



NEDERLANDSE
VERENIGING VOOR
NEUROPSYCHOLOGIE



JOINT MEETING OF THE BRITISH NEUROPSYCHOLOGICAL SOCIETY
with NEDERLANDSE VERENIGING VOOR NEUROPSYCHOLOGIE

PROGRAMME

Wednesday 18th – Thursday 19th March 2015

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

Sponsorship

Cortex, published by [Elsevier](http://www.elsevier.com), is pleased to support the Spring meeting of the BNS and NVN. To find out more about the journal and how to submit please visit: www.journals.elsevier.com/cortex.

On-line 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 BNS and NVN members. 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/€12.50 for students and unwaged participants, £20/€25 for all others. Early registration closes 2 weeks prior to the meeting but you can also pay on the door (at the higher rate of £15/€25).

Conference Meal

To be held on Wednesday 18th March at 8pm at *Antalya* Turkish restaurant, 103-105 Southampton Row, London WC1B 4HH. Cost: £30/€38 or £20/€25 (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: 13th March 2015

Wednesday 18th March

8.30 REGISTRATION OPENS

8.50 **Welcome**

Sergio Della Sala (BNS President) & Ben Schmand (NVN President)

9.00 **Effects of frontostriatal disorders on reward sensitivity**

Sanjay Manohar and Masud Husain

*Nuffield Department of Clinical Neurosciences and Department of Experimental Psychology,
University of Oxford*

9.20 **Dynamic testing of learning potential in adults with cognitive impairments**

Caroline van Heugten¹, Hileen Boosman, Anne Visser-Meily

¹ *Maastricht University, School for Mental Health and Neuroscience, Maastricht, the Netherlands*

9.40 **Amnesia in an actor: Learning and re-learning of play passages despite severe autobiographical amnesia**

Michael D. Kopelman and John Morton

King's College London and University College London

10.00 **The impact of visual impairment on Trail Making Test performance – an analysis**

Christina Cordes, Hans van Ieperen, Joost Heutink, Bart Melis-Dankers, Karel Brookhuis, and Wiebo Brouwer

University of Groningen

10.20 **Metacognitive profiles vary across neuropsychiatric diagnoses and domains of awareness**

Emma Palmer, Stephen Fleming, Sergi Costafreda and Anthony David

Kings College, London

10.40 **Facial emotion recognition after epilepsy surgery in children**

Olga Braams, Joost Meekes, Onno van Nieuwenhuizen, Renske Schappin, Peter C. van Rijen, Wencke Veenstra, Kees Braun, Aag Jennekens-Schinkel

Affiliation TBC

11.00 **POSTER SESSION A**

with tea and coffee

11.45 *Keynote address*

What if consciousness is really seen as a neural phenomenon? A reinterpretation of neglect, split-brain, and disappearing gorillas

Victor Lamme

Universiteit van Amsterdam

12.45 LUNCH BREAK

Lunch is not provided

SYMPOSIUM

Impairments of visual and somatosensory processing

- 1.45 **Body representation impairments in neurological patients. A series of single case studies**
Chris Dijkerman, Haike van Stralen, Martine van Zandvoort
Utrecht University
- 2.15 **Altering attention in the elderly using non-invasive brain stimulation**
Gemma Learmonth
Glasgow University
- 2.45 **Assessment and rehabilitation of somatosensory and body representation impairments post-stroke**
Haike van Stralen, H.C. Dijkerman, M.J.E. van Zandvoort
Utrecht University
- 3.15 **The effects of compensatory scanning training in patients with hemianopia**
Joost Heutink^{1,2}, Gera de Haan^{1,2}, Bart Melis-Dankers², Oliver Tucha¹ and Wiebo H. Brouwer¹
¹*Department of Clinical & Developmental Neuropsychology, Faculty of Behavioural and Social Sciences, University of Groningen.* ²*Royal Dutch Visio, Centre of expertise for blind and partially sighted people, Haren, the Netherlands.*

