



Autumn meeting in memory of Prof. Glyn Humphreys

Wednesday 26th – Thursday 27th October 2016

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

This Autumn BNS meeting is dedicated to the memory of Prof. Glyn Humphreys (1954-2016). Glyn was an inspirational scientist who had a major influence on neuropsychology in the UK and beyond. He was a tireless supporter of the BNS and was our President from 2012-2014. This meeting offers us the opportunity to celebrate Glyn's contribution to science and the many careers he influenced through his enthusiasm and support for young scientists.

BNS President



Online Registration and Payment

To help us organise the catering, please register for the meeting in advance. 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 for students and unwaged participants, £20 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 Wednesday 26th October at 7:30pm at [Karpo Restaurant](#), 23-27 Euston Rd, London NW1 2SD. Cost: £40 including drinks (discounted rate of £30 for students or unwaged). To attend the meal, you must register and pay before 12th October. You can pay preferably using PayPal (via the BNS website) or alternatively by cheque (to "British Neuropsychological Society") to Dr Sarah MacPherson, BNS Treasurer, Department of Psychology, School of Philosophy, Psychology and Language Sciences, University of Edinburgh, 7 George Street, Edinburgh, EH8 9JZ. Email: sarah.macpherson@ed.ac.uk.

Wifi

The *Eduroam* network is available in the building. If you have access to Eduroam through your home institution, this is the easiest method for accessing the internet. You should be able to connect using your usual login credentials – check with your institution for full instructions. Alternatively, you can connect to the *UCLGuest* network. If you open a web browser, you will be redirected to the welcome page, where you should enter your personal details and the Event Code: **bns**. This will allow you to generate a username and password, which you can use for the duration of the conference.

Cloakroom

You are welcome to leave coats and bags in the cloakroom next to the registration desk. Please note that this area is not staffed during talks or lunch and all items are left at the owner's risk. You are advised to keep valuable items on your person.

Abstracts

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

Sponsorship

Cortex, published by Elsevier, is pleased to support the autumn BNS meeting.
To find out more about the journal and how to submit please visit:
www.journals.elsevier.com/cortex.



PROGRAMME

Wednesday 26th October

9.00 REGISTRATION OPENS

9.50 **Welcome**

Julie Snowden, BNS President

10.00 **Prof Humphreys' legacy in cognitive neuropsychology and its applications: Past, present and future**

Nele Demeyere

Department of Experimental Psychology, University of Oxford

10.40 **The interaction of the self and executive control in neuropsychological patients**

Jie Sui

Department of Experimental Psychology, University of Oxford

11.00 **Alexithymia, not autism, is associated with impaired interoception**

Punit Shah^{1,2*}, Richard Hall^{1,2}, Michel-Pierre Coll¹, Neharika Nair¹, Caroline Catmur³, & Geoffrey Bird^{1,4*}

¹MRC Social, Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Psychology and Neuroscience, King's College London, ²Department of Psychological Sciences, Birkbeck College, ³Department of Psychology, Institute of Psychiatry, Psychology and Neuroscience, King's College London, ⁴Institute of Cognitive Neuroscience, University College London

11.20 **POSTER SESSION A**

with tea and coffee

12.00 *Keynote lecture*

Understanding functional specialisation in cognition and neural structure

Cathy Price

University College London

1.00 LUNCH BREAK

Lunch is not provided

2.20 **Data driven approach for function lesion mapping**

Pia Rotshtein

School of Psychology, University of Birmingham

2.40 **Impaired attentional networks in hemispatial neglect**

Laura E. Hughes^{1,2}, Anne Aimola Davies^{3,4}

¹Department of Clinical Neurosciences, University of Cambridge, ²Medical Research Council Cognition and Brain Sciences Unit, Cambridge, ³Department of Psychology, University of Oxford, ⁴Research School of Psychology, The Australian National University

3.00 **The effect of Computerized Progressive Attentional Training (CPAT) on sustained attention in adults with ADHD**

