



*Celebrating 40 Years of Innovation and Advancing Frontiers in
Transcranial Magnetic Stimulation*

Conference Programme

8th September 2025 • Queen Square, London

Session 1

Chaired by Professor Ian Freeston

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| 08:30 | Introduction led by Professor Ian Freeston, University of Sheffield and Dr Reza Jalinous, Jaltron LLC |
| 08:45 | <i>The Birth of TMS</i> - Professor Anthony Barker, University of Sheffield Medical School |
| 09:15 | <i>Early Scientific and Clinical Developments</i> - Professor John Rothwell, University College London |
| 09:35 | <i>The Action of TMS On The Corticospinal System: Early Work Showing Convergence Of Human And Non-Human Primate Research</i> - Professor Roger Lemon, University College London |
| 09:55 | <i>The Start of rTMS</i> - Professor Robert Chen, University of Toronto |
| 10:20 | Coffee |

Session 2

Chaired by Professor Sven Bestmann

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| 10:45 | <i>Unpopular TMS Methods Inventor</i> - Professor Yoshikazu Ugawa, Fukushima Medical University |
| 11:10 | <i>From Early Exploration Of The Motor System To Probing Cognitive Health</i> - Professor Paolo Rossini, IRCCS San Raffaele, Rome |
| 11:35 | <i>It takes two to tango: Synergistic Probing of Brain Dynamics with TMS and EEG</i> - Professor Hartwig Siebner, Copenhagen University Hospital |
| 12:00 | <i>Neuroimaging-Guided Multilocus TMS and TMS-EEG</i> - Dr Pantelis Lioumis, Aalto University |
| 12:25 | <i>Can Neurophysiological And Neurochemical Signals Optimise TMS?</i> - Professor Charlotte Stagg, University of Oxford |
| 12:50 | Lunch |

Session 3

Chaired by Professor Richard Carson

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| 13:30 | | <i>Threshold Tracking TMS</i> - Professor Martin Koltzenburg, University College London |
| 13:50 | | <i>What Are The Critical Experimental Variables Affecting TMS Measures?</i> - Dr Roisin McMackin, Trinity College Dublin |
| 14:15 | | <i>Biological Factors Affecting MEP Variability</i> - Professor Bülent Cengiz, Gazi University, Ankara |
| 14:35 | | <i>The Future Of TMS Devices And Coils</i> - Professor Angel Peterchev, Duke University |
| 15:00 | | <i>What Have TMS Devices With Pulse Shape Modulation Taught Us?</i>
- Dr Ricci Hannah, King's College London |
| 15:20 | | Tea |

Session 4

Chaired by Professor Kristian Bernhard Nilsen

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| 15:50 | | <i>What Diseases Can Be Treated With TMS?</i> - Professor Valerie Voon, Cambridge University |
| 16:15 | | <i>Is There A Future For Diagnostic TMS?</i> - Dr Ginte Samusyte, Lithuanian University of Health Sciences |
| 16:40 | | <i>How Suitable Is TMS In Studying Mechanisms Of Neuroplasticity?</i> - Professor Walter Paulus, Ludwig-Maximilians-University Munich |