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?  O1
Rachel Waller, Paul R Heath, Julie E Simpson, Yoshiki Hase, Rajesh N Kalaria,
Stephen B Wharton

09:15   Effects of Type 2 Diabetes on Neuronal and Associated Neurovascular Unit Transcriptomes  O2
Joanna Bury, Annabelle Chambers, Paul Heath, Paul Ince, Pamela Shaw, Fiona Matthew, Carol
Brayne, Stephen Wharton

09:30   The inflammatory environment in glioblastoma  O3
Jeanette L. Norman, Kastytis Sidlauskas, Sean Pellow, Reece Savage, David S. Chatelet,
Mark Fabian, Jeng Ching, Paul Grundy, James A.R. Nicoll, Delphine Boche

09:45   Axonal injury is detected by βAPP immunohistochemistry in near instantaneous/rapid death  O4
from head injury following road traffic collision
Safa Al-Sarraj, Claire Troakes, Guy Rutty

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  O5
Conceição Bettencourt, Christina E. Toomey, Tammaryn Lashley

10:45   HnRNP K mislocalisation in Frontotemporal Lobar Degeneration leads to cryptic exon inclusion  O6
Ariana Gatt, Alex Bampton, Jack Humphrey, Sara Cappelli, Emanuele Buratti, Pietro Fratta,
Tammaryn Lashley

11:00   Tau pathology and neuroinflammation in FTLD-tau  O7
Iain Hartnell, Manon Graffeuil, Luke Mason, Pavan Marwaha, Declan Woodhouse,
William Jasper, David Blum, James Nicoll, Guillaume Dorothee, Boche Delphine

11:15   Lipid metabolism alterations are associated with alpha-synuclein pathology in Lewy body  O8
dementia
Daniel Erskine, David Koss, Lauren Walker, Tiago Outeiro, Johannes Attems

11:30   Clinicopathological Relationships in Motor Neuron Disease  O9
Charlotte Dawson, Robin Highley, Bridget Ashford
11:45   Exploring the Neuroinflammatory Response of the Motor Regions in Human Motor Neurone Disease
Bridget Ashford, Charlie Appleby-Mallinder, Delphine Boche, Wenbin Wei, Paul Heath, Julie Simpson, Robin Highley

12:00 – 13:00  Lunch and poster viewing

13:00 – 14:00  Alfred Meyer Memorial prize lecture
The neuropathological landscape of tau-protein related conditions
Gabor G. Kovacs
University of Toronto and University Health Network, Canada

14:00 – 14:40  DIAGNOSTIC UPDATE – Muscle Immunohistochemistry
A routine panel of antibodies to apply to muscle biopsies
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, Sanne Kaalund

15:15  Interneuron vulnerability in Lewy body dementia
Daniel Erskine, Keval Sidhpura, Hong Nicola Lai, Johannes Attems

15:30  A Clinicopathological Investigation of Brainstem Nuclei in Lewy Body Dementias (LBD)
Shivani Patel

15:45  MOBP and HIP1 protein expression and (mis)localization in brain tissue from multiple system atrophy and other neurodegenerative diseases
Conceição Bettencourt, Yasuo Miki, Rohan de Silva, Sandrine C. Foti, Tamas Revesz, Tammaryn Lashley, Emmanuelle Viré, Thomas T. Warner, Janice L. Holton

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.
Epidemiology of CNS tumours
Lauren Ackroyd, Azzam Ismail

IDH Mutation in Medulloblastoma: A Diagnostic Challenge
Santhosh Nagaraju, Abhijit Joshi, Ashirwad Merve, Ute Pohl

Mismatch repair deficiency in gliomas – A case series
Mayen Briggs, Hongxiang Liu, Dominic G. O’Donovan, Marc Tischkowitz, Olivier Giger

A Rare Lesion Mimicking a Brain Metastasis
Elizabeth Byrne, Cheryl Coulter, Monika Hofer

Atypical teratoid/rhabdoid tumours of the sellar region
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
Simon Deacon, Jennifer Turnbull, David Clark, Simon Paine

Paediatric CNS tumours with MN1 alteration – diagnostic challenges
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
Annalize Odamtten, Azzam Ismail

Progressive hemispheric atrophy in HIV: A Rasmussen’s-like variant of CD8 encephalitis?
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)
Cheryl Coulter, Elizabeth Byrne, Monika Hofer

A bite and a striking nerve biopsy
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
Laura Smith, Dr Nichola Lax, Dr Daniel Erskine, Prof Robert Taylor, Prof Robert McFarland

The role of microglia and astrocytes in Alexander’s Disease
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 Aβ1-42
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
Sarah Howard, Zeshan Ahmed, Katrin Deinhardt, Jessica Teeling

Glucocerebrosidase (GBA) Deficiency Accumulates Higher Alpha-synuclein in Alpha-Synucleinopathies
Thamir M Eid, Tammaryn Lashley, Tom Warner, Catherine Strand, Rina Bandopadhyay, John Hardy

Brain co-methylation signatures in Progressive supranuclear palsy
Katherine Fodder, Thomas T Warner, Conceição Bettencourt
Synaptic Defects in Alpha-Synucleinopathies Associated with Glucocerebrosidase (GBA) Mutation
Thamir M Eid, Tammaryn Lashley, Tom Warner, Rina Bandopadhyay, John Hardy, Paul Francis

Analysis of selective vesicular proteins in Parkinson’s disease pathogenesis
Kirsten Ebanks, Chi-Yee Fok, Amrita Verma, John Hardy, Patrick Lewis, Thomas Warner, Rina Bandopadhyay

The effect of systemic atherosclerosis on the neurovascular unit
Monica A. Rebollar Guagnelli, Stephen Wharton, Sheila Francis, Julie Simpson

HnRNP K mislocalisation in frontotemporal lobar degeneration
Alexander Bampton, Ariana Gatt, Jack Humphrey, Dipanjn Bhattacharya, Sara Cappelli, Emanuele Buratti, Pietro Fratta, Tammaryn Lashley

Genome Wide Association Study On Sporadic Inclusion Body Myositis (sIBM)
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
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
Ute Pohl, Philippe Taniere, Paul Sanghera, Helen Benghiat, Liam Herbert, Santhosh Nagaraju

Characterisation of immune cell subsets of tumour infiltrating lymphocytes in brain metastases
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
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 neuroP4thology (MD-GAP)
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
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
Niloufar Farahani, Zeluleko Sibanda, Elizabeth Attia, Erminia Albanese, Ute Pohl