



122nd Meeting of the British Neuropathological Society

WEDNESDAY 3RD MARCH, 2021

08:50 – 09:00	Welcome Tim Dawson, BNS President	
09:00 – 10:00	FIRST SCIENTIFIC SESSION – Cerebrovascular Disease, Brain Tumours and Traumatic Brain Injury	
09:00	What happens to cells of the brain in people who develop dementia after stroke? <u>Rachel Waller</u> , Paul R Heath, Julie E Simpson, Yoshiki Hase, Rajesh N Kalaria, Stephen B Wharton	01
09:15	Effects of Type 2 Diabetes on Neuronal and Associated Neurovascular Unit Transcriptomes Joanna Bury, Annabelle Chambers, Paul Heath, Paul Ince, Pamela Shaw, Fiona Matthew, Carol Brayne, <u>Stephen Wharton</u>	02
09:30	The inflammatory environment in glioblastoma Jeanette L. Norman, Kastytis Sidlauskas, Sean Pellow, Reece Savage, David S. Chatelet, Mark Fabian, Jeng Ching, Paul Grundy, James A.R. Nicoll, <u>Delphine Boche</u>	03
09:45	Axonal injury is detected by βAPP immunohistochemistry in near instantaneous/rapid death from head injury following road traffic collision <u>Safa Al-Sarraj</u> , Claire Troakes, Guy Ratty	04
10:00 – 10:30	Coffee break and poster viewing	
10:30 – 12:00	SECOND SCIENTIFIC SESSION – Neurodegeneration I	
10:30	Brain DNA methylation landscapes in frontotemporal lobar degeneration <u>Conceição Bettencourt</u> , Christina E. Toomey, Tammarnyn Lashley	05
10:45	HnRNP K mislocalisation in Frontotemporal Lobar Degeneration leads to cryptic exon inclusion <u>Ariana Gatt</u> , Alex Bampton, Jack Humphrey, Sara Cappelli, Emanuele Buratti, Pietro Fratta, Tammarnyn Lashley	06
11:00	Tau pathology and neuroinflammation in FTLD-tau <u>Iain Hartnell</u> , Manon Graffeuil, Luke Mason, Pavan Marwaha, Declan Woodhouse, William Jasper, David Blum, James Nicoll, Guillaume Dorothee ⁴ , Boche Delphine	07
11:15	Lipid metabolism alterations are associated with alpha-synuclein pathology in Lewy body dementia <u>Daniel Erskine</u> , David Koss, Lauren Walker, Tiago Outeiro, Johannes Attems	08
11:30	Clinicopathological Relationships in Motor Neuron Disease <u>Charlotte Dawson</u> , Robin Highley, Bridget Ashford	09

11:45	Exploring the Neuroinflammatory Response of the Motor Regions in Human Motor Neurone Disease <u>Bridget Ashford</u> , Charlie Appleby-Mallinder, Delphine Boche, Wenbin Wei, Paul Heath, Julie Simpson, Robin Highley	O10
12:00 – 13:00	Lunch and poster viewing	
13:00 – 14:00	Alfred Meyer Memorial prize lecture <i>The neuropathological landscape of tau-protein related conditions</i> Gabor G. Kovacs University of Toronto and University Health Network, Canada	
14:00 – 14:40	DIAGNOSTIC UPDATE – Muscle Immunohistochemistry <i>A routine panel of antibodies to apply to muscle biopsies</i> Caroline Sewry University College London and Great Ormond Street Hospital, UK	
14:40 – 15:00	Coffee break and poster viewing	
15:00 – 16:00	THIRD SCIENTIFIC SESSION – Neurodegeneration II	
15:00	Validation of the new pathology staging system for progressive supranuclear palsy Mayen Briggs, Kieren Allinson, Maura Malpetti, Maria Spillantini, James Rowe, <u>Sanne Kaalund</u>	O11
15:15	Interneuron vulnerability in Lewy body dementia <u>Daniel Erskine</u> , Keval Sidhpura, Hong Nicola Lai, Johannes Attems	O12
15:30	A Clinicopathological Investigation of Brainstem Nuclei in Lewy Body Dementias (LBD) <u>Shivani Patel</u>	O13
15:45	MOBP and HIP1 protein expression and (mis)localization in brain tissue from multiple system atrophy and other neurodegenerative diseases <u>Conceição Bettencourt</u> , Yasuo Miki, Rohan de Silva, Sandrine C. Foti, Tamas Revesz, Tammaryn Lashley, Emmanuelle Viré, Thomas T. Warner, Janice L. Holton	O14
16:00 – 16:30	EQA Session	
16:30 – 17:00	Business Meeting	
17:00 – 17:30	Professional Affairs Meeting	

Cont.

