



# Copenhagen Brain Stimulation Virtual Workshop 2021

## 'New Frontiers in Non-Invasive Brain Stimulation'

November 5th, 2021

Welcome – Hartwig Siebner		
<b>Session 1: Connectomics and brain stimulation</b> Chair: Anke N. Karabanov		
08.30-09.10	<b>Andrew Zalesky</b>	<i>Precision Brain Circuit Stimulation</i>
09.10-09.50	<b>Gesa Hartwigsen</b>	<i>Probing domain-specific vs domain-global contributions of cortical areas with non-invasive brain stimulation.</i>
Discussion round		
Coffee Break		
<b>Session 2: EEG informed TMS</b> Chair: Mads J. Madsen		
10.30-11.10	<b>Risto Ilmoniemi</b>	<i>Precision stimulation with multi-channel TMS</i>
11.10-11.50	<b>Kristoffer H. Madsen</b>	<i>TMS-EEG-TMS – Closing the loop</i>
Discussion round		
Lunch Break		
<b>Session 3: Target engagement and off-target effects</b> Chair: Lasse Christiansen		
13.20-14.00	<b>Axel Thielscher</b>	<i>E-field modelling: In-vivo validation and its use for informing brain stimulation</i>
14.00-14.40	<b>Aman Aberra</b>	<i>Realistic modeling of cortical stimulation at the single cell level</i>
14.40-15.20	<b>Angel Peterchev</b>	<i>Towards quiet TMS</i>
Discussion round		
Coffee Break		
<b>Session 4: Harnessing the clinical potential of precision stimulation</b> Chair: Estelle Raffin		
16.00-16.40	<b>Hartwig Siebner</b>	<i>Targeted non-invasive brain stimulation in Parkinson Disease</i>
16.40-17.20	<b>Colleen Hanlon</b>	<i>Targeted non-invasive brain stimulation in Addiction</i>
Discussion round		
Round-up – Hartwig Siebner		

**Format: 25-30 minutes of presentation followed by 10-15 minutes of questions and discussion.**