



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

8th September, 2025
Queen Square, London



08:00 | Coffee

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 Clinical Developments</i> - Professor Kerry Mills, King's College London |
| 09:35 | <i>Early Scientific Developments</i> - Professor John Rothwell, University College London |
| 09:55 | <i>The Start of rTMS</i> - Professor Robert Chen, University of Toronto |
| 10:20 | Coffee |

Session 2

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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 |
| 12:50 | Lunch |



Session 3

Chaired by Professor Sven Bestmann

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 Roger Lemon

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