



JOINT MEETING OF THE BRITISH NEUROPSYCHOLOGICAL SOCIETY
with THE BRITISH PSYCHOLOGICAL SOCIETY'S
DIVISION OF NEUROPSYCHOLOGY

Thursday 16th – Friday 17th March 2017

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

Online Registration and Payment:

To help us organise the catering, please let us know if you intend to come to the meeting. This applies both to members and non-members. Simply fill in the form here:

<http://www.the-bns.org/registration.html>

The meeting is FREE for members of the BNS. Non-members are requested to pay in advance preferably using PayPal (at the link above) or by cheque payable to 'British Neuropsychological Society' and sent to Dr Sarah E. MacPherson, Department of Psychology, The School of Philosophy, Psychology and Language Sciences, University of Edinburgh, 7 George Square, Edinburgh, EH8 9JZ; sarah.macpherson@ed.ac.uk). The cost is £10/€12 for students and unwaged participants, £20/€24 for all others. Early registration closes two weeks prior to the meeting but you can also pay on the door (at the higher rate of £15/€25).

Conference Meal

Will take place on Thursday 16th March at 8pm at [Karlo Restaurant](#), 23-27 Euston Rd, London NW1 2SD. Cost: £40/€48 or £30/€36 (students or unwaged) including drinks. Payable using PayPal (via BNS website) or cheque (to "British Neuropsychological Society") to Dr Sarah MacPherson, BNS Treasurer, Department of Psychology, School of Philosophy, Psychology and Language Science, University of Edinburgh, 7 George Street, Edinburgh, EH8 9JZ. Email: sarah.macpherson@ed.ac.uk. Deadline to register for the meal: Wednesday 1st March

Abstracts

Abstracts for all presentations at <http://www.the-bns.org/meetings.html>

PROGRAMME

Thursday 16th March

9.00 **REGISTRATION OPENS**

9.50 **Welcome**

From Julie Snowden (*President, BNS*)

10.00 **Talking with hands: body representation in British Sign Language signers**

Anna Sedda¹, Francesca G. Magnani^{1,2}, Cristian Colzi¹, Graham Turner³, Maria Garraffa¹
¹ *Psychology Department School of Social Sciences Heriot Watt University UK*, ² *Psychology Department University of Pavia Italy*, ³ *Dept. of Languages & Intercultural Studies School of Social Sciences Heriot Watt University UK*

10.30 **Speech-Gesture Integration in Aphasic and Apraxic Patients**

Anna Krason¹, Gabriella Vigliocco¹, Laurel Buxbaum²
¹ *University College London, London, UK*, ² *Moss Rehabilitation Research Institute, Philadelphia, USA*

11.00 **POSTER SESSION**

with tea and coffee

11.30 **Continuous conceptual integration whilst viewing naturalistic events**

James L. Keidel¹, Christiane S.H. Oedekoven¹, Andreea C. Tut¹, Chris M. Bird¹
¹ *School of Psychology, University of Sussex, UK*

12.00 **“Fly me to the Moon” – Exploring semantic contributions to plausible and implausible event construction in semantic dementia**

Muireann Irish^{1,2}, Annu Mothakunnel¹, John Hodges^{1,2}, Olivier Piguet^{1,2}
¹ *School of Psychology, the University of Sydney, Australia*, ² *Australian Research Council Centre of Excellence in Cognition and its Disorders, Sydney, Australia*

12.30 **A systems-level approach to the semantic network**

Scott L. Fairhall¹
¹ *Center for Mind/Brain Sciences, University of Trento, Italy*

13.00 **LUNCH BREAK & BNS Executive Committee meeting**

Lunch is not provided

14.00 **POSTER SESSION**

14.30 **Dynamic modulation of the semantic network after left or right anterior temporal lobe resection**

Grace E Rice¹, Helen Caswell², Perry Moore³, Paul Hoffman⁴, Matthew A Lambon Ralph¹
¹Neuroscience and Aphasia Research Unit (NARU), University of Manchester, UK, ²Department of Clinical Neuropsychology, Salford Royal Hospital, Manchester, UK, ³The Walton Centre NHS Foundation Trust, Liverpool, UK, ⁴Centre for Cognitive Ageing and Cognitive Epidemiology (CCACE), Department of Psychology, University of Edinburgh, UK

15.00 **Multivariate MEG analysis of visual object naming across the lifespan**

Rose Bruffaerts^{1,2}, Alex Clarke¹, Billi Randall¹, Cam-CAN³, Lorraine K. Tyler¹
¹Centre for Speech, Language and the Brain, Department of Psychology, University of Cambridge, UK; ²Laboratory for Cognitive Neurology, Department of Neurosciences, University of Leuven, BE; ³Cambridge Centre for Ageing and Neuroscience (Cam-CAN), University of Cambridge and MRC Cognition and Brain Sciences Unit, Cambridge, UK

15:30 **Functional compensation in the semantic control system revealed by brain stimulation and stroke aphasia neuroimaging studies**