Lilach Shalev^{1,2}, Pnina Stern¹, Daniel Rimon², & Shlomit Tsafir³

¹School of Education, Tel-Aviv University, Israel, ²School of Neuroscience, Tel-Aviv University, Israel, ³Clalit Medical Healthcare, Israel

3.20 **The effect of a salient disfiguring feature on overt and covert attention to faces**

Luc Boutsen, Nathan Pearson, Martin Jüttner

Department of Psychology, Aston University, Birmingham

3.40 **POSTER SESSION B**

with tea and coffee

4.20 **Exploring the role of affordances in movement planning after stroke: an insight into Limb Apraxia**

Elisabeth Rounis¹, Gloria Pizzamiglio², Zuo Zhang³, Dante Mantini⁴

¹Nuffield Department of Clinical Neurosciences, University of Oxford, ²Wellcome Centre for Neuroimaging, University College London, ³Department of Computer Science and Technology, Tongji University, Shanghai, China, ⁴Research Centre for Motor Control and Neuroplasticity, KU Leuven, Belgium

4.40 **Rapid forgetting in working memory in disease**

Nahid Zokaei

Affiliations TBC

5.00 *Keynote lecture*

Attentional episodes and cognitive control

John Duncan

MRC Cognition and Brain Sciences Unit, Cambridge & Department of Experimental Psychology, University of Oxford

6.00 DRINKS RECEPTION *in the foyer*

followed by conference meal at Karpo (meal must be booked by 12th October at the latest)

Thursday 27th October

8.30 REGISTRATION OPENS

9.00 *Keynote lecture*
Seeing, doing and knowing
Vicki Bruce
Newcastle University

10.00 **Objects in vision and touch**
Rebecca Lawson & Stefano Cecchetto
University of Liverpool

10.20 **POSTER SESSION C**
with tea and coffee

11.00 **CVIT 3-6, a screening test for cerebral visual impairment in young children**
Kathleen Vancleef^{1,2}, Els Ortibus^{3,4}, Eva Janssens³, Silke Bäumer¹, Yasmine Petré¹ & Johan Wagemans¹
¹ Faculty of Psychology and Educational Sciences, Laboratory of Experimental Psychology, University of Leuven, Belgium, ²Institute of Neuroscience, Newcastle University, ³Faculty of Medicine, Department of Development and Regeneration and Department of Biomedical Sciences, University of Leuven, Belgium, ⁴Centre For Developmental Disabilities, Leuven, Belgium

11.20 **Paired-object affordance affects motor cortex excitability**
Melanie Wulff¹, Joseph Michael Galea¹, Glyn W. Humphreys², & Pia Rotshtein¹
¹School of Psychology, University of Birmingham, ²Department of Experimental Psychology, University of Oxford

11.40 **Object affordances and attention**
Sanjay Kumar
Oxford Brookes University

12.00 Presentation of the *BNS Undergraduate Project Prize* to Rachael Hastie

Followed by LUNCH BREAK
Lunch is not provided

1.20 **Nosing around olfaction: Investigating memory and sense of smell in Transient Epileptic Amnesia**

Sharon Savage¹, Chris Butler², Fraser Milton³, Yang Han⁴, Adam Zeman¹

¹*Cognitive & Behavioural Neurology, University of Exeter Medical School*, ²*Nuffield Department of Clinical Neurosciences, University of Oxford*, ³*Discipline of Psychology, University of Exeter, Exeter*, ⁴*Health Statistics, University of Exeter Medical School*

1.40 **Varying the degree of motion in actions influences gestural action depictions in Parkinson's disease**

Ellen Poliakoff¹, Stacey Humphries^{1,2}, Trevor Crawford³, Judith Holler⁴

¹*University of Manchester*, ²*University of Pennsylvania*, ³*University of Lancaster*, ⁴*Max Planck Institute for Psycholinguistics, Nijmegen*

