



PROGRAMME* – MAIN SESSIONS | LECTURE THEATRE B
WEDNESDAY 5TH JULY 2023

10.15 Registration, refreshments, exhibition The Drum

LOWER GRADE GLIOMAS – TRANSLATING RECENT ADVANCES INTO CLINICAL PRACTICE
LECTURE THEATRE B
CHAIRS – Pietro D’Urso and TBC

10.45	Welcome and introduction	
10.50	Imaging advances in low grade glioma	Ibrahim Djoukhadar
11.05	Surgical advances in low grade glioma	Francesco Vergani, Jose Lavrador
11.20	Inflammation in low grade glioma – Insights from a decade of neuro-imaging research	David Coope
11.40	Navigating treatment options – The patient perspective	TBC
11.50	Navigating treatment options – New challenges in oncology decision making	Sara Erridge
12.05	Current clinical trials in low grade gliomas	TBC
12.15	Subtleties of survivorship – The patient voice	Sara Robson, Patient Rep.
12.25	Discussion	
12.35	Oral Poster Alternative Lengthening of Telomeres (ALT) is seen in a proportion of oligodendrogliomas and it is associated with a worse prognosis	Ho Keung Ng
12.38	Oral Poster Low-grade gliomas in older patients – A matched propensity-scoring analysis to determine seizure outcomes and prognosis	Jing Xian Lee
12.41	Questions and discussion	
12.45	Lunch and exhibition	The Drum

LUNCHTIME EXHIBITOR SHOWCASE – NORTHWEST BIOTHERAPEUTICS
13.00 – 13.30
DETAILS TBC

13.45 Welcome to BNOS 2023 2023 Hosts, BNOS President

PLENARY 1 – WHAT IS BIG DATA AND WHAT DOES IT MEAN TO US?
LECTURE THEATRE B
CHAIRS – Tina Karabatsou and TBC

14.00	Keynote Lecture What does "Big Data", Health Informatics and Data Science mean in healthcare? Understanding the contribution of health informatics to the management of patients with cancer	John Ainsworth
14.25	Keynote Lecture Application of Big Data and the Brainatomy project	Stavros Stivaros
14.50	Questions and discussion	
15.00	Refreshments and exhibition	The Drum



PROGRAMME* – PARALLEL SESSIONS | ROOMS 2.219/2.220 & 1.218
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WEDNESDAY 5TH JULY 2023 (CONTINUED)

RARE TUMOURS – MEDULLOBLASTOMA AND BEYOND – TRANSLATING BIG DATA INTO PRACTICE LECTURE THEATRE B CHAIRS – Simon Howarth and Rovel Colaco		
15.30	How big data is revolutionising diagnosis and treatment in rare tumours	Federico Roncaroli
15.50	Translating omics into decision-making in practice – Outcomes of the EORTC SPECTArare study	Martin McCabe
16.10	Low volume tumour surgery – Commissioning aspects	Paul Grundy
16.20	Rare tumours and surgical challenges	Tina Karabatsou
16.40	Indications for cranio-spinal RT in adults and the move to Proton Beam Therapy as standard care	Gillian Whitfield
16.55	The role of the TYA multi-disciplinary service	Hanna Simpson
17.05	Discussion	
17.20	Oral Poster Extracellular vesicles transfer resistance to vincristine in sonic hedgehog medulloblastoma	Philippa Wade
17.23	Oral Poster Non-cell autonomous induction of a cancer stem cell molecular phenotype in an in vitro model of sonic hedgehog medulloblastoma	John Jacob
17.26	Questions and discussion	
17.30	Close of day one	

17.30 – 19.00

Poster and Networking Reception

University Place | University of Manchester | 176 Oxford Road | Manchester | M13 9PL

PROGRAMME* – PARALLEL SESSIONS | ROOMS 2.219/2.220 & 1.218

WEDNESDAY 5TH JULY 2023 (CONTINUED)

PARALLEL SESSION CNS/AHP/NEUROPSYCHOLOGY I HOW TO CATCH A UNICORN – MAKING BETTER USE OF NEUROPSYCHOLOGY RESOURCES ROOM 2.219/2.220 CHAIR: Jacki Bambrough		
15.30	Introduction	Jacki Bambrough
15.40	Group work – Acceptance and commitment therapy and lifestyle medicine	Katy McIvor, Selina Makin
16.05	Monitoring tumour progression through neuropsychological assessment	Gemma Wall, Gill Cooke
16.30	Cross cultural Assessment	Sheeba Ehsan
17.00	Case study – Awake craniotomy with language mapping in Polish	Jacki Bambrough, Lee Fletcher
17.15	Oral Poster Psychology education workshops are an innovative method of offering psychological input to a wider population	Victoria Hurwitz
17.18	Oral Poster An analysis of the effectiveness of current provision of fatigue management strategies within a neuro-oncology MDT clinic	Olivia Africa
17.21	Questions and discussion	
17.30	Close of session	

