

## Regional Conference - Blood-Brain Interfaces

29<sup>th</sup> of September 2023 / Neurocampus Michel Jovet, CRNL, Bron, Lyon, France

### 9:00-9:40 Opening

Arrival, Registration & Breakfast

9:30-9:40 Welcome. Necessity of blood-brain interfaces Research in Today's Neuroscience

Morning session chair: Jean-François Gherzi-Egea

### 9:40-10:15 Keynote Speaker 1

**Alexandra VALLET**

CSF flow and transport around cerebral arterioles

### 10:15-11:00 Oral Session 1

**10:15-10:30 Servane TAUSZIG-DELAMASURE**

A new avian model to study medulloblastoma primary tumor formation and leptomeningeal metastatic dissemination

**10:30-10:45 Fiona QIU**

Sulphotransferases at Blood-CSF-Barrier: Metabolic barrier in the developing brain?

**10:45-11:00 Alexandre BANI-SADR**

Blood-Brain Barrier permeability and kinetics of inflammatory markers in acute stroke patients treated with thrombectomy

### 11:00-11:30 Coffee Break/Poster Session

### 11:30-12:30 Oral Session 2

**11:30-11:45 Nathalie PEREK**

Modelling of the blood-tumour barrier using an in vitro model of the human BBB and human glioblastoma lines to study the effect of chronic intermittent hypoxia microenvironment (Project Presentation)

**11:45-12:00 Cindy DURAND**

Impact of fetal growth restriction on the neuroprotective properties of blood brain interfaces in the rat: preliminary studies

**12:00-12:15 Christel MARQUETTE**

Maternal and Fetal Neurological Consequences of Preeclampsia (Project Presentation)

**12:15-12:30 Léa GAUME**

Implementation of an in vitro model of human blood-brain barrier to investigate enterovirus A71 neuroinvasion

**12:30-14:00 Lunch**

**Afternoon session chair: Frédéric Roche**

**14:00-15:00 Oral Session 3**

**14:00-14:15 Rita EL KHOURY**

Molecular attributes of cynomolgus monkey blood-brain interfaces

**14:15-14:30 Sighild LEMARCHANT**

NX210c drug candidate peptide strengthens the blood-brain barrier in vitro and in vivo

**14:30-14:45 Pauline GUILLOT**

Analysis of the effects of obstructive sleep apnea syndrome (OSAS) on the blood-brain barrier (BBB)-Biomarker research: exosomes

**14:45-15:00 Anne DENUZIERE and Patricia VIRET**

Pheromone-guided behaviour in newborns: Synergistic role for the olfactory and choroid plexus epithelia? (Project Presentation)

**15:00-15:30 Coffee Break/Poster Session**

**15:30-16:15 Oral Session 4**

**15:30-15:45 Laurent SEUGNET**

Sleep regulation by the drosophila equivalent of the blood brain barrier

**15:45-16:00 Hadi YOUNES**

Effect of Prokineticin on cerebral cells function and BBB permeability

**16:00-16:15 Jean-François GHERSI-EGEA**

Tools and methods available on the BIP Facility

**16:15-16:50 Keynote Speaker 2**

**Marlène WIART**

Advances on imaging techniques used in Blood Brain Barriers research

**16:50-17:00 Closing**

**Closing**

## Poster Presentations

**Alexandre BANI-SADR**

Blood-Brain Barrier permeability and kinetics of inflammatory markers in acute stroke patients treated with thrombectomy

**Bayan EL AMINE**

Post stroke sleep apnea: the effect of intermittent hypoxia on cerebrovascular recovery

**Rita EL KHOURY**

Uncovering specificities in the molecular attributes of cynomolgus monkey blood-

**Jean-François GHERSI-EGEA**

Resilience of the cortical neurovascular system to fetal growth restriction

**Laloe MONTEIRO**

Measurement of metabolic activity and maturation of blood brain interfaces in developing rat choroid plexuses

**Ophélie PERRUCHE**

Interaction of echovirus 6 and coxsackievirus B5 with the human blood-cerebrospinal fluid barrier: an in vitro model

**Fiona QIU**

Brain entry of antiepileptics, valproate and lamotrigine, during pregnancy and development in a rat model of epilepsy (GAERS)

**Olivier RAINETEAU**

Towards a comprehensive transcriptomic analysis of neurovascular unit composition and signalling in the rodent brain

**Nicolas REBERGUE**

NX210c drug candidate peptide strengthens the blood-brain barrier in vitro and in vivo brain interfaces

**Sandrine BLONDEL**

Blood Brain Interfaces Exploratory Platform

**Servane TAUSZIG-DELAMASURE**

A new avian model to study medulloblastoma primary tumor formation and leptomeningeal metastatic dissemination.