THURSDAY 4TH MARCH, 2020

Symposium: Brain Tumours 2021: Challenges and Opportunities

Chair: Silvia Marino, Queen Mary University of London

The poster room will be available throughout the two days, so please take the chance to view them if you haven't already.

- 13:00 – 13:05** **Welcome**
Silvia Marino, Queen Mary University of London
- 13:05 – 13:45** **Longitudinal analysis of diffuse glioma reveals genetic and microenvironmental mechanisms driving tumour evolution**
Roel Verhaak, The Jackson Laboratory, USA
- 13:45 – 14:25** **Charting the immune landscape of diverse brain tumours**
Johanna Joyce, University of Lausanne and Ludwig Institute for Cancer Research, Switzerland
- 14:25 – 15:05** **Blood-brain barrier transcytosis: mechanism, targeting, and opportunities for brain tumour therapy**
Giuseppe Battaglia, University College London, UK
- 15:05 – 15:15** **Coffee break**
- 15:15 – 15:55** **GD2 CART cell therapy for H3K27M+ diffuse midline gliomas**
Michelle Monje, Stanford University, USA
- 15:55 – 16:35** **Targeting epigenetic signatures and their downstream pathways in brain tumours**
Silvia Marino, Queen Mary University of London, UK
- 16:35 – 17:15** **Panel Discussion**
All the speakers will join for a Q&A session and discussion

Cont.

e-Posters

- Epidemiology of CNS tumours** P1
Lauren Ackroyd, Azzam Ismail
- IDH Mutation in Medulloblastoma: A Diagnostic Challenge** P2
Santhosh Nagaraju, Abhijit Joshi, Ashirwad Merve, Ute Pohl
- Mismatch repair deficiency in gliomas – A case series** P3
Mayen Briggs, Hongxiang Liu, Dominic G. O'Donovan, Marc Tischkowitz, Olivier Giger
- A Rare Lesion Mimicking a Brain Metastasis** P4
Elizabeth Byrne, Cheryl Coulter, Monika Hofer
- Atypical teratoid/rhabdoid tumours of the sellar region** P5
Simon Deacon, Graham Dow, Matthew Griffin, Abel Devadass, Ashirwad Merve, Thomas Jacques, Ian Scott, Noreen Akhtar, Simon Paine
- Primary anaplastic large cell lymphoma of the central nervous system: a paediatric case report** P6
Simon Deacon, Jennifer Turnbull, David Clark, Simon Paine
- Paediatric CNS tumours with MN1 alteration – diagnostic challenges** P7
Zita Reisz, Deborah Hughes, Jane Chalker, Ross Laxton, Bassel Zebian, Safa Al-Sarraj, Andrew King, Thomas S Jacques, Istvan Bodi
- Re-assessing the prognostic value of Ki-67 and p53 in recurrent and nonrecurrent PitNETs** P8
Annalize Odamtten, Azzam Ismail
- Progressive hemispheric atrophy in HIV: A Rasmussen's-like variant of CD8 encephalitis?** P9
Maria Thom, Smriti Patodia, Atul Kumar, Michael Sheaff, Graham Warner, Marie Williamson, Simon Limb, Homa Adle-Biassette
- A Rare Example of Coenurosis of the Central Nervous System (CNS)** P10
Cheryl Coulter, Elizabeth Byrne, Monika Hofer
- A bite and a striking nerve biopsy** P11
Simon Deacon, Yeo Jing-Ming, Jillian Davis, Ian Scott, Radu Tanasescu, Simon Paine
- Parvalbumin interneuron vulnerability underlying occipital cortex seizure activity in Alpers-Huttenlocher syndrome** P12
Laura Smith, Dr Nichola Lax, Dr Daniel Erskine, Prof Robert Taylor, Prof Robert McFarland
- The role of microglia and astrocytes in Alexander's Disease** P13
Iain Hartnell, Emilie Favre, Nadia Barakat, Jonathan Ward, Isabel Butt, David Blum, James Nicoll, Delphine Boche
- Characterising the varying astrocyte response to oligomeric and fibrillar A β ₁₋₄₂** P14
Martyna Matuszyk, Laura Ferraiuolo, Alexander Taylor, Peter Davies, Rosemary Staniforth, Claire Garwood, Stephen Wharton
- Examining the role of systemic inflammation in Alzheimer's disease using *in vivo* models of tauopathy** P15
Sarah Howard, Zeshan Ahmed, Katrin Deinhardt, Jessica Teeling
- Glucocerebrosidase (GBA) Deficiency Accumulates Higher Alpha-synuclein in Alpha-Synucleinopathies** P16
Thamir M Eid, Tammarnyn Lashley, Tom Warner, Catherine Strand, Rina Bandopadhyay, John Hardy
- Brain co-methylation signatures in Progressive supranuclear palsy** P17
Katherine Fodder, Thomas T Warner, Conceição Bettencourt

