

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 The Role of GABA in Semantic Memory and Its Neuroplasticity: Combining Multimodal Imaging and NIBS (TMS and TUS). Dr JeYoung Jung

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 TBA 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 Unraveling the Effects of tDCS on Brain Plasticity and Cognitive Function. Anna Fromm

17:25 TBA Professor Martin Koltzenburg

17:50 Day One Closing Remarks

18:00 Poster Session & Social Event

19:30 Conference Day One End

2025

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 Precision Control Of TMS Pulse Waveforms: From Neural Mechanisms To Therapeutic Potential. Professor Sara Tremblay

14:40 Break

15:10 Tailoring tES: Individualizing tDCS Dose Through Prospective EF Modeling 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 & 2024 Update

17:15 Closing Remarks & Wrap Up

17:30 Conference Day Two End

2025