



The British  
Psychological Society  
Division of Neuropsychology

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

**Thursday 26<sup>th</sup> – Friday 27<sup>th</sup> April 2018**

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](mailto:sarah.macpherson@ed.ac.uk)). The cost is £15/€17 for students and unwaged participants, £25/€30 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 £20/€30).

**Conference Meal**

Will take place on Thursday 26<sup>th</sup> April at 7pm at [Karpo 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](mailto:sarah.macpherson@ed.ac.uk). Deadline to register for the meal: 15<sup>th</sup> April

**Abstracts**

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

## PROGRAMME

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Thursday 26<sup>th</sup> April

9.00 **REGISTRATION OPENS**

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9.20 **Welcome**

From Julie Snowden (*President, BNS*)

9.30 **Right, but Not the Left Prefrontal Cortex is Necessary for the Suppression of Unwanted Memories**

S. Shanker <sup>1,2,3</sup>, O. H. Turnbull <sup>2</sup>, M. R. Bracewell <sup>2</sup>, T. Das <sup>4</sup>, M. C. Anderson <sup>1</sup>

<sup>1</sup> MRC Cognition and Brain Sciences Unit, Cambridge, UK; <sup>2</sup> School of Psychology, Bangor University, North Wales, UK; <sup>3</sup> Department of Psychology, Bournemouth University, UK; <sup>4</sup> Radiology Department, Addenbrookes Hospital, Cambridge University Hospitals NHS Trust

9.50 **Semantic and episodic memory: shared mechanisms support controlled retrieval of representations. Evidence from neuropsychology**

S. Stampacchia <sup>1</sup>, H. E. Thompson <sup>1,2</sup>, E. Ball <sup>1</sup>, U. Nathaniel <sup>1</sup>, G. Hallam <sup>1,3</sup>, J Smallwood <sup>1</sup>, M. A. Lambon Ralph <sup>4</sup>, E. Jefferies <sup>1</sup>

<sup>1</sup> Department of Psychology, University of York, UK; <sup>2</sup> School of Psychology, University of Surrey, UK; <sup>3</sup> School of Human and Health Sciences, University of Huddersfield, UK; <sup>4</sup> Neuroscience and Aphasia Research Unit (NARU), Division of Neuroscience & Experimental Psychology, School of Biological Sciences, University of Manchester, UK

10.10 **Neural Correlates of the Representational Richness and Context-Driven Diversity of Word Meaning**

R. J. Binney <sup>1</sup>, P. Hoffman <sup>2</sup>, M. A. Lambon Ralph <sup>3</sup>

<sup>1</sup> School of Psychology, Bangor University; <sup>2</sup> School of Philosophy, Psychology and Language, University of Edinburgh; <sup>3</sup> Neuroscience and Aphasia Research Unit, University of Manchester

10.30 **Mapping Lesion Structure with Behaviour Structure in Stroke Aphasia**

Y. Zhao <sup>1</sup>, A. D. Halai <sup>1</sup>, M. A. Lambon Ralph <sup>1</sup>

<sup>1</sup> Neuroscience and Aphasia Research Unit, School of Biological Sciences, University of Manchester

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10.50 **POSTER SESSION**

with tea and coffee

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11.20 **An unusual case of temporal-lobe necrosis: impact on semantic and episodic memory**

J. A. Foley <sup>1,2</sup>, D. Caine <sup>1</sup>, J. Rees <sup>2,3</sup>, K. Patterson <sup>4,5</sup>

<sup>1</sup> Department of Neuropsychology, National Hospital of Neurology and Neurosurgery, Queen Square, London; <sup>2</sup> Institute of Neurology, UCL, Queen Square, London; <sup>3</sup> Department of Neuro-oncology, National Hospital, Queen Square, London; <sup>4</sup> MRC Cognition and Brain Sciences Unit, Cambridge; <sup>5</sup> Department of Clinical Neurosciences, University of Cambridge, Cambridge.