Glyn Hallam¹, Hannah Thompson², Jonny Smallwood¹, Elizabeth Jefferies¹
¹Department of Psychology, University of York, UK, ²Department of Psychology, University of Surrey, UK

16.00 **POSTER SESSION**
with tea and coffee

16:30 **The Freda Newcombe Lecture**
Matthew Lambon-Ralph

Neuroscience and Aphasia Research Unit (NARU), Division of Neuroscience and Experimental Psychology, School of Biological Sciences, University of Manchester

17:30 **DRINKS RECEPTION** in the foyer, followed by conference meal at Karpo (pre-booking essential)

Friday 17th March

Joint meeting with the BPS Division of Neuropsychology

8.45 **REGISTRATION OPENS**

9.10 **Welcome**

Julie Snowden (*President, BNS*) and Katherine Carpenter (*Chair, BPS Division of Neuropsychology*)

9.20 **Attention and visuo-spatial function in children aged 6-8 years without cerebral palsy, who were cooled for neonatal encephalopathy; preliminary evidence of dorsal stream vulnerability**

James Tonks^{1,2,3}, Richard Lee-Kelland¹, Sally Jary¹, Marianne Thoresen^{1,4}, Frances Cowan¹, Ela Chakkarapani¹

¹ *University of Bristol, Bristol, UK*; ² *University of Lincoln, Lincoln, UK*; ³ *University of Exeter Medical School, Exeter, UK*; ⁴ *University of Oslo, Norway*

9.40 **Temporal information in mild cognitive impairment**

Deborah Talamonti¹, Rebecca Kosciak², Sterling Johnson², Davide Bruno¹

¹ *School of Natural Sciences and Psychology, Liverpool John Moores University, Liverpool, UK*;

² *Wisconsin Alzheimer's Institute, School of Medicine and Public Health, University of Wisconsin- Madison, Madison, WI, USA*

10.00 **POSTER SESSION**

with tea and coffee

JOINT BNS AND DON SYMPOSIUM ON EXECUTIVE FUNCTIONS

10.30 **Sarah MacPherson**

Human Cognitive Neuroscience and Centre for Cognitive Aging and Cognitive Epidemiology, University of Edinburgh, UK

11.00 **Fergus Gracey**

Dept of Clinical Psychology, Norwich Medical School, University of East Anglia, UK

11.30 **Emmanuelle Volle**

FrontLab – Brain and Spine Institute (ICM), Salpêtrière hospital, Paris, France

12.00 **Paul Burgess**

UCL Institute of Cognitive Neuroscience, University College London, UK

12.40 **Discussion**

Chaired by Katherine Carpenter

13.00 **LUNCH BREAK & BNS Annual General Meeting (30 mins)**

Lunch is not provided

14.00 **POSTER SESSION**

14.30 **The Brixton test in frontotemporal dementia**

P. Sulakshana Rao¹, Jennifer M. Harris², Jennifer C. Thompson², Aparna Dutt¹, Julie S. Snowden²

¹ *Neuropsychology and Clinical Psychology Unit, Duttanagar Mental Health Centre, Kolkata, India;* ² *Cerebral Function Unit, Neuroscience Centre, Salford Royal NHS Foundation Trust, Salford and Division of Neuroscience and Experimental Psychology, University of Manchester, Manchester, UK*

14.50 **Investigating the development of executive functions in adolescence**

Thalia E. Theodoraki¹, Sarah McGeown², Sarah E. MacPherson¹

¹ *School of Philosophy, Psychology and Language Sciences, University of Edinburgh, Edinburgh, UK;* ² *Moray House School of Education, University of Edinburgh, Edinburgh, United Kingdom*

15:10 **Executive functioning in non-fluent aphasia**

Luke Kendrick¹, Holly Robson¹, Judi Ellis¹, Lotte Meteyard¹

¹ *School of Psychology and Clinical Language Sciences, University of Reading*

15:20 **The frontal paradox demonstrated in patients with focal neurosurgical prefrontal lesions using virtual reality measurement of multi-tasking**

Tanya Denmark¹, Jessica Fish^{1,2}, Ashok Jansari³, Jignesh Tailor⁴, Keyoumars Ashkan^{1,4}, Robin Morris^{1,5}

¹ *Institute of Psychiatry, Psychology and Neuroscience, Kings College London, UK;* ² *The Oliver Zangwill Centre for Neuropsychological Rehabilitation, Cambridgeshire Community Services NHS Trust, Ely, UK;* ³ *Department of Psychology, Goldsmiths University of London, UK;* ⁴ *Department of Neurosurgery, Kings College Hospital, London, UK;* ⁵ *Department of Clinical Neuropsychology, Kings College Hospital, London, UK*

15:40 **CLOSING REMARKS**

16.00 **CLOSE OF MEETING**

POSTERS

Thursday 16th March

Predicting the pattern and severity of chronic post-stroke language deficits from functionally-partitioned structural lesions

Ajay D. Halai¹, Anna M. Woollams¹, & Matthew A. Lambon-Ralph¹

¹Neuroscience and Aphasia Research Unit, Division of Neuroscience & Experimental Psychology, Faculty of Biology, Medicine and Health, University of Manchester, UK.

