



Attention, Perception and Motor Cognition

Programme

29th & 30th May 2009

Kennedy Lecture Theatre
Institute of Child Health
University College London
London WC1

Day 1: Friday 29th May 2009

8.30 – 9.30 **REGISTRATION & WELCOME**

9.30 – 10.30 **Dr Eric Wassermann**
Brain Stimulation Unit, NINDS, Bethesda
The motor evoked potential and the human condition

SESSION ONE

Attention and Perception I

Chaired by: **Professor Vince Walsh** ICN, UCL

10.30 – 11.15 **Professor Nilli Lavie**
UCL Division of Psychology and Language Sciences
TMS, attention and “blindness”

11.15 – 11.45 COFFEE & Posters

11.45 – 12.30 **Dr David Pitcher**
Visual Cognition Group, ICN, UCL
TMS studies of the face processing network

12.30 – 13.15 **Professor J. Doug Crawford**
York Centre for Vision Research
Cortical Mechanisms for Trans-Saccadic Memory

13.15 – 14.15 LUNCH & Posters

SESSION TWO

Motor Systems and Cognition I

Chaired by: **Dr Sven Bestmann** , UCL Wellcome Trust Centre

14.15 – 15.00 **Dr Matthew Rushworth**
Decision & Action Lab, Exp. Psychol. Dept, Oxford University
Using TMS to investigate cortico-cortical interactions in action selection and inhibition

15.00 – 15.45 **Dr Marco Davare**
Sobell Dept Motor Neuroscience & Movement Disorders, UCL
How do cortical areas talk to each other? Understanding the cortical grasping network by using paired-pulse TMS

15.45 – 16.15 TEA & Posters

16.15 – 17.00 **Dr Nici Wenderoth**
Movement Control & Neuroplasticity, KU Leuven
Involvement of ipsilateral premotor and motor cortex is task dependant

17.00 – 17.45 **Student Presentation**
To be confirmed

18.00 – 20.00 RECEPTION AND PRIZE GIVING

Day 2: Saturday 30th May 2009

SESSION THREE

Attention and Perception II

Chaired by: **Dr Michal Lavidor**, Dept Psychology, Hull University

- 9.30 – 10.15 **Dr Carmel Mevorach**
School of Psychology, University of Birmingham
Saliency-based selection: how does the brain suppress saliency?
- 10.15 – 11.00 **Dr Juha Silvanto**
Dept Psychology, University of Essex
Using state-dependent TMS to investigate neural tuning and selectivity
- 11.00 – 11.30 COFFEE & Posters
- 11.30 – 11.50 **Professor Carlo Miniussi**
Biomedical Sciences & Biotechnologies, Brescia University
Neural noise & TMS-induced effects in cognitive studies
- 11.50 – 12.10 **Dr Gregor Thut**
Centre for Cognitive Neuroimaging, Dept of Psychology, Glasgow
New insights into rhythmic brain activity from combining TMS and EEG
- 12.10 – 13.30 LUNCH & Posters

SESSION FOUR

Motor Systems and Cognition II

Chaired by: **Professor Salvatore Aglioti**, Psychol Dept, La Sapienza

- 13.30 – 14.15 **Professor Angela Sirigu**
Institute of Cognitive Science, CNRS, Bron
Movement representation and motor plasticity as revealed by TMS
- 14.15 – 15.00 **Student presentation**
To be confirmed
- 15.00 – 15.30 TEA & Posters
- 15.30 – 16.15 **Dr Jacinta O'Shea**
Oxford Centre for FMRI of the Brain
tDCS and neuroplasticity
- 16.15 – 17.00 **Dr Sven Bestmann**
UCL Institute of Cognitive Neuroscience
Assessing the network effects evoked by TMS using neuroimaging

REGISTRATION: To attend the **TMS SUMMER SCHOOL** you **MUST** register.

£50 (for both students and earning professionals)

Bookings can be made by VISA/credit/debit card or by a cheque made payable to "TMScourse". For a booking form or more information about this year's event, please e-mail BrainTMS@gmail.com.

MAGSTIM YOUNG INVESTIGATOR AWARD

The winner of the *Magstim Young Investigator Award* will be announced at the Reception on Friday evening. The prize is £500.

To nominate someone for the prize send a brief CV and PDFs of two papers (published, in press or under review) to BrainTMS@gmail.com. Self nominations are encouraged.

POSTER PRIZE

A poster prize of £250 will be awarded to the best poster by a young investigator.

Send poster titles (abstracts not required) to BrainTMS@gmail.com

There will be displays of magnetic stimulation, neuronavigation and electrophysiological products by: *The Magstim Company and Rogue Research*