- Synaptic Defects in Alpha-Synucleinopathies Associated with Glucocerebrosidase (GBA) Mutation** P18
Thamir M Eid, Tammaryn Lashley, Tom Warner, Rina Bandopadhyay, John Hardy, Paul Francis
- Analysis of selective vesicular proteins in Parkinson's disease pathogenesis** P19
Kirsten Ebanks, Chi-Yee Fok, Amrita Verma, John Hardy, Patrick Lewis, Thomas Warner, Rina Bandopadhyay
- The effect of systemic atherosclerosis on the neurovascular unit** P20
Monica A. Rebolgar Guagnelli, Stephen Wharton, Sheila Francis³, Julie Simpson
- HnRNP K mislocalisation in frontotemporal lobar degeneration** P21
Alexander Bampton, Ariana Gatt, Jack Humphrey, Dipanjan Bhattacharya, Sara Cappelli, Emanuele Buratti, Pietro Fratta, Tammaryn Lashley
- Genome Wide Association Study On Sporadic Inclusion Body Myositis (sIBM)** P22
Alaa.M.Khan For The Muscle Study Group and The International IBM Genetics Consortium (MSG-IIBMGC)
- Mitochondrial dysfunction in parvalbumin interneurons leads to early-onset neurological symptoms associated with mitochondrial disease *in vivo*** P23
Elizaveta Olkhova, Carla Bradshaw, Yi Shiau Ng, Fiona LeBeau, Grainne Gorman, Nichola Lax
- IDH-mutant astrocytoma in the context of mismatch repair deficiency (MMRD) in a young adult** P24
Ute Pohl, Philippe Taniere, Paul Sanghera, Helen Benghiat, Liam Herbert, Santhosh Nagaraju
- Characterisation of immune cell subsets of tumour infiltrating lymphocytes in brain metastases** P25
Priyakshi Kalita-de Croft, Haarika Chittoory, Peter Simpson, Sunil Lakhani
- Angiotensin-converting enzyme-1 (ACE-1) levels in Alzheimer's disease, and association with ACE1 genotypes** P26
Özge Güzel, Hannah Mary Tayler, J. Scott Miners, Olivia Anna Skrobot, Patrick Gavin Kehoe
- Defining and diagnosing neurodegenerative Movement Disorders through integrated analysis of Genetics and neuroPATHology (MD-GAP)** P27
Lesley Wu, Bryan Traynor, Sonja Scholz, Andrew Singleton, Tamas Revesz, Patrick Chinnery, John Hardy, Nicholas Wood, Colin Smith, Andrew King, Tom Warner, Steve Gentleman, Zane Jaunmuktane, Mina Ryten, Seth Love, Tammaryn Lashley, Huw Morris
- Digitalisation and adaptations to the muscle biopsy assessment and workflow during the COVID-19 pandemic: A large single centre experience** P28
Ashirwad Merve, Eleanna Kara, Daniel Gharai, Stephanie Carrington, Enrico Bugiardini, Matt Parton, Jasper Morrow, Ros Quinlivan
- Double Trouble: A rare case of synchronous glioblastoma multiforme & anaplastic oligodendroglioma** P29
 Niloufar Farahani, Zeluleko Sibanda, Elizabeth Attia, Erminia Albanese, Ute Pohl