-
- 3.45 **POSTER SESSION B**
with tea and coffee

-
- 4.30 **The roles of the left vs. right anterior temporal lobes in conceptual knowledge**
Grace E. Rice¹, Matthew A. Lambon Ralph¹, Paul Hoffman^{1,2}
¹*Neuroscience and Aphasia Research Unit (NARU), School of Psychological Sciences, University of Manchester,* ²*Centre for Cognitive Ageing and Cognitive Epidemiology (CCACE), University of Edinburgh*
- 4.50 **Criteria for mild cognitive impairment in Parkinson's disease: Current status and predictive validity for PDD**
Gert J. Geurtsen¹ on behalf of the MDS Study group "Validation of Mild Cognitive Impairment in Parkinson Disease"
¹*Department of Medical Psychology, Academic Medical Center, University of Amsterdam, The Netherlands*
- 5.10 **A role for the right lateral prefrontal cortex in verbal suppression and strategy use**
Gail A. Robinson^{1,2*}, Lisa Cipolotti^{2,3}, David G. Walker⁴, Vivien Biggs⁴, Marco Bozzali⁵ and Tim Shallice^{6,7}
^{1*}*Neuropsychology Research Unit, School of Psychology, The University of Queensland, Brisbane, Australia.* ²*Department of Neuropsychology, National Hospital for Neurology and Neurosurgery, Queen Square, London, UK.* ³*Dipartimento di Psicologia, University of Palermo, Italy.* ⁴*BrizBrain & Spine, The Wesley Hospital, Brisbane, Australia.* ⁵*Neuroimaging Laboratory, Santa Lucia Foundation, Rome, Italy.* ⁶*Institute of Cognitive Neuroscience, University College, London, UK.* ⁷*International School for Advanced Studies (SISSA), Trieste, Italy*

-
- 5.30 *The 13th Elizabeth Warrington Prize Lecture*
The connectional anatomy of Gage, Leborgne and H.M.
Michel Thiebaut de Schotten
Brain and Spine Institute, Paris - King's College London

6.30 DRINKS RECEPTION

8:00 CONFERENCE MEAL
(*Antalya* Turkish Restaurant; pre-booking essential)

Thursday 19th March

8.30 REGISTRATION OPENS

SYMPOSIUM

Cerebrovascular disorders and small vessel disease

9.00 **Volumetric and microstructural changes in the hippocampus: A long-term follow-up study on episodic memory in young stroke patients**

Roy P.C. Kessels, Pauline Schaapsmeeders & Frank-Erik de Leeuw
Radboud University Medical Center, Donders Institute for Brain, Cognition and Behaviour, Nijmegen, the Netherlands

9.30 **Rapid screening for vascular cognitive impairment: Validation of the brief memory and executive test (BMET)**

Matthew J Hollocks², Rebecca Brookes¹, Usman Khan¹, Robin G Morris³ & Hugh S Markus²
¹ *Stroke and Dementia Research Centre, St George's, University of London*, ² *University of Cambridge, Department of Clinical Neurosciences*, ³ *King's College London, Institute of Psychiatry, Psychology and Neurosciences*

10.00 **Sleep apnea in stroke patients: effects on cognition and rehabilitation**

Justine Aaronson^{1,2}, Winni Hofman², Coen van Bennekom^{1,3}, Ben Schmand²
¹ *Heliomare Research & Development and Heliomare Rehabilitation, Wijk aan Zee*. ² *University of Amsterdam, Department of Psychology*. ³ *Academic Medical Center, Amsterdam*.