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08.00

Registration, refreshments, exhibition

The Drum

RECURRENT GBM – THE REALITY
LECTURE THEATRE B
CHAIRS – Matt Bailey and TBC

09.00	Genomics of recurrent GBM - Why it is so difficult to treat?	Lucy Stead
09.20	Radiology of recurrent GBM	Stuart Currie
09.35	Oral Presentation Patterns of infiltration and relapse of Glioblastoma involving the anterior temporal lobe - Implications for radiation therapy target volume delineation	Michael Back
09.45	Oral Presentation PCV vs. Lomustine for patients with recurrent glioblastoma	Isata Fofanah
09.55	Re-irradiation	Louise Murray
10.10	Drug treatment options and clinical trials	Lucy Brazil
10.25	Discussion	
10.30	Refreshments and exhibition	The Drum

BREAKTIME EXHIBITOR SHOWCASE – BRAIN TUMOUR RESEARCH
10.40 – 10.55
DETAILS TBC

PLENARY 2 – CLINICAL TRANSLATION – THE IMPACT OF MOLECULAR PROFILING IN CLINICAL MANAGEMENT OF BRAIN TUMOURS | LECTURE THEATRE B
CHAIRS – Federico Roncaroli

11.00	Keynote Lecture Cutting-edge high-throughput technologies and big data – What we can learn from other cancer types	Andrew Sharrocks
11.30	Keynote Lecture The impact of cutting-edge, high-throughput technologies on the stratification of brain tumours and how and on the challenges in translating “omics” data into clinical practice	Richard Gilbertson
12.00	Keynote Lecture Epigenetic reprogramming of the tumour microenvironment leads to enhanced DNA damage response and inhibition of immunosuppressive mechanisms in IDH1 mutant gliomas – Clinical implications	Maria Castro
12.30	Questions and discussion	
12.45	Lunch and exhibition	The Drum

LUNCHTIME EXHIBITOR SHOWCASE – NOVOCURE
13:00–13:30
DETAILS TBC

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THURSDAY 6TH JULY 2023

PARALLEL SESSION | TRANSLATIONAL I (BIO-INFORMATICS AND BIOMARKERS)
ROOM 2.219/2.220
CHAIRS – TBC

09.00	Oral Presentation Nano-omics for blood biomarker discovery in glioblastoma	Anita Liu
09.10	Oral Presentation Multi-omics Mendelian randomisation using expression, protein and splicing quantitative trait loci - Identification of novel drug targets associated with risk of gliomagenesis	Zak Thornton
09.20	Oral Presentation Plasma proteomics and machine learning for novel biomarker discovery in adult malignant glioma	Henriette Pedersen
09.30	Oral Presentation Brain tumour genetic network signatures superiorly forecast survival	James Ruffle
09.40	Oral Presentation Development of GliExP - A high-throughput ex vivo drug screening platform for glioblastoma	Hannah Gagg
09.50	Oral Presentation Deciphering transcriptomic changes driven by electric field therapy on different molecular subtypes of glioblastoma	Ashwin Narayanan
10.00	Questions and discussion	
10.10	Oral Poster Systematic identification of context-dependent gene-essentiality in Glioblastoma - The GBM-CoDE platform	Mitchell Foster
10.13	Oral Poster Adenosine to inosine RNA editing associated tumour microenvironment as a therapeutic target in glioblastoma	Sean Chun-Chang Chen
10.16	Oral Poster Predicting inpatient length of stay for patients undergoing neuro-oncological operations - A machine learning perspective from a 10-year study at a national tertiary neurosurgical centre	Ella Snowden
10.19	Oral Poster MicroLens - A design-centred approach to AI in healthcare	Lillie Pakzad-Shahabi
10.22	Questions and discussion	
10.30	Refreshments and exhibition	The Drum

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PROGRAMME* – MAIN SESSIONS | LECTURE THEATRE B
THURSDAY 6TH JULY 2023 (CONTINUED)