11.50 **The role of event boundaries in the encoding of naturalistic events**

A. Ben-Yakov<sup>1</sup>, R. N. Henson<sup>1</sup>

<sup>1</sup> *MRC Cognition and Brain Sciences Unit, Cambridge*

12.10 **The MNESIS model: memory systems and their reciprocal relations**

A. Viard<sup>1</sup>, F. Eustache<sup>1</sup>, B. Desgranges<sup>1</sup>

<sup>1</sup> *Normandie Univ, UNICAEN, PSL Research University, EPHE, INSERM, U1077, CHU de Caen, Neuropsychologie et Imagerie de la Mémoire Humaine, 14000 Caen, France*

12.30 **States of motivation prioritise hippocampal dynamics during learning and consolidation**

M. J. Gruber<sup>1</sup>

<sup>1</sup> *Cardiff University Brain Research Imaging Centre (CUBRIC), Cardiff University*

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

Lunch is not provided

13.30 **POSTER SESSION**

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**SYMPOSIUM ON “KNOWLEDGE AND MEMORY IN THE BRAIN”**

14.00 Neurocognitive networks supporting episodic and semantic memory

**Prof Kim Graham**

*Cardiff University Brain Research Imaging Centre, School of Psychology, Cardiff University*

14.30 Personal Semantics: (Potentially more than) the intersection of semantic and episodic memory

**Dr Louis Renoult**

*School of Psychology, University of East Anglia*

15.00 Memory formation and coding in the human hippocampus

**Prof Rodrigo Quain Quiroga**

*Centre for Systems Neuroscience, University of Leicester*

15.30 Discussion

Chaired by **Prof Martin A. Conway**

*Department of Psychology, City, University of London*

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15.45 **BREAK**

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**THE FREDA NEWCOMBE LECTURE**

16.00 Anomalies of Autobiographical Memory

**Prof Michael Kopelman**

*Kings College London*

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17:00 **DRINKS RECEPTION** in the Old Board Room, The National Hospital, followed by  
**CONFERENCE MEAL** at Karpo at 7.00pm (pre-booking essential)

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Friday 27<sup>th</sup> April

Joint meeting with the BPS Division of Neuropsychology

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8.45 **REGISTRATION OPENS**

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9.00 **Welcome**

From Julie Snowden (*President, BNS*) and Katherine Carpenter (*Chair, DoN*)

9.10 **Mobile Technology as Cognitive-Behavioral Aids for Workers with Autism: Results and Practical Applications from a Community-Based Randomized Controlled Trial**

T. Gentry <sup>1</sup>

<sup>1</sup> *Assistive Technology for Cognition Laboratory, Department of Occupational Therapy, Virginia Commonwealth University, Richmond, VA, USA*

9.30 **Subarachnoid Haemorrhage of Unknown Origin: A Mixed-Method Approach and Systematic Review**

T. Burke <sup>1,2,3</sup>, A. Carr <sup>3</sup>, S. Hughes <sup>1,3</sup>, M. Javadpour <sup>1,2</sup>, N. Pender <sup>1,2</sup>

<sup>1</sup> *Beaumont Hospital, Dublin, Ireland*; <sup>2</sup> *Academic Unit of Neurology, Trinity College Dublin, Ireland*; <sup>3</sup> *School of Psychology, University College Dublin, Dublin, Ireland*

9.50 **Acute dopamine replacement therapy withdrawal disrupts working memory for facial expression of anger in Parkinson's disease patients**

Z. Moradi <sup>1</sup>, S. J. Fallon <sup>1</sup>, M. Husain <sup>1,2</sup>

<sup>1</sup> *Department of Experimental Psychology, University of Oxford, Oxford*, <sup>2</sup> *Nuffield Department of Clinical Neurosciences, John Radcliffe Hospital, Oxford*

10.10 **A reading app to improve ease of reading in posterior cortical atrophy**

I. Pavisic <sup>\*1</sup>, D. Ocal <sup>\*1</sup>, A. Peacock <sup>1</sup>, K. X. X. Yong <sup>1</sup>, M. Naessens <sup>1</sup>, C. R. Butler <sup>2</sup>, S. Ahmed <sup>2</sup>, A. P. Leff <sup>3,4</sup>, S. J. Crutch <sup>1</sup>, A. Suárez-González <sup>1</sup>

<sup>1</sup> *Dementia Research Centre, Institute of Neurology, University College London, London*; <sup>2</sup> *Nuffield Department of Clinical Neurosciences, University of Oxford, John Radcliffe Hospital, Oxford*; <sup>3</sup> *Institute of Cognitive Neurosciences, University College London*; <sup>4</sup> *Department of Brain Repair & Rehabilitation, Institute of Neurology, University College London*; <sup>\*</sup> *joint 1st authors*

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10.30 **POSTER SESSION**

with tea and coffee

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**JOINT BNS AND DON SYMPOSIUM "The future transformation of neuropsychology: conceptual, practical and ethical issues"**

11.00 Future IT approaches to neuropsychology screening

**Dr Tom Manly**

*Medical Research Council Cognition & Brain Sciences Unit, University of Cambridge, Cambridge*

