

## A special two-day meeting, celebrating 35 Years of the BNS

### Online Registration and Payment

Please register by: 22<sup>nd</sup> April 2024

All attendees (both members and non-members) are politely asked to register in advance of the meeting. This will help with organization of catering. Simply fill out the form here:

<https://bns.wildapricot.org/events>

Registration is **FREE for all current members** of the BNS, and **£15 for non-members**.

Full membership of the BNS is £35 per year and only £10 for students and retirees

<https://www.the-bns.org/membership>

### Travel Bursaries

There are a limited number of travel bursaries, up to the value of £250, to cover travel and accommodation. Priority will be given to early career researchers and those presenting their work.

Please [submit your application via the website](#) by *Mon 11<sup>th</sup> March*.

### Abstracts

Abstracts will be published at <https://www.the-bns.org/meetings>

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### Day One: Wednesday 24<sup>th</sup> April 2024

09:15            REGISTRATION OPENS  
[Zoom meeting (ID: 844 8230 0551) activated for remote attendees; password provided to registrants in advance]

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09:45            **WELCOME**  
Nicky Edelstyn, BNS President

                    FREE PAPERS  
Chair: Stephanie Rossit, *University of East Anglia*

09:50            **Investigating the oscillatory dynamics of tics in Tourette Syndrome**  
Mairi Houlgreave<sup>1</sup>, Aikaterini Gialopsou<sup>1</sup>, Elena Boto<sup>1</sup>, Matthew Brookes<sup>1</sup> & Stephen Jackson<sup>1</sup>  
<sup>1</sup>*University of Nottingham*

10:10            **A novel test of conjunctive binding shows impaired associative processes in working memory in neuropsychiatric disorders**  
Giovanni d'Avossa<sup>1,2</sup> & Mohammad Zia Ul Haq Katshu<sup>3,4</sup>  
<sup>1</sup>*School of Psychology and Sport Sciences, Bangor University*, <sup>2</sup>*Betsi Cadwaladr University Health Board*,  
<sup>3</sup>*Nottinghamshire Healthcare NHS*, <sup>4</sup>*University of Nottingham*

- 10:30      **What do retinotopic maps do? A lesion overlap analysis of visual functions in stroke patients**  
Selma Lugtmeijer<sup>1†</sup>, Aleksandra Sobolewska<sup>2†</sup>, Edward de Haan<sup>2345</sup> & Steven Scholte<sup>2</sup>  
<sup>1</sup>University of Birmingham, <sup>2</sup>University of Amsterdam, <sup>3</sup>Radboud University, <sup>4</sup>Oxford University, <sup>5</sup>Nottingham University, <sup>†</sup>Joint first author
- 10:50      **Comparing the Oxford Digital Multiple Errands Test (OxMET) to a real-life version: convergence, feasibility, and acceptability**  
Sam S. Webb<sup>1</sup> & Nele Demeyere<sup>1</sup>  
<sup>1</sup>University of Oxford
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- 11:10      MORNING BREAK & POSTER SESSION (Group A)  
*Tea & Coffee provided*
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- FREE PAPERS  
Chair: Ajay Halai, *University of Cambridge*
- 11:40      **A neuropsychologically-informed TMS test of hemispheric dominance for visual shape processing**  
Jessica A. Teed<sup>1</sup>, Catriona L. Scrivener<sup>1</sup>, Robert D. McIntosh<sup>1</sup> & Edward H. Silson<sup>1</sup>  
<sup>1</sup>University of Edinburgh
- 12:00      **The Phenomenology of Face Blindness – a novel approach to Developmental Prosopagnosia**  
Randi Starrfelt<sup>1</sup>, Tone Roald<sup>1</sup> & Erling Noerkaer<sup>1</sup>  
<sup>1</sup>University of Copenhagen
- 12:20      **Neural specialisation for concrete and abstract concepts: A meta-analysis of 71 neuroimaging studies**  
Paul Hoffman<sup>1</sup> & Matthew Bair<sup>1</sup>  
<sup>1</sup>University of Edinburgh
- 12:40      **Multidimensional cognitive profiles of the logopenic variant of primary progressive aphasia and Alzheimer’s disease**  
Shalom K. Henderson<sup>1,2</sup>, Matthew A. Lambon Ralph<sup>1</sup> & James B. Rowe<sup>1,2,3</sup>  
<sup>1</sup>Medical Research Council (MRC) Cognition and Brain Sciences Unit, University of Cambridge, <sup>2</sup>Department of Clinical Neurosciences, University of Cambridge, <sup>3</sup>Cambridge University Hospitals NHS Foundation Trust
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- 13:00      In Memory of  
**Luke D. Kartsounis**  
Narinder Kapur and colleagues
- 
- 13:15      ANNUAL GENERAL MEETING  
*Members Only*

