



PROVISIONAL PROGRAMME

Wednesday-Thursday, 30th - 31st March 2011

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

On-line pre-registration:

To help us organise the catering, please let us know if you intend to come to the meeting.

Simply fill in the form here: <http://www.the-bns.org/preregistration.html>

Registration cost:

FREE for BNS members, £10 for students and unwaged participants, £20 for all others.
Please pay at the venue.

Registration, Tea and Coffee will be in the Foyer

DAY 1: Wednesday, 30th March 2011

8.30 REGISTRATION OPENS

9.00 **For what do you need a left temporal lobe?**

Karalyn Patterson (University of Cambridge) and Richard J.S. Wise (Imperial College, University of London)

9.30 **Left frontal anodal tDCS during spoken picture naming elicits neural and behavioral priming in Broca's area**

Holland, R., Leff, A.P., Josephs, O., Galea, J., Desikan, M., Price, C. J., Rothwell, J., Crinion J.
University College London

10.00 **Cognitive enhancement and neurobilingualism: Selective effects of brain stimulation on language switching but not manual response-conflict**

Georgina M Jackson¹; Sunyoung Choi²; Stephen R Jackson^{2,3}
School of Psychology, University of Nottingham, UK¹
WCU Department of Brain and Cognitive Engineering, Korea University, South Korea²
Division of Psychiatry, University of Nottingham, UK³
Department of Academic Radiology, University of Nottingham, UK⁴

10.30 **Verbal and Non-Verbal Fluency Tasks and the Frontal Lobes**

Gail Robinson¹², Tim Shallice³⁴, Marco Bozzali⁵ and Lisa Cipolotti²⁶
¹School of Psychology, University of Queensland, Brisbane, Australia
²Neuropsychology, National Hospital for Neurology and Neurosurgery, Queen Square, London, UK.
³Institute of Cognitive Neuroscience, University College, London, UK.
⁴International School for Advanced Studies (SISSA), Trieste, Italy.
⁵Neuroimaging Laboratory, Santa Lucia Foundation, Rome, Italy.
⁶Dipartimento di Psicologia, University of Palermo, Italy.

11:00 TEA

11:30 From Sensation to Semantics: Convergent Connectivity and Graded Specialization in the Temporal Lobe as Revealed by Diffusion Weighted Imaging Probabilistic Tractography

*Richard J. Binney, Geoffrey. J .M . Parker, Matthew A. Lambon Ralph
University of Manchester*

SYMPOSIUM

**Re-considering language as the function of a large-scale neural network:
Towards a new understanding of normal language and aphasia.**

Chair: Matt Lambon-Ralph

12.00 Dialogues in neural space

Peter Hagoort, F.C. Donderscentrum, Netherlands

12.30 The bits in here and here that go when you're losing your wordage: atrophy, metabolism and connectivity changes in semantic dementia

Peter Nestor, University of Cambridge

13.00 LUNCH

14.00 Predicting the outcome of brain damage using network lesions

Cathy Price, Wellcome Trust Centre for Neuroimaging, University College London

14.30 Imaging neuroanatomy and reorganization of language networks

Dorothee Saur, Department of Neurology, University Medical Center Freiburg, Germany

15.00 Human brains speak with forked tongue: A neuroanatomically-constrained computational model of normal and aphasic language

Taiji Ueno & Matthew A. Lambon Ralph, NARU, University of Manchester*

15.30 COFFEE

16.00 Functional anatomy of language pathways: new insights provided by cortico-subcortical electrostimulation

Hugues Duffau, University of Montpellier, France

16.30 Is the left inferior parietal lobe a language area?

Richard Wise, Imperial College London

PRESIDENT'S INVITED LECTURE, Sponsored by Cambridge University Press

17:00 Evolutionary and biological perspectives on semantic processing: The temporal lobes and beyond

Jeffrey Binder, Medical College of Wisconsin, USA

18:00 DRINKS RECEPTION (Old Board Room, National Hospital for Neurology and Neurosurgery)

DAY 2: Wednesday, 31st March 2011

8:30 REGISTRATION OPENS

9:00 **TMS reveals two critical and functionally distinct time periods for early face and body perception**

David Pitcher 1,2, Brad Duchaine 3, Vincent Walsh 2, Nancy Kanwisher 1

1. Massachusetts Institute of Technology, 2. University College London, 3. Dartmouth College

9:30 **Semantically-driven re-activation of visual cortex during object recognition and naming: An MEG study**

Uzma Urooj, Katie Wheat, Michael Simpson, Piers Cornelissen and Andy Ellis

Department of Psychology and York Neuroimaging Centre, University of York

10:00 **Why is ventrolateral prefrontal cortex interested in abstract words? Convergent neuropsychological and rTMS evidence**

Paul Hoffman, Elizabeth Jefferies and Matthew A. Lambon Ralph

^a Neuroscience and Aphasia Research Unit (NARU), University of Manchester

^b Department of Psychology, University of York

10:30 POSTER SESSION (COFFEE)

Exploratory approach to semantic processing during reading: Introducing combined TMS and Eyetracking into neurolinguistic research