BRAIN METASTASES (Please also see British Radiosurgery Society meeting/BNOS satellite meeting, Manchester 4 th July 2023) LECTURE THEATRE B CHAIRS – TBC		
13.45	The big controversies / summary of BSRS meeting	TBC
13.55	Oral Presentation Incidence and predictors of clinically significant acute and late treatment-related toxicity after stereotactic radiosurgery in 4 or more brain metastases	Shefali Parikh
14.05	Oral Presentation Radiomics to predict the response of brain metastases to stereotactic radiotherapy	Hamoun Rozati
14.15	Oral Poster A single centre 10-year experience with Gamma knife stereotactic radiosurgery for cerebral metastases	Vassili Crispi
14.18	Oral Poster Outcomes of stereotactic radiosurgery/radiotherapy (SRST) in malignant melanoma with cranial metastases – the Wessex experience	Jonathan Ah-Chuen
14.21	Oral Poster Do genomic alterations influence the development of brain metastases in advanced and metastatic non-small cell lung cancer? A systematic review and meta-analysis	Conor Gillespie
14.24	Oral Poster Genomic landscape and actionable mutations of brain metastases in non-small cell lung cancer – A systematic review	Lily Andrews
14.27	Grey cases, mock MDT, updates from breast, lung and melanoma What's changed in breast, lung and melanoma? 3 disease specific speakers participating in grey cases	Ciara O'Brien, Rafaelle Califano, Patricio Serra
15.07	Discussion, summary and close	
15.15	Refreshments and exhibition	The Drum
THE BNOS 2023 BIG DEBATE LECTURE THEATRE B		
15.45	The value of big data in patient care – Promises, opportunities, challenges and ethical framework	Invited speakers Charity representatives Patient representatives
16.45	BNOS AGM	
17.30	Close of day two	
19.00 – 00.00 BNOS Conference Dinner Museum of Science and Industry Liverpool Road Manchester M3 4JP Dinner speaker – Jess Mills		



PROGRAMME* – PARALLEL SESSIONS | ROOMS 2.219/2.220 & 1.218
THURSDAY 6TH JULY 2023 (CONTINUED)

PARALLEL SESSION FREE PAPERS TRANSLATIONAL II (IMAGING) ROOM 2.219/2.220 CHAIRS – David Coope and TBC		
13.45	Oral Presentation Graphene nanomaterial reprogramming of immune cells to unlock the efficacy of immunotherapy in glioblastoma	Thomas Kisby
13.55	Oral Presentation Radiogenomics for immunotherapy in glioblastoma	Prajwal Ghimire
14.05	Oral Presentation Long-term post-marketing surveillance data from elderly patients with central nervous system malignancies treated with Tumor Treating Fields (TTFields) therapy	Maciej M Mrugala
14.15	Oral Presentation Demographics, genetics, and epigenetics influence the lesion distribution of glioma	James Ruffle
14.25	Oral Presentation Dual PET imaging of neoplastic and inflammatory biomarkers in high grade glioma	Bandar Alfaifi
14.35	Questions and discussion	
14.45	Oral Poster Imaging Timing After Surgery for Glioblastoma (INTERVAL GB) – A UK and Ireland, multicentre, retrospective observational cohort study	Conor Gillespie
14.48	Oral Poster Radiogenomic datasets in glioblastoma – An essential hurdle	Prajwal Ghimire
14.51	Oral Poster Diagnostic accuracy and process evaluation with health economics analysis of an ultra-fast digital confocal microscopy scanner for real-time intra-operative brain tumour diagnosis	William Bolton
14.54	Oral Poster Multidimensional profiles of cognitive deterioration and recovery associated with glioblastoma surgery	Yizhou Wan
14.57	Close of session	
15.15	Refreshments and exhibition	The Drum
PARALLEL SESSION CNS/AHP/NEUROPSYCHOLOGY II – PREPARATION FOR BEREAVEMENT – DEALING WITH FAMILIES WITH YOUNG CHILDREN / LOSING A PARENT TO BRAIN TUMOUR ROOM 1.21 CHAIRS – Sara Robson and Lindsay Sudell		
13.45	Welcome and introduction	Sara Robson, Lindsay Sudell
13.50	Talking to children about diagnosis and prognosis	TBC
14.20	Practical ideas and techniques	Lisa Jones
14.45	Preparing a child for loss	Beechwood Cancer Centre
15.00	What the charities offer for families – Brain Tumour Charity, Braintrust and Brain Tumour Support	
15.15	Oral Poster Biopsy vs best supportive care in glioblastoma – Impact of no post-op radiotherapy on overall survival	Siddarth Kannan
15.18	Oral Poster End of life care in brain tumour patients – Demographics and preferences	Radville Mauricaite
15.21	Oral Poster Quantifying the need for a best supportive care clinic	Marwan Al-Munaer
15.24	Refreshments and exhibition	The Drum

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08.00

Registration, refreshments and exhibition

The Drum

EQUITY OF CARE AND SHARING BEST PRACTICE
LECTURE THEATRE B
CHAIRS – Helen Maye and Adam Waldman