10.30 **Reduced white matter network connectivity and efficiency is associated with processing speed and executive function deficit in small vessel disease: Cross sectional and longitudinal results from the SCANS study**

Andrew J Lawrence¹, Thomas R Barrick², Robin G. Morris³ & Hugh S Markus¹
¹ *University of Cambridge, Department of Clinical Neurosciences*, ² *St George's University of London, Neurosciences Research Centre*, ³ *King's College London, Institute of Psychiatry, Psychology and Neurosciences*

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

11.45 *Keynote address*

The clinical neuropsychology of adults with ADHD

Oliver Tucha

Department of Clinical and Developmental Neuropsychology, University of Groningen

12.45 LUNCH BREAK & BNS ANNUAL GENERAL MEETING
Lunch is not provided

1.45 *The Freda Newcombe Lecture*
The cognitive neuropsychology research program: Dodo or phoenix?
Tim Shallice
Institute of Cognitive Neuroscience, University College London

2.45 **POSTER SESSION D**
with tea and coffee

3.30 **Acute alcohol intoxication in patients with mild traumatic brain injury: Characteristics, recovery and outcome**
Myrthe E. Scheenen, Myrthe E. de Koning, Harm J. van der Horn, Joukje van der Naalt, Jacoba M. Spikman
Affiliation TBC

3.50 **A cognitive biomarker for Parkinson's disease?**
Nahid Zokaei¹, Michal Rolinski², Clare Mckay¹, Michele Hu² and Masud Husain^{2,3}
¹Department of Psychiatry, University of Oxford, ²Nuffield Department of Clinical Neurosciences, University of Oxford, ³Department of Experimental Psychology, University of Oxford

4.10 **Cognitive consequences of aneurysmal and angiogram-negative subarachnoid hemorrhage: a comparison to matched healthy controls**
Anne M. Buunk¹, Wencke S. Veenstra², Rob J.M. Groen², Jacoba M. Spikman¹
Departments of ¹ Neuropsychology and ² Neurosurgery, University of Groningen, University Medical Center Groningen

4:30 MEETING CLOSE

BNS Autumn Meeting – Wednesday 4th November 2015
Clinical Neurosciences Centre, 33 Queen Square, London, WC1N 3BG

Highlights include

The John Marshall Debate

21st century neuropsychological inference: Can you teach an old doctrine new tricks?
Organised by Dr. Paul Jenkinson and Dr. Dr Aikaterini Fotopoulou

THE CALL FOR ABSTRACTS IS NOW OPEN (until 3rd August)
Please submit a 250 word abstract structured with the following subheadings: objectives, methods, results and conclusions to Paul Hoffman (Meetings Secretary), stating preference for oral or poster presentation

Email: p.hoffman@ed.ac.uk

LIST OF POSTERS

Session A

BDR Prospective Cohort: Description and baseline characteristics from the Brains for Dementia Research South West Region

Amy Chinner, Dr Laura Palmer, Dr Elizabeth Coulthard & Dr Hilary Archer
Affiliations TBC

The relation between recognizing errors and committing errors in an activity of daily living task

Bogna Drozdowska, Rosanna Laverick, Emily Sumner, Gregory Yates, Alan Wing and Pia Rotshtein
School of Psychology, University of Birmingham

Error and feedback processing in individuals with autism spectrum disorder: A systematic literature review of event-related potential studies

Philippa Hüpen, Geraldina F. Gaastra, Yvonne Groen, Lara Tucha, Oliver Tucha
Department of Clinical and Developmental Neuropsychology, University of Groningen

Gender differences in cognition and depression in patients with Parkinson's disease

Janneke Koerts, Dorien Bangma*, Sophie Fengler, Lara Tucha & Oliver Tucha
Department of Clinical and Developmental Neuropsychology, University of Groningen

Pain without geometry: Poor judgment of distance between nociceptive stimuli

Flavia Mancini, Hannah Steinitz, James Steckelmacker, Gian Domenico Iannetti, Patrick Haggard
Affiliations TBC

Approaches to the detection of feigned ADHD

Lara Tucha¹, Anselm B.M. Fuermaier¹, Janneke Koerts¹, Yvonne Groen¹, Johannes Thome², Klaus W. Lange³ & Oliver Tucha¹

¹*Department of Clinical and Developmental Neuropsychology, University of Groningen, The Netherlands,* ²*Department of Psychiatry and Psychotherapy, University of Rostock, Germany,*

