH BREAK****2PM > 3:30PM****NEURO-IMMUNE NETWORK CROSSTALK IN CRITICAL ILLNESS (FOLLOWED)**

2:pm > 2:20pm

Modulation of immune responses in acute brain injured patients
Antoine Roquilly, Nantes, France

2:20pm > 2:40pm

Neuroimmunological features of post-ICU depression *C. Henry, Paris, France*

2:40pm > 3:00pm

Neuroimmunology of post-sepsis PTSD *Aurélien Mazeraud, Paris, France*

3:00pm > 3:30pm

Question/Answers live

3:30PM > 4PM**COFFEE BREAK****4PM > 5:15PM****BRAIN-CARDIAC NETWORKS IN CRITICAL ILLNESS**

4pm > 4:20pm

Anatomy and physiology of the brain/cardiac axis *J. Sitt, Paris, France*

4:20pm > 4:40pm

Neurological effects of ECMO *Romain Sonnevill, Paris, France*

4:40pm > 5pm

Decoding cardiac signals in acute brain injury *S. Park, USA*

5pm > 5:15pm

Question/Answers live

5:15PM > 6:30PM**BRAIN-RESPIRATORY NETWORKS IN CRITICAL ILLNESS**

5:15pm > 5:35pm

Anatomy and physiology of brain/lung networks *K. Asehounne, Nantes, France*

5:35pm > 5:55pm

Approaches to ventilator-patient dyssynchrony *L. Brochard, Canada*

5:55pm > 6:15pm

Brainstem dysfunction in COVID-19 patients *B. Hermann, Paris, France*

6:15pm > 6:30pm

Question/Answers live