2.00 **Formal statistical models in neuropsychology**

Andrew Olson¹ and Cristina Romani²

¹*The University of Birmingham*, ²*Aston University*

2.20 **POSTER SESSION D**

with tea and coffee

3.00 *Keynote lecture*

Trouble seeing it your way: On the nature of perspective taking deficits

Dana Samson

Université Catholique de Louvain

4.00 CLOSE OF MEETING

The Spring BNS meeting will take place on

Thursday 16th – Friday 17th March 2017

at

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

Highlights will include the *Freda Newcombe Prize Lecture*
delivered by Prof. Matt Lambon Ralph

Further details will be announced on the BNS website and by email to members in due course

LIST OF POSTERS

Session A

Social cognition post brain injury: Impact of theory of mind impairment on socialization outcome

Eiman H. Alismail, Saeed Al Zahrani, Jiri Pazdirek, Mohammed Si Larabi, Fadi Abdulaziz
Affiliations TBC

Pain and social interactions: An arctic expedition

Per Block^{1*}, Lauren C Heathcote^{2*} & Stephanie Burnett Heyes^{3*}

¹ *Department of Humanities, Social and Political Science, ETH Zurich, Switzerland,* ² *Department of Experimental Psychology, University of Oxford,* ³ *School of Psychology, University of Birmingham*

* denotes equal contribution

The power of self-reference in action: Prioritized processing of self-relevant stimuli extends from perception to response execution

Clea Desebrock
University of Oxford

Self and team prioritisation effects in perceptual matching: Evidence for a shared representation

Florence Enock
University of Oxford

What's yours may be mine: Differential correlation between psychopathy traits and self, friend and other learned relations to neutral shapes in a matching task

John Hodsoll
Kings College London

Compensation in Autism Spectrum Disorder: The mismatch between social cognition and behaviour

Livingston, L.A.¹, Colvert, E.¹, Bolton, P.², & Happé, F¹

¹ *MRC Social, Genetic, & Developmental Psychiatry Centre, Institute of Psychiatry, Psychology, & Neuroscience, King's College London,* ² *Department of Child and Adolescent Psychiatry, Institute of Psychiatry, Psychology, & Neuroscience, King's College London*

Neurobehavioural characteristics of limbic encephalitis associated with voltage-gated potassium channel complex antibodies

Clare Loane, Adriana Roca-Fernandez, Christopher R Butler
Memory Research Group, Nuffield Department of Clinical Neurosciences, University of Oxford

Mental arithmetic shifts spatial attention: Evidence from a temporal order judgement task

Masson, N., Andres, M., Alsamour, M., & Pesenti, M.
Institut de Recherche en Sciences Psychologiques and Institute of Neuroscience, Université catholique de Louvain, Louvain-la-Neuve, Belgium

Exploring the role of the right inferior frontal gyrus in visual perspective taking using transcranial direct current stimulation

Meurrens, Sabine¹, George, Amandine¹, Vandermeeren, Yves^{1,2}, & Samson, Dana¹
¹ *Université catholique de Louvain (UCL), Belgium,* ² *CHU UCL Namur (-Godinne), Neurology Department, NeuroModulation Unit (NeMU) Belgium*

Towards social neuropsychology: Introducing OCS-Social

Zargol Moradi, Patricia Lockwood, Molly Crockett, Masud Husain and Glyn Humphreys
Department of Experimental Psychology, University of Oxford

Counterintuitive Moral Judgement following Traumatic Brain Injury

Dane A. Rowley¹, Miles Rogish², Timothy Alexander¹ and Kevin J. Riggs³

¹*Clinical Psychology Programme, University of Hull*, ²*Brain Injury Rehabilitation Trust, The Disabilities Trust, West Sussex*, ³*Department of Psychology, University of Hull*

Session B

Space perception in children with cerebral palsy: A deficit of hemineglect or executive function?