³*Department of Experimental Psychology, University of Regensburg, Germany*

Cognition and emotional decision-making in chronic low back pain: An event-related potentials study during Iowa gambling task

Stefano Tamburin¹, Alice Maier¹, Sami Schiff², Matteo Francesco Lauriola³, Elisa Di Rosa⁴, Giampietro Zanette³, and Daniela Mapelli^{4,5}

¹*Department of Neurological and Movement Sciences, Neurology Section, University of Verona;*

²*Department of Medicine, University of Padova;* ³*Section of Neurology, Pederzoli Hospital, Peschiera del Garda – Verona, Italy;* ⁴*Department of General Psychology, University of Padova;* ⁵*Human Inspired Technologies Research Center, University of Padova*

Effects of perceptual grouping on visual attention and visual short-term memory: A computational modelling approach

Chayenne Van Meel^{1,2}, Anders Petersen³, Johan Wagemans², Glyn W. Humphreys¹, and Celine R. Gillebert¹

¹*Department of Experimental Psychology, University of Oxford, UK;* ²*Laboratory of Experimental Psychology, University of Leuven, Belgium;* ³*Center for Visual Cognition, University of Copenhagen, Denmark*

Session B

The neural basis of subjective reward devaluation by cognitive and physical effort

Matthew Apps, Trevor T-J Chong, Kathrin Giehl, Annie Blake, Laura Grima & Masud Husain
Affiliations TBC

Script generation and its relation to executive processes in brain injured patients

Anna Emmanouel^a, Danielle Boelen^{b,c}, Roy Kessels^{a,c}, & Luciano Fasotti^{a,b}
^a*Radboud University Nijmegen, Donders Institute for Brain, Cognition & Behaviour*; ^b*Rehabilitation Medical Centre Groot Klimmendaal, Arnhem*; ^c*Radboud University Nijmegen Medical Centre*.

Driving difficulties in adults with attention deficit hyperactivity disorders

Anselm B.M. Fuermaier¹, Lara Tucha¹, Janneke Koerts¹, Dick de Waard¹, Ben Lewis-Evans¹, Karel Brookhuis¹, Klaus W. Lange², Steffen Aschenbrenner³, & Oliver Tucha¹
¹*Department of Clinical and Developmental Neuropsychology, University of Groningen*; ²*Department of Experimental Psychology, University of Regensburg, Germany*; ³*Department of Clinical Psychology and Neuropsychology, SRH Clinic Karlsbad, Germany*

White matter fronto-limbic pathway damage specifically associated with increased apathy in patients with Cerebral Small Vessel Disease

Matthew J Hollocks¹, Andrew J Lawrence¹, Rebecca L Brookes², Thomas R Barrick², Robin G Morris³, Masud Husain⁴ & Hugh S Markus¹
¹*University of Cambridge, Department of Clinical Neurosciences*. ²*Stroke and Dementia Research Centre, St George's, University of London*. ³*King's College London, Institute of Psychiatry*. ⁴*University of Oxford, Nuffield Department of Clinical Neurosciences*.

Studying risk and protective factors that might link Down syndrome in children aged 4 to 16 years to subsequent Alzheimer's disease

Kate Hughes^{1,2,3}, Emma Meaburn³ and Annette Karmiloff-Smith^{1,2}
¹*Birkbeck Centre for Brain & Cognitive Development, University of London*; ²*LonDownS Consortium*; ³*Birkbeck Department of Psychological Sciences*

A flexible, adaptive bilateral neural system for semantic cognition: A combined cTBS/fMRI study

JeYoung Jung and Matthew A. Lambon Ralph
Neuroscience and Aphasia Research Unit, School of Psychological Sciences, University of Manchester

Working capacity in patients with Parkinson's disease – A systematic review

Miriam König, Lara Tucha, Oliver Tucha & Janneke Koerts
Department of Clinical and Developmental Neuropsychology, University of Groningen

