

# Brain matters & more

## GUIDED TOUR

Monday 27 May from 10:15 to 11:15 – Exhibition Hall

Tour Captain: Başak Ceyda Meço

10:00 Participants meet with the tour captain at the Innovation Village

10:15 Start of the tour

10:18 to 10:35

### **Non-invasive, Real-Time, Cerebral Autoregulation Monitoring by Volume Reactivity for Personalized Blood Pressure Management**

Presenter: Allison Prowse



This presentation will provide an overview of Mespere LifeSciences next generation of cerebral oximetry technology, offering real-time and continuous assessment of cerebral autoregulation through volume reactivity, enabling personalized blood pressure management. A personalized MAP management strategy may protect the brain from both ischemia and hyperemia. We invite you to join us for this presentation to gain a deeper understanding into the applications of our systems and to engage with our clinical team.

10:37 to 10:54



### **pEEG – A Brain Health Platform – beyond depth of sedation monitoring**

Presenter: Basil Matta

Perioperative management of high-risk surgical patients is a complex and complicated process. Hemodynamic instability can inflict vital organ hypoperfusion and lead to serious consequences that compromise brain health and patient safety, mainly due to cellular oxygen debt. In this guided tour, we will explore advanced monitoring tools available to help clinicians ensure optimal tissue perfusion.

- Discuss the holistic approach of multimodal, individualized monitoring that can help to avoid perioperative oxygen debt in high-risk surgical patients
- Highlight the importance of DOS in maintaining hemodynamic stability
- Learn how our Total Oxygen Delivery Platform can help optimize Brain Health and support effective blood management and optimize oxygen delivery to vital organs

10:56 to 11:13

**Addressing Anesthesia Challenges via Nerve Pathway  
Monitoring: Objectifying Analgesia and Quantifying  
Neuromuscular Blockade**

Presenter: Stephanie Tam



This presentation highlights the shift towards personalised anesthesia, aiming to tailor each patient's care to their specific needs. The focus is on avoiding both under- and over-dosing, ensuring precise dosing at the right moment. Two technologies, the NMT station WiTOF and the Analgesia monitor AlgiScan, exemplify this approach, enabling individualisation of neuromuscular blockade and predicting nociceptive response for a reduction of opioids doses, respectively.

11:15

End of the tour at the Innovation Village