Marie Alsamour^{1,2,3}, Vincenza Montedoro^{1,2,3}, Anne Renders⁴, Thierry Lejeune^{3,4}, Gaëtan Stoquart^{3,4} and Martin Gareth Edwards^{1,2,3}

¹*Institute for Research in Psychological Science, Université catholique de Louvain, Belgium*, ²*Institute of Neurosciences, Université catholique de Louvain*, ³*Louvain Bionics, Université catholique de Louvain*, ⁴*Physical Medicine and Rehabilitation, Cliniques universitaires Saint-Luc, Brussels*

Temporal orienting of attention in patients with basal ganglia damage

Chauvin, J.J.^{1,2}, Humphreys, G.W.², Nobre, A.C.^{1*}, &, Gillebert, C.R.^{1,2*}

¹*Department of Experimental Psychology, Brain and Cognition Laboratory, University of Oxford*,

²*Department of Experimental Psychology, Oxford Cognitive Neuropsychology Centre, University of Oxford*

*Anna C. Nobre and Celine R. Gillebert share last authorship on this work.

Neuromodulation of inhibition skills in binge drinking

Valérie Dormal, Séverine Lannoy, Fabien D'hondt & Pierre Maurage

Laboratory for Experimental Psychopathology (LEP), Université catholique de Louvain, Louvain-la-Neuve, Belgium

Deficit in feature-based attention following a left thalamic lesion

Sofia Finsterwalder^{1,2}, Nele Demeyere¹ & Celine R. Gillebert^{1,2}

¹*Oxford Cognitive Neuropsychology Centre, Department of Experimental Psychology, University of Oxford, Oxford*, ²*Laboratory of Experimental Psychology, Department of Brain & Cognition, University of Leuven, Belgium*

Post-stroke deficits in attention and working memory: Prevalence and impact on sub-acute and long term functional status

Rachel L. King¹, Méadhbh Brosnan^{1,2}, Glyn W. Humphreys¹ and Nele Demeyere¹

¹*Department of Experimental Psychology, University of Oxford*, ²*Trinity College Institute of Neuroscience & School of Psychology, Trinity College Dublin, The University of Dublin*

ADL rehabilitation for stroke apraxia and action disorganization syndrome: RCT of the Cogwatch approach

Laverick R, Howe J, Chua W, Wright RL, Jean-Baptiste E, Russell M, Rotshtein P, Wing AM
Affiliations TBC

The effects of action representation on working memory and attention

Renata Lima¹, Cecilia Heyes^{1,2} and Glyn Humphreys¹

¹*Department of Experimental Psychology, University of Oxford*, ²*All Souls College, University of Oxford*

The development of an integrative robot test for the diagnosis of hemineglect

Vincenza Montedoro^{1,2}, Marie Alsamour^{1,2}, Stéphanie Dehem^{2,3}, Maxime Gilliaux^{2,3}, Daniel Galinski^{2,4}, Luisa Schommers¹, Françoise Coyette⁵, Adrian Ivanoiu^{6,7}, Gaëtan Stoquart^{3,8}, Thierry Lejeune^{2,8}, Martin Edwards^{1,2}

¹*Institute for Research in Psychological Science, Université catholique de Louvain, Belgium*, ²*Louvain Bionics, Université catholique de Louvain*, ³*Institute of Clinical and Experimental Research, Université catholique de Louvain*, ⁴*Institute of Mechanics, Materials and Civil Engineering, Université catholique de Louvain*, ⁵*Centre of Neuropsychological Rehabilitation, Cliniques universitaires Saint-Luc, Belgium*, ⁶*Institute of Neuroscience, Université catholique de Louvain*, ⁷*Neurology Department, Cliniques universitaires Saint-Luc*, ⁸*Physical Medicine and Rehabilitation, Cliniques universitaires Saint-Luc*

Sustained changes in visual neglect six months after contralesional transcranial magnetic stimulation

Raghavan, C; Chechlac, M; Husain, M and Humphreys, G.W
Department of Experimental Psychology, University of Oxford

Lateralised continuous performance task can modulate attentional weights

Nir Shalev¹, Linde De Wandel^{1,2}, and Magdalena Chechlac¹

¹*Department of Experimental Psychology, University of Oxford*, ²*Department of Experimental Psychology, Ghent University*

A new neuropsychological test for the assessment of changes in attentional function in preclinical dementia

Tute E and Nestor PJ

German Center for Neurodegenerative Diseases (DZNE), Magdeburg

Exploring numerical effects on clock drawing in unilateral neglect: Line bisection, numerical midpoint estimation and numerical and alphabetical clock drawing analysis