- 11.30 Digital health technology for neuropsychological rehabilitation: the future  
**Prof Jonathan Evans**  
*Institute of Health and Wellbeing , University of Glasgow, Glasgow*
- 12.00 Ethical issues and Robotic or Artificial Intelligence Care for People with Neuropsychological Conditions  
**Prof Robin Morris**  
*Department of Psychology, King's College London, Institute of Psychiatry, Psychology, and Neuroscience, London*
- 12.30 A third-wave approach to neuropsychological rehabilitation of confabulation  
**Dr Jessica Fish**  
*Institute of Psychiatry, Psychology and Neuroscience , Kings College London, London*
- 13.00 **Discussion**  
Chaired by **Jessica Fish** and **Robin Morris**
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13.15 **LUNCH BREAK AND POSTERS**  
Lunch is not provided

14.15 **BNS Annual General Meeting (POSTERS for non-BNS members)**

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14.40 **Plasticity versus chronicity: 40 years stability of perceptual and cognitive impairment after encephalitis**  
E. de Haan <sup>1</sup>, N. Seijdel, R. Kentridge, C. Heywood  
<sup>1</sup> *Department of Psychology, University of Amsterdam, Nieuwe Achtergracht 129-B, 1018 WT, Amsterdam, The Netherlands*

15.00 **Neuropsychological Assessment of Dementia: more than just test scores**  
J. Snowden<sup>1</sup>,  
<sup>1</sup> *Cerebral Function Unit, Greater Manchester Neuroscience Centre, Salford Royal NHS Foundation Trust and Division of Neuroscience and Experimental Psychology, University of Manchester*

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15.20 **BREAK**

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## **KEYNOTE LECTURE**

15.30 Learning from the past and planning for the future  
**Prof Barbara Wilson**  
*The Oliver Zangwill Centre for Neuropsychological Rehabilitation, Ely, UK*

16.15 Discussion and concluding remarks

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16.30 **CLOSE OF MEETING**

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## POSTER PRESENTATIONS

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Thursday 26<sup>th</sup> April

### **Aberrant hippocampal resting-state functional connectivity explains amnesia following limbic encephalitis**

*Georgios P. D. Argyropoulos<sup>1</sup>, Clare Loane<sup>1,2</sup>, Adriana Roca-Fernandez<sup>1</sup>, Christopher R. Butler<sup>1</sup>*

<sup>1</sup> Nuffield Department of Clinical Neurosciences, University of Oxford, Oxford, UK; <sup>2</sup> UCL Institute of Cognitive Neuroscience, London, UK

### **Cerebellar structural and functional abnormalities in hippocampal atrophy due to limbic encephalitis**

*Georgios P. D. Argyropoulos<sup>1</sup>, Clare Loane<sup>1,2</sup>, Adriana Roca-Fernandez<sup>1</sup>, Christopher R. Butler<sup>1</sup>*

<sup>1</sup> Nuffield Department of Clinical Neurosciences, University of Oxford, Oxford, UK; <sup>2</sup> UCL Institute of Cognitive Neuroscience, London, UK

### **The contribution of the left angular gyrus in combinatorial processes during narrative reading**

*Francesca M. Branzi<sup>1</sup>, Gorana Pobric<sup>1</sup>, JeYoung Jung<sup>1</sup>, Matthew A. Lambon-Ralph<sup>1</sup>*

<sup>1</sup> Neuroscience and Aphasia Research Unit (NARU), Division of Neuroscience and Experimental Psychology, University of Manchester, Manchester, UK

### **The Interplay of Episodic and Semantic Memory in Stroke Aphasia**

*Lucy Cogdell-Brooke<sup>1</sup>, Sara Stampacchia<sup>2</sup>, Paul Sowden<sup>1</sup>, Hannah E. Thompson<sup>1</sup>.*

<sup>1</sup> School of Psychology, University of Surrey, UK; <sup>2</sup> Department of Psychology and York Neuroimaging Centre, University of York, UK

### **Autobiographically Significant Concepts within Older and Younger Adults**

*Rachel J. Lambert<sup>1</sup>, Michael Hornberger, Louis Renault<sup>1</sup>*

<sup>1</sup> School of Psychology, University of East Anglia

### **Recollection and familiarity following limbic encephalitis: a case study**

*Kata Pauly-Takacs<sup>1</sup>, Lara Charlesworth<sup>2</sup>, Chris Moulin<sup>3</sup>*