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13:45      **LUNCH BREAK & POSTERS (Group A)**  
*Catering not provided, presenters due at their poster from 14:00*

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**BNS 35<sup>th</sup> ANNIVERSARY SYMPOSIUM**

*A series of invited speakers celebrating the excellence and diversity of UK-based neuropsychology, as well as 35 years of community brought together by our society*

Chair: Richard Binney, *Bangor University*

14:30      **Exploring the neural bases of memory: theories, methods, and dichotomies**  
Daniela Montaldi  
*University of Manchester*

15:00      **From understanding E/I balance to personalised interventions for optimising cognition in typical and atypical development**  
Roi Cohen Kadosh  
*University of Surrey*

15:30      **The neuropsychology of emotion**  
Oliver Turnbull  
*Bangor University*

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16:00      **AFTERNOON BREAK**  
*Tea & Coffee provided*

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**BNS 35<sup>th</sup> ANNIVERSARY SYMPOSIUM**

Chair: Rob McIntosh, *University of Edinburgh*

16:30      **When the spark goes out: the neurology of apathy and motivation**  
Masud Husain  
*University of Oxford*

17:00      **The role of the prefrontal cortex in fluid intelligence and reasoning**  
Lisa Cipolotti  
*University College London*

17:30      **How to measure forgetting**  
Sergio Della Sala  
*University of Edinburgh*

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18:00      **DRINKS RECEPTION (& CAKE!)**  
*In the foyer*

**Day Two: Thursday 25<sup>th</sup> April 2024**

08:45 REGISTRATION OPENS  
[Zoom meeting (ID: 861 9743 6446) activated for remote attendees; password provided to registrants in advance]

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GUEST SYMPOSIUM  
**DOMAIN-SPECIFIC TO DOMAIN-GENERAL COGNITIVE DEFICITS POST-STROKE**

Organiser and Chair: Fatemeh Geranmayeh

09:10 **Post-stroke cognitive trajectories from Oxford Cognitive Screening studies**  
Nele Demeyere  
*University of Oxford*

09:30 **IC3 - towards a scalable deep cognitive phenotyping of patients with stroke**  
Fatemeh Geranmayeh  
*Imperial College London*

09:50 **Increasing efficiency of aphasia assessment after stroke**  
Ajay Halai  
*Medical Research Council (MRC) Cognition and Brain Sciences Unit, University of Cambridge*

10:10 **Refining apraxia diagnosis after stroke**  
Elisabeth Rounis  
*Imperial College London*

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10:30 MORNING BREAK & **POSTER SESSION** (Group B)  
*Tea & Coffee provided*

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11:00 21<sup>st</sup> ELIZABETH WARRINGTON PRIZE LECTURE  
**Mapping the neurobiology of language: from anatomy to the clinic**  
Stephanie Forkel  
*Donders Institute for Brain, Cognition and Behaviour, Radboud University*

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12:00 LUNCH BREAK & **POSTERS** (Group B)  
*Catering not provided, presenters due at their poster from 12:30*

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GUEST SYMPOSIUM  
**DOMAIN-SPECIFIC TO DOMAIN-GENERAL COGNITIVE DEFICITS POST-STROKE**

Organiser and Chair: Fatemeh Geranmayeh

- 13:00      **Attention to attention in aphasia**  
Rahel Schumacher  
*Luzerner Kantonsspital & University of Cambridge*
- 13:20      **Interaction between lateralised inattention (neglect) and sustained attention**  
Alex Leff  
*University College London*
- 13:40      **Adding task fMRI and decoding to the neuropsychologists' toolkit**  
Matthew Lambon Ralph  
*Medical Research Council (MRC) Cognition and Brain Sciences Unit, University of Cambridge*
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- 14:00      PRESIDENT'S INVITED LECTURE  
**Recovery from aphasia after stroke: From networks to therapy**  
Dorothee Saur  
*University of Leipzig*
- 
- 15:00      CLOSE OF MEETING
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The BNS Autumn Meeting will take place on  
**Wednesday 27<sup>th</sup> - Thursday 28<sup>th</sup> November 2024**

at

33 Queen Square, London WC1N 3BG

***Highlights will include:***

18<sup>th</sup> Freda Newcombe Prize Lecture

7<sup>th</sup> Humphreys & Riddoch Prize

Undergraduate Prize

A CALL FOR SYMPOSIA IS NOW OPEN (*Deadline: 15<sup>th</sup> June 2024*)

If you'd like to organise a symposium, please email Richard Binney ([r.binney@bangor.ac.uk](mailto:r.binney@bangor.ac.uk)), with a description of the aims and content, and the names of 3 speakers who have provisionally agreed to contribute.