Phrase frequency effects in aphasia

C. Heilemann¹, R. Varley¹, V. Zimmerer¹, & S. Beeke¹

¹Department of Language & Cognition, Division of Psychology and Language Sciences, University College London, UK

GABA concentrations in the anterior temporal lobe predict human semantic processing

JeYoung Jung¹, Stephen R. Willimans² & Matthew A. Lambon-Ralph¹

¹Neuroscience and Aphasia Research Unit (NARU), School of Psychological Sciences, University of Manchester, UK. ²Imaging Sciences and Biomedical Engineering, University of Manchester, UK

Behavioural patterns and lesion correlates of noun and verb processing in post-stroke aphasia

Reem S.W. Alyahya^{1,2}, Ajay Halai¹, Paul Conroy¹, Matthew A. Lambon Ralph¹

¹Neuroscience and Aphasia Research Unit, University of Manchester, UK. ²King Fahad Medical City, Saudi Arabia

'Morphemic' intrusion errors during administration of Chinese verbal learning task in patients with Alzheimer's disease

Pei Shi Chia^{1,2}, Sze Yan Tay¹, Lysia Tan¹, Kinjal Doshi¹, Christopher Gabriel¹, Shahul Hameed^{1,2}, Eng King Tan^{1,2}, Simon Kang Seng Tinga²

¹Department of Neurology, Singapore General Hospital, Singapore, ²National Neuroscience Institute, Singapore

Friday 17th March

Mutations in the KCNJ11 gene cause a range of neurodevelopmental phenotypes as well as neonatal diabetes

P.Bowman^{1,2}, M.H.Shepherd^{1,2}, B.A.Knight^{1,2}, E Broadbridge^{3,4}, L Pettit^{3,4}, MC Reville^{3,4}, SE Flanagan¹, TJ Ford¹, AT Hattersley^{1,2}, J Tonks^{3,4}

¹University of Exeter Medical School, Exeter, UK. ²Royal Devon and Exeter NHS Foundation Trust, Exeter, UK. ³University of Exeter Department of Psychology, UK. ⁴Dame Hannah Rogers Trust, Newton Abbot, UK

Reality monitoring in stroke patients unaware of their memory deficits

Silvia Chapman^{1,2,3}, Ayat Abdurahman^{1,3}, Stephanie Cosentino² & Gianna Cocchini^{1,3}

¹Psychology Department, Goldsmiths, University of London, London, UK. ²Cognitive Neuroscience division, Department of Neurology, Columbia University Medical Center, N.Y., USA. ³Department of Neurology, St George's hospital NHS, London, UK

Establishing Effective Neuropsychological Measures in Assessment of Normal Pressure Hydrocephalus

Coman, H.¹, Pengas G. & McCarthy R.A.¹

¹*Department of Neuropsychology, Wessex Neurosciences Centre, Southampton University Hospital NHS Trust, Southampton, UK*

Systematic review of the impact of cognitive impairment on health-related quality of life in people with multiple sclerosis

Graham Cooper¹

¹*Anne Rowling Centre for Regenerative Neurology, University of Edinburgh, UK*

Development of a new screening test to identify emotion recognition problems after brain injury

Jo Howe¹, Tony Ward¹, & Nick Alderman²

¹*Department of Psychology, University of the West of England, Bristol, UK.* ²*Brain Injury Services, Partnerships in Care, Grafton Manor, Grafton Regis, UK and University of the West of England, Bristol, UK.*

Goal maintenance and verbal working memory: The effect of concurrent suppression.

Matthew H. Iveson¹, Yuki Tanida, and Satoru Saito

¹*Department of Psychology, University of Edinburgh, UK*

Eating disorders in musicians: A survey investigating self-reported eating disorders of musicians

Marianna E. Kapsetaki¹, Charlie Easmon¹

¹*Division of Surgery and Interventional Science, Faculty of Medicine, University College London, UK*

Early executive difficulties predict lower levels of participation in personally meaningful activities 6 months after cerebrovascular accident.

Joseph Mole¹, Elitsa D. Slavkova¹, M. Jane Riddoch¹, Nele Demeyere¹

¹*Cognitive Neuropsychology Centre, Department of Experimental Psychology, University of Oxford, UK*

Improving motor function in participants with cerebral palsy, Duchenne muscular dystrophy and Down's syndrome: clinical utility of the virtual-reality, mobile-phone game scenario

Carlos Bandeira de Mello Monteiro¹, Talita Dias da Silva, Lilian Del Ciello de Menezes, Camila Miliani Capelini, Juliana Nobre de Paula, Suzanna Watson & James Tonks

¹*Universidade de São Paulo*

Changes in cognitive function following cardiac resynchronisation therapy (CRT) in heart failure patients

Wade-Brown, L.K.¹, Freeman, C., Smith, L.A., Cowburn, P.J., McCarthy, R.A.¹

¹*Department of Neuropsychology, Wessex Neurosciences Centre, Southampton University Hospital NHS Trust, Southampton, UK*