Elena Un¹, Elena Olgiati¹, Edward Roberts², Qadeer Arshad² and Paresh Malhotra¹

¹*Centre for Restorative Neuroscience and* ²*Department of Neuro-otology, Division of Brain Sciences, Charing Cross Hospital Campus, Imperial College London*

Session C

Ignoring the leaves in order to see the forest: Global and local perception in autism

Baisa, A¹, Mevorach, C², Shalev, L^{1,3}

¹*Constantiner School of Education, Tel-Aviv University*, ²*School of Psychology, University of Birmingham*, ³*Sagol School of Neuroscience, Tel-Aviv University*

Motor resonance in Parkinson's disease: Evidence for intact imitative priming

J. Bek¹, E. Gowen¹, S. Vogt², T. Crawford², E. Stack³, J. Dick⁴ and E. Poliakoff¹

¹*University of Manchester*, ²*Lancaster University*, ³*University of Southampton*, ⁴*Salford Royal NHS Foundation Trust*

Recognizing and executing movements: An investigation using Voxel-Based Morphometry (VBM)

Carolina Bonivento¹, Magdalena Chechlac², Pia Rotshtein³, Glyn Humphreys²

¹*Department of Experimental Clinical Medicine, University of Udine, Udine, Italy*, ²*Department of Experimental Psychology, University of Oxford*, ³*School of Psychology, University of Birmingham*

Material-specific impairment to face memory in a case study of focal right perirhinal cortex damage

Butler, E. E., Loane, C., Roca-Fernandez, A., & Butler, C.

Memory Research Group, Nuffield Department of Clinical Neurosciences, University of Oxford

The impact of Posterior Cortical Atrophy on activities of daily living

Siobhan Culley, Chris Butler, Ian Baker, Masud Husain, Sian Thompson, Eneida Mioshi, Samrah Ahmed

Affiliations TBC

Reduced interhemispheric Stroop-like interference in childhood and ageing

Jean-Francois Delvenne¹ & Julie Castronovo²

¹*University of Leeds*, ²*University of Hull*

Effect of Ebbinghaus illusion on perceptual and grasping judgements

Laurie Geers¹, Michael Andres^{1,2}, Mauro Pesenti^{1,2}

¹*Psychological Science Research Institute, Université catholique de Louvain*

²*Institute of Neuroscience, Université catholique de Louvain*

Coming to grips: The effect of perceived hand grip on action decisions to handheld tools

Sanjay Kumar¹ & Luc Boutsen²

¹*Oxford Brookes University, Oxford*, ²*Aston University, Birmingham*

Vestibular impairments and visuo-spatial dysfunction: Comparison of subjective and objective cognitive assessment in patients with bilateral vestibular loss

Lacroix, Emilie^{1,2,3}, Edwards, Martin^{1,3} & Deggouj, Naïma^{2,3}

¹*Institute for Research in Psychological Science, Université catholique de Louvain, Belgium*, ²*Oto-Rhino-Laryngology Department, Cliniques Universitaires Saint-Luc, Brussels, Belgium*, ³*Institute of Neuroscience, Université catholique de Louvain, Belgium*

Neuropsychology and Cross-Cultural Differences: View through computational modelling

Mavritsaki E.^{1,2} and Rentzelas P.¹

¹*Birmingham City University*, ²*University of Birmingham*

Disrupted size-weight and material-weight illusions in Visual Form Agnosia

Robert D McIntosh¹, A David Milner^{1,2} & Gavin Buckingham³

¹*Human Cognitive Neuroscience, Psychology, University of Edinburgh*, ²*Cognitive Neuroscience Research Unit, Psychology, University of Durham*, ³*Sport and Health Sciences, University of Exeter*

Session D

Winner of the BNS Undergraduate Project Prize

Memory consolidation in children: Does wakeful rest boost consolidation of newly formed memories in the classroom?

