



DRAFT PROGRAMME

Wednesday-Thursday 28th-29th March 2012

Clinical Neurosciences Centre, 33 Queen Square, London, WC1N 3BG

DAY 1: Wednesday, 28th March 2012

9.00 REGISTRATION OPENS

SYMPOSIUM: *"The Neuropsychology of Autism and the Development of Social Cognition"*. Organised by **Dr. Jamie Ward** (University of Sussex)

9.30 **The contribution of alexithymia to the emotional symptoms of autism spectrum conditions**
Geoff Bird, Birkbeck College, University of London

10.00 **The importance of motor abilities in the development of typical and atypical social cognition**
Elisabeth Hill, Goldsmith's College, University of London

10.30 TEA & COFFEE

11.00 **Imitating and understanding other people**
Antonia Hamilton, University of Nottingham

11:30 **Translational approaches to autism research: Achievable or a delusion?**
Christine Ecker, Institute of Psychiatry

FREE PAPERS

12.00 **The efficacy of neurofeedback therapy with particular reference to ADHD and Autistic Spectrum Disorders**
Dr B Steffert (Learning Recovery, Cambridge), Dr L.A.Parkinson (Brainhealth, The Diagnostic Clinic, London), T. Steffert and A.J. Parkinson

12:30 LUNCH & AGM (Members Only)

14:00 ELIZABETH WARRINGTON PRIZE LECTURE

Seeing why they can't see: Neuropsychological and Neuroimaging Investigations of Visual Disintegration in Posterior Cortical Atrophy
Sebastian Crutch (UCL)

FREE PAPERS

15.00 **Slow wave and REM sleep deprivation effects on explicit and implicit memory during sleep**
Sarah J. Casey¹, Luke C. Solomons², Laura H. Goldstein¹ & Michael D. Kopelman²
¹Department of Psychology and ²Department of Psychological Medicine, Institute of Psychiatry, King's College London

15.30 TEA/COFFEE & POSTER SESSION 1

List of Posters:

The role of clustering and switching in discriminating patients with Alzheimer's disease from patients with Sub-cortical Vascular Dementia.

Rossi F.¹, Allegri N.^{1,2}, Vanini B.¹, Ruggeri S.³, Maffei E.¹, Zago S.³, Govoni S.⁴, Ricevuti G.¹; ¹ Department of Internal Medicine, Section of Gerontology and Geriatrics, University of Pavia, Italy; ² Scuola Lombarda di Psicoterapia (SLOP), Retorbido, Italy; ³ Neurological Sciences Department, University of Milan, Fondazione Ca' Granda, IRCCS Ospedale Maggiore Policlinico, Milan, Italy; ⁴ Institute of Pharmacological Sciences, University of Pavia, Italy

Improving 7-day memory via a brief wakeful rest

Alber, J.¹, Dewar, M.¹, Butler, C.², Cowan, N.³, & Della Sala, S.¹.

¹ Human Cognitive Neuroscience, University of Edinburgh

² Department of Clinical Neurology, University of Oxford

³ Department of Psychological Sciences, University of Missouri-Columbia, USA

The role of personality variables on memory source monitoring

Valentina Caserio¹, Michela Brambilla¹, Michela Petesi¹, Diego Liccione¹, Roberto Pazzaglia^{1,2}, Luca Bramati², Nicola Allegri^{1,3}, Davide Liccione^{1,2}

¹ Lombard School Of Psychotherapy (SLOP) ² University of Pavia

³ Department of Internal Medicine, Section of Gerontology and Geriatrics, University of Pavia

Effects of different prefrontal cortex lesions on fluid intelligence

Woollett, K.¹, Shallice, T.^{1,2}, and Cipolotti, L.^{1,3}

¹ Institute of Cognitive Neuroscience, University College London, London, UK

² SISSA-ISAS (International School for Advanced Studies), Trieste, Italy.

³ Dipartimento di Psicologia, Università de Palermo, Italy

Imitative ability in adults with Autism: evidence for intact visuomotor and visuospatial aspects of imitation

Louisa Miller, Lorcan Kenny, Justin H.G Williams, & Robert D. McIntosh

School of Psychology, University of Edinburgh

Limbic modulation of movement speed: Paradoxical movement in a shock avoidance task in Parkinson's disease and healthy controls

Louise M. McDonald, Mariam Torkamani, Marjan Jahanshahi

Sobell Department of Motor Neuroscience and Movement Disorders, UCL Institute of Neurology

Positive changes in mood after switching on deep brain stimulation of the subthalamic nucleus in Parkinson's disease

Louise M. McDonald, Donna Page, Leonora Wilkinson, Marjan Jahanshahi

Sobell Department of Motor Neuroscience and Movement Disorders, UCL Institute of Neurology

16.30 Feeling Touch from Seeing Touch in Developmental Synaesthesia: A Hyperactive Tactile Mirror System?

Jamie Ward¹, Henning Holle¹, & Michael Banissy²; ¹ University of Sussex, ² Goldsmith's College

