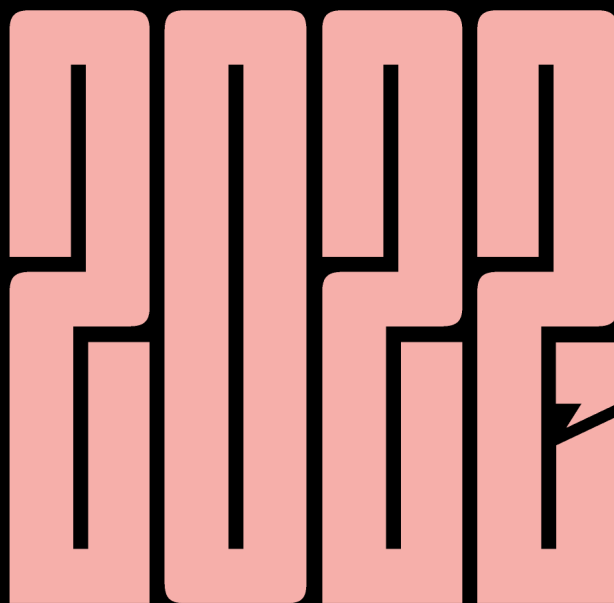


brainbox
initiative



C O N F E R E N C E

09:00 Registration Opens

10:00 Conference Opening Address

10:15 Dr Alex Sel, University of Essex

Inducing and measuring brain plasticity in the human brain with non-invasive brain stimulation

10:45 Dr Pablo Maceira, EPFL

Brain stimulation restores motor skill acquisition in healthy older adults

11:15 Poster Pitches

12:00 Lunch

13:00 Keynote Talk

14:00 Dr Kathy Ruddy, Trinity College Dublin

Research Challenge Updates

14:30 Poster Pitches

15:15 Break

15:45 Henry Hebron, University of Surrey

Perfect Timing: EEG Phase-Locked Sounds to Modulate Alpha Oscillations and The Sleep Onset Process – Proof of Principle, Mechanistic Insights, and Application

16:15 Verena Sarazzin, University of Oxford

Targeting negative affective biases with tDCS

16:45 Dr Amanda Arulpragasam, Brown University

First-in-Human Use of Low Intensity Focused Ultrasound in Depressed Patients: Early Safety and Clinical Outcomes

17:15 Maria Miscouridou, University College London

To be confirmed

17:45 Day One Closing Remarks

18:00 Extended Poster Session

19:00 Social Event

20:00 Conference Day One Close

09:00 Registration Opens

10:00 Welcome & Announcement of Poster Prize

10:15 Dr Tom Marshall, University of Oxford

Combining MEG, tES, and biophysical modelling to study neuronal oscillations

10:45 Dr Roisin McMackin, Trinity College Dublin

Research Challenge Update: Investigating Dysfunction of Cognitive-Motor Networks in Huntington's Disease and Motor Neuron Disease with TMS

11:15 Dr Marco Davare, King's College London

Recent advances in the neuronal effects of TMS in awake behaving non-human primates

11:45 Young Investigator Award 2022

12:15 Lunch

13:15 Dr Etienne Labyt, Mag4Health

Keynote talk

14:00 Alisha Dua, Cornell University

Interrogating Genetic Correlates of rTMS Responsive Circuits in MDD

14:30 Elena Beanato, EPFL

Modulation of specific compartments of the striatum by non-invasive temporal interference stimulation

15:00 Break

15:30 Dr Naaz Desai, Krembil Research Institute, Toronto

Investigating the effects of peripheral functional electrical stimulation in combination with low intensity focused ultrasound on upper extremity fine motor function

16:00 Poster Prize Presentation

Research Challenge Presentation

16:30 John Rothwell Award

17:00 Closing Remarks

Satellite Workshop

This year, in-person attendees of the Brainbox Initiative will have the opportunity to join us on Saturday, September 24, for a half-day, interactive workshop.

The workshop will explore recent advancements in Ultrasound computational modelling, managing auditory confounds, MR-TUS compatibility, as well as future directions for the field.

Joined by:

Professor Kim Butts Pauly (Stanford University)

Professor Bradley Treeby (UCL)

Dan Phillips (Brainbox)

Spaces for this satellite workshop are strictly limited.

This satellite workshop is free to attend for conference attendees; it is not possible to attend the workshop only. Spaces are limited, and must be booked in addition to the conference itself. The workshop is only available in-person; it will not be included in the online streaming for virtual attendees.