<sup>1</sup> Leeds Beckett University, UK; <sup>2</sup> King's College London, UK; <sup>3</sup> Université Grenoble Alpes, France

### **Allocentric spatial memory performance predicts intrusive memory severity in posttraumatic stress disorder**

*Anika Sierk<sup>1,2</sup>, Antje Manthey<sup>1</sup>, John King<sup>2,3</sup>, Chris R. Brewin<sup>3</sup>, James Bisby<sup>2</sup>, Henrik Walter<sup>1</sup>, Neil Burgess<sup>2</sup>, Judith K. Daniels<sup>4,5</sup>*

<sup>1</sup> Charité – Universitätsmedizin Berlin, Germany, <sup>2</sup> Institute of Cognitive Neuroscience, University College London, <sup>3</sup> Research Department of Clinical, Educational and Health Psychology, University College London, <sup>4</sup> Department of Clinical Psychology, University of Groningen, Groningen, The Netherlands. <sup>5</sup> Psychologische Hochschule Berlin, Germany

### **Feature-weighted retrieval of memories with affective content**

*Matthew Spriggs<sup>1</sup>, Louis Renault<sup>1</sup>*

<sup>1</sup> School of Psychology, University of East Anglia



## Overnight memory consolidation of foreign language vocabularies in children

Sean Tan <sup>1,2</sup>, Anna Smith <sup>2</sup>, Deb Pal <sup>2</sup>

<sup>1</sup> Queen's University Belfast; <sup>2</sup> King's College London

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Friday 27<sup>th</sup> April

### The downsized hand in Personal Neglect

Pietro Caggiano <sup>1</sup>, Laura Mora <sup>1</sup>, Laura Veronelli <sup>2</sup>, Lisa S. Arduino <sup>3</sup>, Antonella Maritato <sup>3</sup>, Gianna Cocchini <sup>1</sup>

<sup>1</sup> Goldsmiths University of London; <sup>2</sup> Department of Neurorehabilitation Sciences, Casa di Cura del Policlinico, Milan; <sup>3</sup> Department of Human Sciences, LUMSA University and ISTC-CNR Rome

### Behavioural comparison of primary progressive aphasia and post-stroke aphasia using principal components analysis

Ruth Ingram <sup>1</sup>, Ajay Halai <sup>1</sup>, Gorana Pobric <sup>1</sup>, Seyed Ahmad Sajjadi <sup>2</sup>, Karalyn Patterson <sup>3</sup>, Matt Lambon Ralph <sup>1</sup>

<sup>1</sup> Neuroscience and Aphasia Research Unit, School of Biological Sciences, University of Manchester, UK; <sup>2</sup> Department of Neurology, University of California, Irvine, Irvine, USA; <sup>3</sup> Department of Clinical Neurosciences, University of Cambridge & MRC Cognition & Brain Sciences Unit, Cambridge, UK

### Enhancing semantic performance with repetitive transcranial magnetic stimulation over the anterior temporal lobe: frequency- and task- specific effects

JeYoung Jung <sup>1</sup>, Matthew A. Lambon Ralph <sup>1</sup>

<sup>1</sup> Neuroscience and Aphasia Research Unit (NARU), Division of Neuroscience & Experimental Psychology, School of Biological Sciences, University of Manchester, UK

### The Angela Project: Improving diagnosis of young onset dementia

Mary O'Malley <sup>1</sup>, Jacqueline Parkes <sup>1</sup>, Vasileios Stamou <sup>2</sup>, Jenny La Fontaine <sup>2</sup>, Jan Oyebode <sup>2</sup>, Bridget Jones <sup>3</sup>, Heather Gage <sup>3</sup>, Janet Carter <sup>4</sup>

<sup>1</sup> University of Northampton's Dementia Research and Innovation Centre (NDRIC), University of Northampton; <sup>2</sup> Centre for Applied Dementia Studies, Faculty of Health Studies, University of Bradford; <sup>3</sup> Surrey Health Economics Centre, University of Surrey; <sup>4</sup> Division of Psychiatry, Faculty of Brain Sciences, University College London

### Multidimensionality of stroke aphasia extended – more attention to executive functions

Rahel Schumacher <sup>1</sup>, Matthew Lambon Ralph <sup>1</sup>

<sup>1</sup> Neuroscience and Aphasia Research Unit, Division of Neuroscience and Experimental Psychology, School of Biological Sciences, Faculty of Biology, Medicine and Health, University of Manchester, Manchester, United Kingdom