



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	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**
Joanna 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