Transcranial Direct Current Stimulation in hemispatial neglect: A study of ipsilateral activation and contralateral inhibition

Smit, Miranda¹, Schutter Dennis JLG.², Nijboer, Tanja CW.^{1,3,4}, Visser-Meily, Johanna MA.⁴, Kappelle Jaap L.³, Dijkerman, H. Chris^{1,3}
¹*Utrecht University, Department of Experimental Psychology, Helmholtz Institute*, ²*Radboud University Nijmegen, Donders Institute for Brain, Cognition and Behaviour*, ³*University Medical Center Utrecht, Department of Neurology, Rudolf Magnus Institute of Neuroscience*, ⁴*Rudolf Magnus Institute of Neuroscience and Center of Excellence for Rehabilitation Medicine, University Medical Center Utrecht and Rehabilitation Center De Hoogstraat*

The DiaNAH Test Battery: a 30-minute screening to assess visual perceptual disorders after acquired brain injury

Stefanie de Vries¹, Joost Heutink^{1,4}, Frans Cornelissen^{2,3}, Bart Melis-Dankers⁴ & Oliver Tucha¹
¹*Department of Clinical and Developmental Neuropsychology, University of Groningen*, ²*Department of Ophthalmology, University Medical Center Groningen, University of Groningen*, ³*NeuroImaging Center, University Medical Center Groningen, University of Groningen*, ⁴*Royal Dutch Visio, Centre of Expertise for Blind and Partially Sighted People, The Netherlands*

Session C

A Balint's syndrome case with preserved navigation skills

Silvia Chapman¹, Gustav Kuhn¹, Gemma Barry², Gianna Cocchini^{1,2}

¹ Psychology department, Goldsmiths University of London, ² Blackheath Brain Injury Rehabilitation Centre

Manual asymmetries in motor preparation in dextrals and adextrals

Leah T. Johnstone & David P. Carey

School of Psychology, Bangor University

Brain lateralization and self-reported symptoms of ADHD in non-clinical adults: A dimensional approach

Saleh Mohamed, Reint Geuze, Norbert Borger, and Jaap van der Meere

University of Groningen

Electrophysiological correlates in healthy individuals of galvanic vestibular stimulation protocols used to treat hemi-spatial neglect

Rachael E Morris¹, Catriona L Scrivener², Joseph L Brooks¹

¹School of Psychology, University of Kent, ²University of Reading

Deep brain stimulation of the subthalamic nucleus is associated with lower response thresholds when patients with Parkinson's disease act under speed pressure

Ines Pote^{1,2}, Mariam Torkamani^{1,2}, Zinovia-Maria Kefalopoulou¹, Ludvic Zrinzo¹, Patricia Limousin¹, Tom Foltynie¹, Maarten Speekenbrink³ Marjan Jahanshahi^{1,2}

¹ Cognitive Motor Neuroscience Group & ² Unit of Functional Neurosurgery, Sobell Department of Motor Neuroscience & Movement Disorders UCL Institute of Neurology, ³ UCL Cognitive, Perceptual and Brain Sciences, Division of Psychology and Language Sciences, London, UK

Cognitive dysfunctioning and the Locked-In Syndrome (LIS): More than an incidental co-occurrence

Anne-Claire Schrijnemaekers¹, Sascha Rasquin¹, Rudolf Ponds^{1,2}

¹ Rehabilitation Hospital Adelante, Brain Injury Department, Hoensbroek, ² University Hospital Maastricht, department of Medical Psychology

White matter hyperintensities and cognition in MCI and dementia: A domain-specific meta-analysis

E. van den Berg^{1,2}, M.I. Geerlings³, G.J. Biessels¹, P.J. Nederkoorn⁴, R.P. Kloppenborg⁵

¹Experimental Psychology, Utrecht University, ²Department of Neurology, University Medical Center Utrecht, ³Julius Center for Health Sciences and Primary Care, University Medical Center Utrecht, ⁴Department of Neurology, Academic Medical Center, Amsterdam, ⁵Department of Neurology, St. Franciscus Gasthuis, Rotterdam

