



# Copenhagen Brain Stimulation Symposium 2024

‘A deep dive into Brain Stimulation’

December 6<sup>th</sup>, 2024

## 8.30 Coffee & Croissant

### Welcome to CoBS symposium 2024

09.00: Hartwig R.Siebner: Welcome to CoBS Symposium 2024

### Morning Session 1: ‘A translational view on TUS and its applications’

*Chair: Mikkel Malling Beck*

09.10: Estelle Raffin: Translational development of an ultrasound protocol applied to the sensorimotor system.

09.45: Rikke H. Kofoed: Focused ultrasound for brain delivery and neuromodulation

10.10: Salvatore Bertino: The effects of theta-burst transcranial focused ultrasound on corticospinal excitability: a replication study.

## 10.30 Coffee Break

### Morning Session 2: ‘TUS from cortex to depth of the human brain’

*Chair: Estelle Raffin*

11.00: Jean-Francois Aubry: Transcranial Ultrasound Stimulation (TUS): strengths, weaknesses and first clinical evidence in movement disorders and psychiatry

11.35: Til-Ole Bergmann: Combining TUS with TMS/EEG/(f)MRI – promises and pitfalls

## 12:10 Lunch

### The 2024 ‘CoBS Lecture’

13.00: Mark Hallett: A history, and the future of TMS and its uses in movement disorders

### The 2024 ‘CoBS Young Investigator Lecture’

13.45: Laura De Herde: Inn-EAR signals: Exploring the Effect of Transauricular Vagal Nerve Stimulation on Pain and Heartbeat Perception in Healthy Individuals.

## 14:00 Coffee Break

### Afternoon Session: ‘New ways of stimulating and measuring from the brain’

*Chair: Anke Karabanov*

14.30: Saša Filipovic: Oscillatory modulated transcranial direct current stimulation (otDCS) – best of two worlds

14.55: Lasse Christiansen: Studying motor cortical properties with the immediate TMS evoked potential (i-TEP)

15.25: Helen Barron: Inhibitory engrams for continual learning and precise memory recall





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BRAIN STIMULATION  
WEEK 2024



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