PRESIDENT'S INVITED LECTURE, Sponsored by Cambridge University Press

17:00 The Social Brain - in Action and at "Rest" - in Autism Spectrum Disorders

Alex Martin (NIH, USA)

18:00 DRINKS RECEPTION (Downstairs Foyer, 33 Queen Square)

19:30 CONFERENCE MEAL (pre-booking essential; *Carluccio's* in the Brunswick Centre)

DAY 2: Thursday 29th March 2012

8:30 REGISTRATION OPENS

9.00 **The Neural Network Supporting Semantic Representation and Control: An fMRI Study of Concrete and Abstract Words**

*Paul Hoffman, Richard J. Binney and Matthew A. Lambon Ralph
Neuroscience and Aphasia Research Unit (NARU), University of Manchester*

9:30 **Charting the effects of TMS with fMRI: Changes in cortical recruitment and connectivity within the semantic control network**

Carin Whitney, Mark Hymers, Beth Jefferies, University of York, Department of Psychology and York Neuroimaging Centre

10:00 **Direct evidence for the crucial role of the ventral anterior temporal region in semantic processing**

Taiji UENO¹, Akihiro SHIMOTAKE², Satoru SAITO^{1,3}, Akio IKEDA², Riki MATSUMOTO², & Matthew A. LAMBON RALPH¹

1: NARU, School of Psychological Sciences, University of Manchester

2: Department of Neurology, Graduate School of Medicine, Kyoto University

3: Department of Cognitive Psychology in Education, Kyoto University

10:30 TEA/COFFEE & POSTER SESSION 2

List of Posters:

Early and sustained contributions to phonology by the supramarginal gyrus

Magdalena W. Sliwiska, Manali Khadilkar, Jonathon Campbell-Ratcliffe, Frances Quevenco and Joseph T. Devlin; Cognitive, Perceptual & Brain Sciences, UCL, London

Semantic word category processing in degenerative brain disease

Zubaida Shebani¹, Karalyn Patterson², Peter Nestor², Kate Dawson² and Friedemann Pulvermüller^{1,3}

¹MRC Cognition and Brain Sciences Unit, Cambridge

²Department of Clinical Neurosciences, University of Cambridge

³Free University of Berlin, Philosophy Department and Excellence Cluster "Languages of Emotion", Berlin

The Role of Premotor Cortex in Speech Perception

Katya Krieger-Redwood, Shane Lindsay, Gareth Gaskell, Beth Jefferies; University of York

Frontotemporal network for resolving semantic ambiguities during speech comprehension

Sylvia Vitello, Joseph T. Devlin, Jennifer M. Rodd

Cognitive, Perceptual and Brain Sciences, University College London

Requesting without Asking: Contributions of Motor and Theory-of-Mind Systems to Language Understanding

Van Ackeren, M.J., Casasanto, D., Hagoort, P., Bekkering, H. & Rueschemeyer, S-A

11:30 **Interfering with category specific visual impairment: a single case study of retraining**

*Rosaleen McCarthy**, Adam Pawley***, Claire Sampson*, Laura Todd*, Sam Yates**

University of Cambridge, **University of Southampton and *King's College Hospital*

SYMPOSIUM: *The Organisation of Conceptual Knowledge: A Role for Embodied Cognition?* Organised by **Prof. Matt Lambon-Ralph** (University of Manchester)

12:00 **Category specificity and modality-specific semantic systems: A relation with embodiment?**
Tim Shallice, University College London, UK and SISSA, Trieste, Italy

12:30 **Multiple semantic systems in the brain grounded in action and perception are necessary - for avoiding multiple confusions**
Friedemann Pulvermuller, Free University of Berlin & MRC CBU, Cambridge

13:00 LUNCH

14:00 **Numerical cognition: Grounded, embodied and situated**
Martin Fischer, University of Potsdam, Germany

14:30 **Integrating embodied and linguistic information in semantic representation**
Gabriella Vigliocco, University College London

15:00 **The hunt for concepts in the brain: have we caught anything yet?**
Karalyn Patterson, Department of Clinical Neurosciences, University of Cambridge and MRC-CBU

15:30 CLOSE

BNS Autumn Meeting, 7th-8th November 2012

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"Frontotemporal Dementia: From Modules to Molecules"

John Hodges (University of New South Wales, Australia) will deliver the Freda Newcombe Lecture

"Medial Temporal Lobe Functional Heterogeneity: Inputs or Processes?"

Kim Graham (Cardiff University) & **Daniela Montaldi** (University of Manchester) will participate in *The John Marshall Memorial Debate*

Mini-symposium on *"Metacognitive aspect of Alzheimer's disease"*

Speakers: **Daniel Mograbi**, **Robin Morris** (Institute of Psychiatry, London) and **Andrew Budson** (Boston University, USA)

Other Symposia to be Confirmed

THE CALL FOR ABSTRACTS IS NOW OPEN (until 17th April 2012)

Please submit a 250 word abstract structured with the following subheadings: objectives, methods, results and conclusions. Specify preference for poster or oral presentation. Email to Jamie Ward, Meetings Secretary: jamiew@sussex.ac.uk