

# ECCN 2025 HYBRID PROGRAMME

## Wednesday 10th September

0930-1030	<p><b>Opening lecture</b></p> <p><b>Baby Brain Waves: EEG Monitoring for Neonatal Neurocritical Care in the AI Era</b></p> <p><b>Speaker:</b> <i>Geraldine Boylan</i></p> <p><b>Chaired by:</b> <i>Ronit Pressler &amp; Andrea Antal</i></p>
1100-1230	<p><b>The epileptic spike across scales: Bridging animal, computational, and clinical data</b></p> <p><i>Marco De Curtis</i> <i>Fabrice Wendling</i> <i>Francesca Bonini</i></p>
1230-1330	<p><b>Tips for trainees</b></p> <p><i>Agnes Trebuchon</i> <i>Isabelle Lambert</i></p>
1400-1530	<p><b>Pathophysiology of rigidity in Parkinson's disease</b></p> <p><i>John Rothwell</i> <i>Antonio Suppa</i> <i>Antonella Macerollo</i></p>
1600-1730	<p><b>Epileptic seizure classification: Electro-clinical perspectives</b></p> <p><i>Sándor Beniczky</i> <i>Ronit Pressler</i> <i>Sameer Zuberi</i></p>
1730-1830	<p><b>The Hagbarth lecture in human neurophysiology</b></p> <p><b>Oscillatory brain state-dependent and closed-loop stimulation: novel avenues for individualized brain stimulation therapy</b></p> <p><b>Speaker:</b> <i>Ulf Ziemann</i></p> <p><b>Chaired by:</b> <i>Walter Paulus &amp; John Rothwell</i></p>

## Thursday 11th September

0800-0900	<b>EMG and AI in clinical neurophysiology</b> <i>Joe F Jabre</i> <i>Jacquie Deeb</i>
0900-1030	<b>Neurophysiology beyond the muscle membrane</b> <i>Roger Whittaker</i> <i>James Alix</i> <i>Hatice Tankışi</i>
1100-1200	<b>The Buchthal lecture in EMG and peripheral neurophysiology</b> <b>Peripheral nervous system signs and symptoms: A question of lesion, excitability, or central modulation?</b> <b>Speaker:</b> <i>Jean-Pascal Lefaucheur</i> <b>Chaired by:</b> <i>Hatice Tankisi and Christian Krarup</i>
1300-1400	<b>IOM Session for Physiologists - TBC</b> <i>Ana Mirallave-Pescador</i> <i>Micheal Pridgeon</i> <i>Peter Walsh</i>
1400-1530	<b>Seizure burden in critically ill neonates, children, and adults: Does it matter?</b> <i>Geraldine Boylan</i> <i>Cecil Hahn</i> <i>Nicolas Gaspard</i>
1600-1730	<b>Seizure semiology in and around the frontal lobe: From cradle to operating table</b> <i>Rachel Thornton</i> <i>Aileen McGonigal</i> <i>Fabrice Bartolomei</i>
1730-1830	<b>Lopes da Silva lecture</b> <b>EEG: from waves to imaging to prediction</b> <b>Speaker:</b> <i>Margitta Seeck</i> <b>Chaired by:</b> <i>Jacquie Deeb &amp; Anita Kamondi</i>

## Friday 12th September

0800-0900

### **Traumatic nerve injury**

*Ruth Van Der Looven  
Michael Fox*

0900-1030

### **EEG biomarkers of vigilance fluctuations and non-invasive brain stimulation response in Alzheimer's disease: Hans Berger's legacy**

*Claudio Babiloni  
Verónica Henao Isaza  
Bahar Güntekin*

1100-1200

### **Closing lecture**

### **Adventures in memory and imagination – Transient epileptic amnesia and imagery extremes**

**Speaker:** *Adam Zeman*

**Chaired by:** *Jonathan Cole & Sushma Goyal*