

PROGRAMME

Thursday 25th September

- 09:00** Registration & Morning Coffee
- 09:30** Conference Opening Address
- 09:45** Sports-Related Head Impacts and Cortical and Sub-Cortical Brain Function: Differences Between Contact and Non-Contact Sport Athletes. Jessica Andrew
- 10:10** Unraveling the Effects of tDCS on Brain Plasticity and Cognitive Function. Anna Fromm
- 10:35** Poster Pitches - Cohort 1
- 11:25** Break
- 11:35** Poster Pitches - Cohort 2
- 12:25** Lunch
- 13:25** Boosting the Effects of Transcranial Magnetic Stimulation (TMS) Using Synchronised Transcranial Alternating Current Stimulation (tACS). Dr Paul Briley
- 13:50** ⁴Helium OPM-MEG for Neuroscientific and Clinical Applications. Dr Caroline Witton
- 14:15** Poster Pitches - Cohort 3
- 15:05** Break
- 15:15** Poster Pitches - Cohort 4
- 16:05** Coffee Break
- 16:35** Contrasting the Functional Roles of Two Distinct Prefrontal Regions in Rule and Task-Relevant Stimulus Processing. Dr Jade Jackson
- 17:00** The Role of GABA in Semantic Memory and its Neuroplasticity: Combining Multimodal Imaging and NIBS (TMS and TUS). Dr JeYoung Jung
- 17:25** The Most Consistent Finding in TMS is its Inconsistency. Professor Martin Koltzenburg
- 17:50** Day One Closing Remarks
- 18:00** Poster Session & Social Event
- 19:30** Conference Day One End

Friday 26th September

- 08:45** Registration Opens
- 09:15** Welcome Day Two
- 09:20** Temporal Interference Stimulation of the Hippocampus During Sleep Modulates Memory Consolidation in Humans. Prince Okyere
- 09:45** Transcranial Ultrasound Stimulation: From Foundational Findings to Clinical Translation. Dr Suraya Dunsford
- 10:10** Fantastic Voyage - A Fantastic and Spectacular Voyage Through the Human Body... Into the Brain. Michael Sanders
- 10:35** Break
- 10:45** Young Investigator Award 2025
- 11:10** John Rothwell Award 2025
- 12:00** Lunch
- 13:00** Evidence of Motor Learning Modulation by Stimulation of the Occipital Nerve in Humans. Dr Gabriel Byczynski
- 13:25** Electrophysiological Effects of TUS on the Somatosensory Cortex in a Rat Model. Charlotte Smets
- 13:50** Precision Control of TMS Pulse Waveforms: From Neural Mechanisms to Therapeutic Potential. Dr Ricci Hannah
- 14:15** Optimising Therapeutic Effects of TMS: From Synergistic Approaches to Pulse Parameters. Professor Sara Tremblay
- 14:40** Break
- 15:10** Tailoring tES: Individualising tDCS Dose Through Prospective EF Modelling Reduces Variability in Neuromodulation Effects. Professor Alberto Pisoni
- 15:35** Multimodal Investigation into GABA Change Following Intermittent Theta Burst Stimulation. Dr Katherine Dyke
- 16:00** Feeling Out Ultrasound Neuromodulation: Bringing Peripheral Somatosensory Effects into Focus. Dr Benjamin Kop
- 16:25** Poster Prize Presentation
- 16:45** Research Challenge 2025 Presentation
- 17:05** 2024 Research Challenge Update
- 17:15** Closing Remarks & Wrap Up
- 17:30** Conference Day Two End