



123rd Meeting of the British Neuropathological Society

WEDNESDAY 16TH MARCH, 2022

Symposium: Epigenetics

Chair: Silvia Marino, Queen Mary University of London

The poster gallery will be available throughout the two days.

13:00 – 13:05 Welcome

Silvia Marino, Queen Mary University of London

13:05 – 13:35 Epigenetic studies in Alzheimer's disease

Katie Lunnon, University of Exeter Medical School, UK

13:35 – 14:05 Cell type specific epigenetic regulation in Alzheimer's disease

Sarah Marzi, Imperial College London, UK

14:05 – 14:35 Single-cell Epigenomics of Oligodendroglia during Neural Development and in Multiple Sclerosis

Gonçalo Castelo-Branco, Karolinska Institutet, Stockholm, Sweden

14:35 – 15:00 Coffee break

15:00 – 15:30 DNA methylation based classification of brain tumours

David Capper, Charité Medical University of Berlin, Germany

15:30 – 16:00 The Peter Pan Syndrome: Stalled development at the root of pediatric brain tumours

Nada Jabado, McGill University, Montreal, Canada

16:00 – 16:45 Panel Discussion

All the speakers will join for a Q&A session and discussion

16:45 – 17:00 Break

17:00 – 18:00 Dorothy Russell Memorial Lecture

WHO 2021, A Diagnostic Odyssey

Arie Perry, University of California, San Francisco, USA

THURSDAY 17th March, 2022

08:50 – 09:00	Welcome Tim Dawson, BNS President	
09:00 – 10:15	FIRST SCIENTIFIC SESSION – Neurodegeneration I: Lewy body disease Chairs: Tammaryn Lashley and Johannes Attems	
9:00	Lewy Body Dementias – a Limbic Problem? <u>Shivani Patel</u>	O1
9:15	A bin for cellular waste: are Lewy bodies a protective response to accumulated α-synuclein and damaged organelles? <u>Daniel Erskine</u>	O2
9:30	GBA Mutations Increase Alpha-Synuclein levels In Lewy Body Disorders <u>Thamir Eid</u>	O3
9:45	Quantitative mapping of misfolded protein pathologies in Parkinson’s disease <u>Alice Rockliffe</u>	O4
10:00	A Clinicopathological Investigation of the Locus Coeruleus in Lewy Body Dementias <u>Shivani Patel</u>	O5
10:15 – 10:45	Coffee break and poster viewing	
10:45 – 12:15	SECOND SCIENTIFIC SESSION – Neurodegeneration II: Alzheimer’s and motor neuron disease Chairs: Steve Gentleman and Robin Highley	
10:45	The neuroinflammatory environment of Alzheimer’s disease differs based on two brain regions <u>Emma Garland</u>	O6
11:00	Widespread cortical and subcortical cerebral vascular dysfunction in Alzheimer’s disease: a preliminary study of brains within the Multi-omics Atlas Project. <u>Seth Love</u>	O7
11:15	The miRNA profile of neutrophil-derived microvesicles may impact blood-brain barrier integrity in Alzheimer’s disease <u>Yung Jen Ryan Thang</u>	O8
11:30	Characterising the astrocyte response to oligomeric and fibrillary Aβ1-42 in Alzheimer’s disease dementia <u>Martyna Matuszyk</u>	O9
11:45	Exploring the Neuroinflammatory Response of the Motor Cortex and Spinal Cord in Human Motor Neurone Disease <u>Bridget Ashford</u>	O10
12:00	Epigenome-wide DNA methylation profiling in post-mortem brain tissue to identify shared white matter signatures across neurodegenerative diseases <u>Megha Murthy</u>	O11

12:15 – 13:30	Lunch and poster viewing	
13:30 – 14:15	EQA session Antonia Torgersen	
14:15 – 15:30	THIRD SCIENTIFIC SESSION – CNS Neoplasia and COVID-19 Chairs: Kathreena Kurian and Silvia Marino	
14:15	DNA methylation machine learning and radiological features predict molecular classification of glioneuronal tumours <u>Thomas Stone</u>	O12
14:30	Prognostic analysis of rhabdoid and papillary meningiomas lacking anaplastic features: a case series. <u>Filippo Nozzoli</u>	O13
14:45	Epigenetic Marker H3K27me3 Fails to Determine 1p/19q Co-deletion Status in Middle Grade Gliomas <u>Alexander Matthews</u>	O14
15:00	Immunostaining for IDH1 Mutation Detection in Diffuse Glioma <u>Caroline Cartlidge</u>	O15
15:15	Detection of SARS-CoV-2 within enteric neurons and in brain <u>Sandra Gray-Rodriguez</u>	O16
15:30 – 15:45	Coffee break and poster viewing	
15:45 – 16:30	Business Meeting Tim Dawson, BNS president	
16:30 – 17:15	Professional Affairs Meeting Kathreena M Kurian	
17:15 – 17:30	Prize announcements and close Tim Dawson, BNS President	