Microstructural brain change characterised by diffusion segmentation (DSEG) is related to cognitive decline in cerebral small vessel disease

Owen A Williams¹, Eva Zeestraten¹, Andrew J Lawrence², Philip Benjamin¹, Robin G Morris³, Hugh S Markus², Thomas R Barrick¹

¹ Neurosciences Research Centre, Cardiovascular and Cell Sciences Research Institute, St George's, University of London. ² Department of Clinical Neurosciences, University of Cambridge. ³ Psychology and Neuroscience, Institute of Psychiatry, King's College London.

Session D

Efficacy of ADL rehabilitation in stroke patients: An RCT using the CogWatch system

Jo Howe

University of Birmingham

Confabulations in Alzheimer's disease patients: a dysfunction of familiarity processes

Valentina La Corte^{a,b}, Bruno Dubois^{a,b}, Gianfranco Dalla Barba^{a,b}

^a *Institut de la Mémoire et de la Maladie d'Alzheimer, Hôpital de La Pitié-Salpêtrière, Paris, France,*

^b *Université Pierre et Marie Curie-Paris6, Centre de Recherche de l'Institut du Cerveau et de la Moelle Epinière, Inserm U 1127, Paris, France*

The development of a new diagnosis test for simultanagnosia using eye-tracking exploration of dynamic scenes

Simon Ladouce^{1,2}, Clément Letesson² & Martin Gareth Edwards²

¹*Cognition in complex environments, University of Stirling, Scotland (UK),* ²*Psy-NAPS research group, Université catholique de Louvain, Belgium*

The effect of dopaminergic medication on perceptual decision-making in Parkinson's disease as a function of task difficulty and speed-accuracy instructions

Yu-Ting Huang^{1,2}, Dejan Georgiev^{1,2}, Maarten Speekenbrink³, Tom Foltynie², Patricia Limousin², Marjan Jahanshahi^{1,2}

¹*Cognitive Motor Neuroscience Group,* ²*Unit of Functional Neurosurgery, Sobell Department of Motor Neuroscience & Movement Disorders UCL Institute of Neurology,* ³*UCL Cognitive, Perceptual and Brain Sciences, Division of Psychology and Language Sciences, London, UK*

The role of source monitoring on the interference of overlearned information in healthy ageing

Yvonne C.M. Rensen¹, Roy P.C. Kessels^{1,2}, Paul A.T.M. Eling¹, Joukje M. Oosterman¹

¹*Radboud University Nijmegen, Donders Institute for Brain, Cognition, and Behaviour,* ²*Radboud University Medical Center, Department of Medical Psychology, Nijmegen*

Predicting intelligence in adults with Noonan Syndrome based on childhood verbal and performance IQ

Renée L. Roelofs, Nikki Janssen, Ellen Wingbermhühle, Roy P.C. Kessels, Jos I.M. Egger

Centre of Excellence for Neuropsychiatry, Vincent van Gogh Institute for Psychiatry, Venray, The Netherlands

The effects of a Self-Alert Training (SAT) programme in adults with ADHD

Salomone, S.¹, Fleming, G.R.¹, Shanahan, J.M.¹, Castorina, M.¹, Bramham, J.^{2,3}, O'Connell, R.G.^{1,4}, Robertson, I.H.^{1,4}

¹*Trinity College Institute of Neuroscience, Lloyd Institute, Dublin 2, Ireland;* ²*St. Patrick's University Hospital Dublin, Dublin 1, Ireland;* ³*School of Psychology, Newman Building, Belfield, Dublin 4, Ireland;* ⁴*School of Psychology, Trinity College Dublin, Dublin 2, Ireland*

Complaints, coping and work resumption three months after mild-to-moderate traumatic brain injury

M.E. Scheenen, M.E. de Koning, H.J. van der Horn, G. Roks, T. Yilmaz, J. van der Naalt, J.M. Spikman
Affiliations TBC