The Call for Abstracts will open from 26<sup>th</sup> April until 27<sup>th</sup> August 2024

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## LIST OF POSTERS

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### Group A: Wednesday

**Trauma, Memory, and Dis-order: A Neuropsychanalytic Review (Withdrawn)**

Ali Bagherzanjani & Najmeh Zivdar  
*University College London*

**Investigating changes in BOLD signal during median nerve stimulation**

I.Farr, M.Houlgreave, M. Ashgar, S.Francis, K.Dyke & S.Jackson  
*University of Nottingham*

**Investigating neuronal noise as a mechanism of tic generation**

A. Gialopsou, C. Smith, M. Houlgreave, I. Farr & S. Jackson  
*University of Nottingham*

**The Double Empathy Problem: A Derivation Chain Analysis and Cautionary Note**

Luca D. Hargitai<sup>1</sup>, Lucy A. Livingston<sup>2,3</sup> & Punit Shah<sup>1</sup>  
<sup>1</sup>University of Bath, <sup>2</sup>King's College London, <sup>3</sup>Cardiff University

**New Development and Standardization of the Semantic Knowledge Test for Adults (SKT-A)**

Yu Mi Hwang<sup>1</sup>, Yoonhye Na<sup>1</sup>, JeYoung Jung<sup>2</sup> & Sung-Bom Pyun<sup>1,3,4</sup>  
<sup>1</sup>Korea University College of Medicine, <sup>2</sup>University of Nottingham, <sup>3</sup>Korea University College of Medicine, <sup>4</sup>Korea University Anam Hospital

**Neurotransmitter Deficits and Semantic Impairments in Frontotemporal Dementia**

JeYoung Jung<sup>1</sup>, Zlatomira G. Ilchovska<sup>1</sup> & Akram Hosseini<sup>2</sup>  
<sup>1</sup>University of Nottingham, <sup>2</sup>Nottingham University Hospitals NHS Trust

**Investigating age-related differences in semantic control mechanisms involved in creative thinking**

Tanvi Patel, Sarah E. MacPherson & Paul Hoffman  
*University of Edinburgh*

**Reduced memory test performance by people with subjective cognitive decline: A systematic review and meta-analysis**

Katie A. Peterson, Fiona Ellis, Adrian Leddy & Michael Hornberger  
*University of East Anglia*

**Functional mapping of facial movements in Tourette Syndrome**

Caitlin M. Smith, Mairi S. Houlgreave, Michael Asghar, Susan T. Francis & Stephen R. Jackson  
*University of Nottingham*

**Error Responses and Patterns on the 12-item Face-Name Associative Memory Exam (FNAME-12)**

Meera Sonara, Kirsty Lu, Rebecca Street, Thomas Brown, Molly Cartlidge, Anjali Raghavan, Heidi Murray-Smith, Sebastian J. Crutch, Marcus Richards & Jonathan M. Schott  
*University College London*

**“The radiant Quiet. The nourishing Quiet, The illuminating Quiet”: an Analysis of Autobiographical Accounts of Inner Speech in Aphasia**

Bethan Tichborne<sup>1,2</sup> & Arpita Bose<sup>1</sup>  
<sup>1</sup>*University of Reading*, <sup>2</sup>*University of Manchester*

**Cultural adaptations in Cognitive Stimulation Therapy for mild-moderate Dementia: A Narrative Review**

Sasha-kay Williams, Navneet Nagra & Elena Olgiati  
*Central and North West London NHS Foundation Trust*

**Mapping brain-behaviour relationships: insights from two fMRI tasks**

Eleni Zevgolatakou<sup>1</sup>, Rahel Schumacher<sup>1,2</sup>, Matthew A. Lambon Ralph<sup>1</sup>, Ajay D. Halai<sup>1</sup>  
<sup>1</sup>*MRC Cognition and Brain Sciences Unit, University of Cambridge*, <sup>2</sup>*University of Bern*

**Group B: Thursday**

**Investigating the Effects of Stroke Infarct: Comparisons between Simulated and Real Lesions and Understanding Post-Stroke Semantic Impairment in Gradient Space**