09.00	National brain mapping and complex tumour MDT – A UK-wide, interdisciplinary model of personalised brain tumour surgery	George Samandouras and MDT colleagues
09.45	Oral Presentation NHS brain cancer healthcare and research – Does it matter where you are treated?	Nicky Huskens
09.55	Oral Poster Transforming brain cancer treatment, care and research – A case study of a specialised national digital learning and networking platform for NHS health professionals	Nicky Huskens
09.58	Oral Poster Enabling equity of access to genomic testing in the UK	Kathreena Kurian
10.01	Oral Poster Tessa Jowell BRAIN MATRIX platform study – Preliminary analysis of the primary feasibility & process-centred objective	Colin Watts
10.04	Oral Poster Review of the introduction of whole genome sequencing as NHS standard of care for brain tumour patients at Queen Elizabeth Hospital Birmingham, UK	Victoria Wykes
10.07	Mock Genomic Tumour Advisory Board – Cases with actionable mutations including clinical trial options	Matt Krebs, Susan Short
10.37	Brain tumour data accelerator project	Matt Williams
10.47	Oral Presentation A novel therapeutics accelerator to support a stronger brain tumour treatment pipeline	Nicky Huskens
10.57	Discussion and close	
11.00	Refreshments and exhibition	The Drum

BREAKTIME EXHIBITOR SHOWCASE – BRAINLAB
11.10 – 11.25
DETAILS TBC

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FRIDAY 7TH JULY 2023

PARALLEL SESSION | TRANSLATIONAL III (TRANSLATIONAL AND DRUG DISCOVERY)
ROOM 2.219/2.220
CHAIRS – Petra Hamerlik and Maria Castro

09.00	Key aspects for drug discovery for brain cancer	Petra Hamerlik
09.20	Oral Presentation CLIC1 ion channels as bioelectric targets for TTFields in paediatric high-grade glioma	Michaela Griffin
09.30	Oral Presentation Spatial transcriptomics reveals translational and inflammatory changes upon arginine deprivation in glioblastoma	Jake Symington
09.40	Oral Presentation Deconstructing the transcription-replication nexus in glioblastoma	Riad Hajdarevic
09.50	Oral Poster Tumour Treating Fields with DDR inhibitors effectively leads to chemo-/radio-sensitisation of gliomas	Callum Jones
09.53	Oral Poster Role of the transcriptional elongation factor SPT6 as a modulator of RAD52 in glioblastoma tumours	Diana Aguilar-Morante
09.56	Oral Poster m6A RNA modification and a driver of cellular plasticity and intra-tumoural heterogeneity in glioblastoma	Simon Deacon
09.59	Oral Poster Hull's magic box – Building the case for clinical trials using arginine methylation inhibitors against GBM	Antonia Barry
10.02	Questions and discussion	
10.30	Close of session	
11.00	Refreshments and exhibition	The Drum

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FRIDAY 7TH JULY 2023 (CONTINUED)

CLOSING PLENARY THE FUTURE LECTURE THEATRE B		
11.30	Oral Presentation – Top scoring abstract PreOperative Brain Irradiation in Glioblastoma (POBIG trial) – Feasibility and evaluation of treatment response in enhancing and non-enhancing regions	Mueez Waqar
11.45	Oral Presentation – Top scoring abstract Imaging habitat changes after preoperative radiotherapy for glioblastoma – Utilisation of a bioinformatics and machine learning pipeline to characterise regional treatment response	Mueez Waqar
12.00	Oral Presentation – Top scoring abstract Pro-drug nanoparticles as synergistic drug combination carriers for IDH1-WT glioblastoma	Robert Cavanagh
12.15	Oral Presentation – Top scoring abstract Longitudinal WGS and WES of glioblastoma reveal potential pathway targets	Yousef Alghamdi
12.30	Oral Presentation – Top scoring abstract Bulk RNA-Seq deconvolution of image-localized high-grade glioma biopsies reveals meaningful cellular states	Lee Curtin
12.45	Young investigators award – Jointly supported by BNOS and Brain Tumour Research	
13.15	Keynote Lecture Brain Cancer – From biology to biomarkers	Petra Hamerlik
13.30	BNOS 2024	
13.35	Closing Remarks	
13.30	Lunch, exhibition and close of BNOS 2023	
	Working lunch sessions 13.30 – 14.00 BNOS Council meeting	
	13.30 – 14.00 Clinical neuro-oncology career paths – Clinical lectureship / Academic neuro-oncology PhDs from training / Surgical oncology fellowships	



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