Rachael Hastie¹ and Michaela Dewar^{1,2}

¹*Department of Psychology, Heriot-Watt University, Edinburgh*, ²*Centre for Cognitive Ageing and Cognitive Epidemiology, University of Edinburgh*

Do you remember? Semantic support during encoding ameliorates but does not normalise memory performance in Posterior Cortical Atrophy

Bartels SL^{1,2}, Butler C¹, Bertoux M³, Husain M^{1,4}, Thompson S⁵, Baker I⁶, Blanco C¹, Bradshaw N⁷, Foxe D^{7,9}, Hodges JR^{7,8,9}, Piguet O^{7,8,9}, Ahmed S¹

¹*Nuffield Department of Clinical Neurosciences, University of Oxford*, ²*Faculty of Psychology and Neuroscience, Maastricht University, The Netherlands*, ³*Norwich Medical School, University of East Anglia*, ⁴*Department of Experimental Psychology, University of Oxford, John Radcliffe Hospital*, ⁵*Department of Clinical Neurology, Oxford University Hospitals NHS Trust*, ⁶*Russell Cairns Unit, Oxford University Hospitals NHS Trust, John Radcliffe Hospital*, ⁷*Neuroscience Research Australia, Sydney*, ⁸*School of Medical Sciences, the University of New South Wales, Sydney*, ⁹*ARC Centre of Excellence in Cognition and its Disorders, Sydney*

Multisensory enhancements in expressive aphasia

Barutchu, A. & Humphreys G. W.

Department of Experimental Psychology, University of Oxford

Can cognitive screening tasks inform capacity to consent to research in chronic stroke?

Faviola Dadis, Mihaela Duta, Nele Demeyere, Erik Scherder

Affiliations TBC

Cognitive function in low-income and low-literacy settings: Validation of the OCS-Plus screen in a rural South African population

Mihaela Duta¹, Livia Montana², Nele Demeyere¹, Ryan Wagner³, Kathleen Kahn^{3, 4}, Stephen Tollman^{3, 4}, Lisa Berkman², Glyn Humphreys¹

¹*Department of Experimental Psychology, University of Oxford, Oxford*, ²*Harvard Center for Population and Development Studies, Cambridge, MA, USA*, ³*MRC-Wits Rural Public Health and Health Transitions Research Unit (Agincourt), School of Public Health, Faculty of Health Sciences, University of the Witwatersrand, Johannesburg, SA*, ⁴*INDEPTH Network, Accra, Ghana*

Modelling optic ataxia via attentional loading in central vision

Harriet Ingle & Robert D McIntosh

Human Cognitive Neuroscience, Psychology, University of Edinburgh

Towards a more ecological assessment of verbal memory

Anders Jespersen, Mihaela Duta, Gabi Waldhof, Faviola Dadis, Ellie Slavkova, & Nele Demeyere

Affiliations TBC

Dissociating neglect dyslexia and visual neglect following stroke

Margaret Moore^{1,2}, Nir Shalev¹, Jacob Levenstein¹, Celine R. Gillebert^{1,3} & Nele Demeyere¹

¹*Department of Experimental Psychology, University of Oxford*, ²*Indiana University, Bloomington, IN*, ³*Laboratory for Experimental Psychology, Katholieke Universiteit Leuven, BE*

Cognate effects in Bengali-English bilingual aphasia

Abhijeet Patra, Arpita Bose

School of Psychology and Clinical Language Sciences, University of Reading

Can a strategy overcome a failure to inhibit?

Gail A. Robinson¹, David G. Walker², Vivien Biggs² and Tim Shallice^{3,4}

¹*Neuropsychology Research Unit, School of Psychology, University of Queensland, St Lucia, Brisbane, Australia*, ²*BrizBrain & Spine, Wesley Hospital, Brisbane*, ³*Institute of Cognitive Neuroscience, University College London*, ⁴*International School for Advanced Studies (SISSA), Trieste, Italy*.

Title TBC

Ellie Slavkova

University of Oxford

It's neuro-sex-ological! Using traditional and novel assessments to explore associations between sexual activity and cognitive function in healthy older adults

Hayley Wright, Rebecca A. Jenks, Nele Demeyere

Affiliations TBC