Ramya Balakrishnan<sup>1</sup>, Tirso Rene del Jesus Gonzalez Alam<sup>1</sup>, Nick Souter<sup>2</sup>, Brontë L. A. Mckeown<sup>3</sup>, Theodoros Karapanagiotidis<sup>2</sup> & Elizabeth Jefferies<sup>1</sup>  
<sup>1</sup>*University of York*, <sup>2</sup>*University of Sussex*, <sup>3</sup>*Queen's University*

**The outcomes of group intervention for numerical deficits after a stroke/ brain-injury (acalculia), based on the principles of embodied cognition**

Yael Benn<sup>1</sup>, Berzan Cetinkaya<sup>2</sup>, Maryam Hussain<sup>2</sup>, Verena Christin Pavel<sup>1</sup>, George Kountouriotis<sup>1</sup>, Tam Dibley<sup>1</sup>, Mark Jayes<sup>1</sup> & Paul Conroy<sup>3</sup>  
<sup>1</sup>*Manchester Metropolitan University*, <sup>2</sup>*University of Manchester*, <sup>3</sup>*Trinity College Dublin*

**The Development and Validation of an Automated Method to Quantify Cortical Atrophy in Acute Post-Stroke CT Scans**

Ibe Couwels<sup>1</sup>, Margaret Jane Moore<sup>2</sup>, Georgina Hobden<sup>1</sup>, Taylor Hanayik<sup>1</sup> & Nele Demeyere<sup>1</sup>  
<sup>1</sup>*University of Oxford*, <sup>2</sup>*University of Queensland*

**The Prevalence and Impact of Health Anxiety Following Subarachnoid Haemorrhage: A Cross-Sectional Study**

Kealan Forristal<sup>1</sup>, David Gillespie<sup>1</sup> & Caroline van Heugten<sup>2</sup>  
<sup>1</sup>*NHS Lothian, Edinburgh*, <sup>2</sup>*Maastricht University*

**Factors Affecting the Assessment of Cognitive Impairment in Stroke: Perspectives, Challenges, and Future Directions**

Catherine Nora Moran<sup>1</sup>, Anne Hickey<sup>1</sup>, Paul Dockree<sup>2</sup>, Frank Doyle<sup>1</sup>, Meadhbh Brosnan<sup>3</sup>, Terry Quinn<sup>4</sup>, & Nele Demeyere<sup>5</sup>

<sup>1</sup>RCSI University of Medicine & Health Sciences, <sup>2</sup>Trinity College Dublin, <sup>3</sup>University College Dublin, <sup>4</sup>University of Glasgow, <sup>5</sup>University of Oxford

**The neuroanatomical correlates of semantic knowledge processing in patients with ischemic stroke**

Yoonhye Na<sup>1</sup>, JeYoung Jung<sup>2</sup>, Yu Mi Hwang<sup>1</sup>, & Sung-Bom Pyun<sup>1,3</sup>

<sup>1</sup>Korea University College of Medicine, <sup>2</sup>University of Nottingham, <sup>3</sup>Korea University Anam Hospital

**StrokeCog-R: A protocol of a pilot randomized controlled trial of a novel cognitive rehabilitation programme for stroke survivors and their family members**

Megan H. Oglesby<sup>1</sup>, Catherine N. Moran<sup>1</sup>, Niall Pender<sup>2</sup>, Kathleen Bennett<sup>1</sup>, Frances Horgan<sup>1</sup>, Niamh Merriman<sup>3</sup>, Peter J. Kelly<sup>3,4</sup>, David Williams<sup>1,2</sup> & Anne Hickey<sup>1</sup>

<sup>1</sup>RCSI, Dublin, <sup>2</sup>Beaumont Hospital, Dublin, <sup>3</sup>University College Dublin, <sup>4</sup>Mater University Hospital, Dublin.

**Predictors of Poor Post-operative Cognitive Outcomes in Adult Temporal Lobe Epilepsy: The ‘Red Flags’ Initiative**

Isha Puntambekar<sup>1</sup> & Sallie Baxendale<sup>1,2</sup>

<sup>1</sup>University College London, <sup>2</sup>University College London Hospitals NHS foundation Trust

**A scoping review of research investigating patient and carer information needs around post-stroke cognition**

Faye Tabone, Georgina Hobden, & Nele Demeyere

University of Oxford

**Neurocognitive Correlates of Cerebrovascular Small Vessel Disease (SVD): Implications for Decision-Making (DM) Under Uncertainty**

Fitzroy Wickham, Bahaa Atallah, Sanjay Manohar & Masud Husain

University of Oxford