Imke Franzmeier, Sam Hutton & Evelyn Ferstl

University of Sussex, University of Freiburg

Heterogeneity of the left temporal lobe in semantic representation and control: Priming multiple vs. single meanings of ambiguous words

Carin Whitney, ¹Elizabeth Jefferies, ²Tilo Kircher

¹ University of York; ² University Marburg, Germany

Using in vivo probabilistic tractography to reveal connectivity and parcellation of the human inferior parietal cortex

Lauren Cloutman, Richard Binney, David Morris, Geoffrey Parker, and Matthew A. Lambon Ralph;

University of Manchester

Why is a word a word? Investigating interactive processing in the word recognition network

Gemma Evans, Matthew A. Lambon Ralph & Anna Woollams; University of Manchester

Listening to intelligible but degraded speech increases the strength of feed forward and feed backward connections between the left anterior and posterior superior temporal sulcus

Samuel Evans¹, Carolyn McGettigan¹, Alex P Leff¹, Stuart Rosen¹, Zarinah K Agnew¹, Poonam Shah¹, Sophie K Scott¹; ¹University College London.

Why white matter matters in understanding chronic stroke aphasia: Evidence from tractography

Rebecca Butler, Anna Woollams, Karl Embleton, Geoffrey Parker, and Matthew Lambon Ralph

University of Manchester

Neuropsychological and spontaneous speech assessment of syntactic function in Primary Progressive Aphasia

Seyed A Sajjadi, Karalyn Patterson, Peter J Nestor

Language and Memory Group, University of Cambridge

Near and far space attention: A VBM correlation study

Lina Aimola^{1,2}, Igor Schindler², Anna Maria Simone³, William J McGeown², Annalena Venneri^{2,4}; ¹University of Durham, UK, ²University of Hull, UK, ³University of Modena and Reggio Emilia, Italy, ⁴San Camillo Hospital (IRCCS), Venice, Italy

Differentiating subitizing and counting: a voxel based correlational study

Nele Demeyere, Pia Rotshtein & Glyn W. Humphreys

School of Psychology; University of Birmingham

Exploring the temporal and spatial characteristics of auditory word comprehension using EEG

Ajay Halai, Stephen Welbourne, Laura Parkes, & Geoffrey Parker. University of Manchester

11:30 Do scholastic difficulties in children with early cerebellar injury arise from specific or general impairments?

Emma E. Davis¹, Nicola J. Pitchford^{1}, & David Walker^{1,2}*

¹University of Nottingham; ²Queen's Medical Centre

12.00 What can making funny faces tell us about language? Developmental and Neural Correlates of Oral Motor Control and Vocabulary

Saloni Krishnan¹, Robert Leech², Frederic Dick¹, Annette Karmiloff-Smith¹

¹ Centre for Brain and Cognitive Development, Birkbeck, ² Imperial College London

12.30 AGM

13:00 LUNCH

14:00 Confabulation reflects a pathological functioning of temporal consciousness: A case study

Valentina La Corte^{1, 2, 3}, Nathalie George^{1, 2, 3}, Pascale Pradat^{1, 2, 3, 4}, Gianfranco Dalla Barba^{1, 2, 3, 5, 6}

1. Université Pierre et Marie Curie-Paris6, Centre de Recherche de l'Institut du Cerveau et de la Moelle épinière, UMR-S975, Paris, France, 2. Inserm, U975, Paris, France, 3. Cnrs, UMR 7225, Paris, France, 4.AP-HP, Hôpital de La Pitié-La Salpêtrière, Service de médecine physique et de réadaptation, Paris, France 5.AP-HP, Hôpital Henri Mondor, Service de Neurologie, Créteil, France, 6.Dipartimento di Psicologia, Università degli Studi di Trieste, Italy

14:30 Functional neuro-anatomy of self-awareness in Alzheimer disease and Mild cognitive impairment

Giovanna Zamboni^{1,2}, Erin Drazich¹, Ellen McCullogh¹, Irene Tracey², Gordon Wilcock¹

¹Oxford Project to Investigate Memory and Ageing (OPTIMA), Nuffield Department of Clinical Medicine, University of Oxford, UK; ²FMRIB Centre, University of Oxford, UK

ELIZABETH WARRINGTON PRIZE LECTURE

15:00 The affective neuropsychology of confabulation and anosognosia

Katerina Fotopoulou, King's College London

16:00 CLOSE

BNS Autumn Meeting 2011

Wednesday and Thursday, 2nd - 3rd November

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

“As big a Threat as Global Warming’: Can Neuropsychology help delay Cognitive Ageing?”
Ian Robertson (Institute of Neuroscience, Trinity College Dublin); Freda Newcombe Lecture

“Executive Functions: Divide and Conquer?”

John Duncan and **Tim Shallice** will participate in the John Marshall Memorial Debate

Symposium: *“The Challenge of Early Diagnosis of Alzheimer’s Disease and other Dementias: Neuroimaging and Neuropsychological Strategies”* organised by **Dennis Chan** with speakers to include: