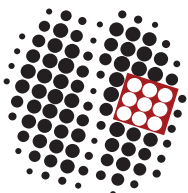




# BRITISH NEURO-ONCOLOGY SOCIETY ANNUAL MEETING

EVIDENCE BASED NEURO-ONCOLOGY: CURRENT AND FUTURE APPROACHES

Wednesday 4<sup>th</sup> - Friday 6<sup>th</sup> July 2018  
University of Winchester



British Neuro-Oncology Society



#BNOS2018

# ORGANISING COMMITTEE

Mr Paul Grundy, Lead Consultant Neurosurgeon, Adult Neuro-Oncology (Brain Tumours), Southampton University Hospitals

Mrs Stephanie Crawford, Clinical Nurse Specialist, Neuro-Oncology, Southampton University Hospitals

Mrs Janet Day, Clinical Nurse Specialist, Neuro-Oncology, Southampton University Hospitals

Dr Harriet Joy, Consultant Neuroradiologist, Southampton University Hospitals

Ms Antoinette Slaven, Clinical Nurse Specialist, Neuro-Oncology, Southampton University Hospitals

Dr Mark Walker, Consultant Neuroradiologist, Southampton University Hospitals

Dr Omar Al-Salihi, Consultant Neuro-Oncologist, Guy's And St Thomas', London

# INVITED FACULTY

## OVERSEAS SPEAKERS

Dr Viviane Tabar, Chair of Neurosurgery, Memorial Sloan Kettering Cancer Centre, New York

Professor Dr Damien Weber, Chair of PBT, Paul Scherrer Institut, Switzerland

Mr Stefan Vilsmeier, CEO Brainlab, Munich, Germany

## GUEST SPEAKERS

Professor Alf Collins, NHS England Clinical Director for Personalised Care

Professor Garth Cruickshank, Chair of Neurosurgery, Queen Elizabeth Hospital, Birmingham

Mr Michael D. Jenkinson, Consultant Neurosurgeon, The Walton Centre, Liverpool

Ms Holly Matthews, Actress, Speaker, Business and Positive Mindset Coach

Mr Ali Nader-Sepahi, Consultant Spinal Neurosurgeon, Wessex Neurological Centre

Professor Christian Ottensmeier, Chair of Experimental Cancer Medicine, University of Southampton

Dr Manav Pathania, Postdoctoral Research Associate, UCL Cancer Institute, London

Mr Puneet Plaha, Honorary Senior Research Fellow and Consultant Neuro-Oncology Surgeon, John Radcliffe Hospital, Oxford

Dr Gerry Thompson, Senior Clinical Lecturer in Radiology, University of Edinburgh

Dr Liam Welsh, Clinical Oncology, Royal Marsden Hospital, London

# WELCOME

This event ensures that all those working in neuro-oncology in the UK meet to learn, discuss and impart findings within a friendly and informative atmosphere.

The multidisciplinary role of BNOS is represented by plenary presentations, discussions, debates, sponsored symposia, oral presentations and posters covering a wide variety of topics which may range from stem cells and in-vitro models to classification and biomarkers, neuro-imaging and neurosurgical techniques, immuno-oncology, quality of life and indicators of patient performance.

Wednesday morning will focus on education and research in the field of cerebral metastases. This population of patients is increasing in volume in all of our MDTs and outcomes continue to improve. In the afternoon we will learn about the newly released NICE guidelines for primary and secondary brain tumours and debate the impact and controversies that may result. Following this we will together discuss the management of some more complex and rarer tumours in our MDT meeting, to help us understand different approaches to these challenges.

Thursday will focus on both clinical and scientific aspects of neuro-oncology, with parallel sessions running most of the day. Plenary lectures will educate us on shared decision making and provide a patient and carer perspective from well known British Actress, Holly Matthews, who has been very active in social media on this subject. We will also learn about the latest surgical techniques and scientific research on paediatric gliomas. We will together celebrate the 70<sup>th</sup> birthday of the NHS at the gala dinner!

On Friday we will hear from one of the most experienced oncologists in the field of Proton Beam Therapy from PSI, Switzerland, in the year that PBT arrives in the UK. Our guest from Memorial Sloan Kettering Cancer Centre will explain how we can integrate regenerative stem cell science into cancer research and we will have an update on NIHR and brain tumour research in the UK.

Throughout the meeting there will be a number of sessions focusing on presentations of novel work from around the UK and beyond. Prizes will be awarded for the best oral and poster presentations (Bursaries are available from BNOS to attend the meeting).

# WELCOME RECEPTION

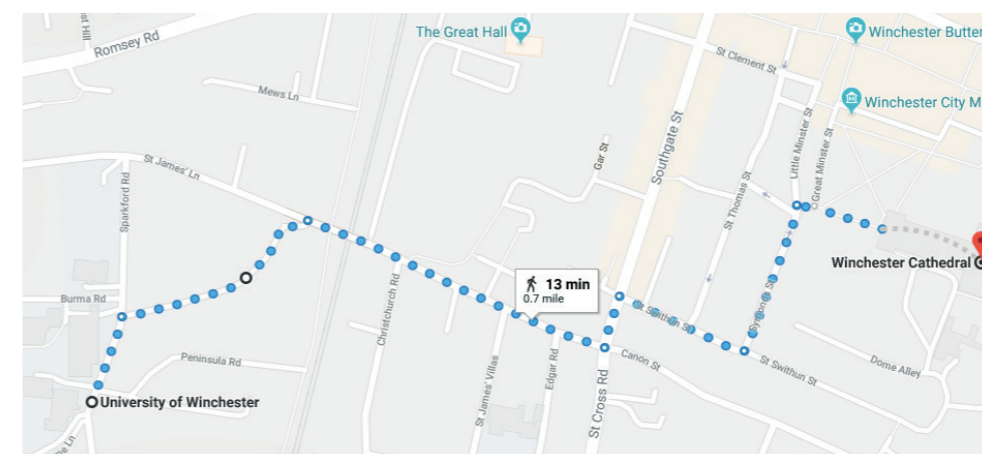
WINCHESTER CATHEDRAL GARDENS, WEDNESDAY 4TH JULY 2018

19:00 until 21:00

Drinks and canapes will be served in the Garden Marquee with Bossard String Quartet

## LOCATION

Head for the visitors centre via the main gate, turn left by the shop and follow the signs for the gardens.



# 5<sup>TH</sup> MEETING OF THE BRITISH RADIOSURGERY SOCIETY

## TUESDAY 3<sup>RD</sup> JULY 2018

# GALA DINNER

## THURSDAY 5<sup>TH</sup> JULY 2018

### GUILDHALL WINCHESTER

The Broadway  
Winchester  
Hampshire  
SO23 9GH

### PROGRAMME

#### 13:00 Registration and sandwich lunch

|       |   |  |
|-------|---|--|
| 13:30 | Welcome and introduction  | Matthias Radatz  |
| 13:40 | Oxford SRS planning experience  | Clare Tunstall   |
| 14:00 | The efficiency index  | Ian Paddick, Alex Dimitriadis                                  |
| 14:15 | "Finishing the job". The role of SRS in the vein of galen malformation service at Great Ormond Street Hospital  | Greg James   |
| 14:30 | Quality of life and trigeminal neuralgia  | Joanne Rodgers   |
| 14:40 | The debate of radiosurgery induced malignancy update  | JG Rowe  |
| 15:00 | Refreshment break   |  |
| 15:30 | Current status of radiosurgery in India   | Manjul Tripathy  |
| 15:50 | Nuances of gamma knife radiosurgery for upper cervical spine lesions with Leksell frame fixation at maxilla   | Amanjot Kaur,<br>Manjul Tripathi                               |
| 16:00 | Gamma knife treatment of cerebral metastases at different prescription isodose lines  | Cornel Tancu, Alexis Dimitriadis,<br>Ian Paddick, Neil Kitchen |
| 16:15 | Managing radiosurgery NF2 service   | Dean Winter  |
| 16:25 | The accuracy of brain metastases and benign condition contouring for stereotactic radiosurgery (SRS) by neuro-oncologists - What do the neuro-radiologist and neuro-surgeon add?  | Claire Hobbs   |
| 16:40 | Staged radiosurgery for large metastases  | Ian Paddick  |
| 16:55 | Sponsor presentation - industry overview of each radiosurgery hardware manufacturers  | Brainlab, Elekta   |
| 17:10 | Business meeting <ul style="list-style-type: none"> <li>■ Individual centre experience</li> <li>■ Commissioning issues                 <ul style="list-style-type: none"> <li>- "The Dashboard"</li> <li>- Other tumors and IFR's</li> <li>- Referral to other centres</li> </ul> </li> <li>■ Funding of BRSS</li> <li>■ Linking with the International Radiosurgery Society</li> </ul> |  |

#### 17:30 Meeting close



### GUILDHALL WINCHESTER

The Broadway  
Winchester  
Hampshire  
SO23 9GH

BNOS would like to welcome you all to the gala dinner at Winchester Guildhall.

The dress code is evening wear (dress to impress, black tie is optional). You must pre-book and pay to attend.

Tickets available at £75.00 per ticket. Please speak to a member of the events team if you have not already booked tickets.

A cloakroom will be available.

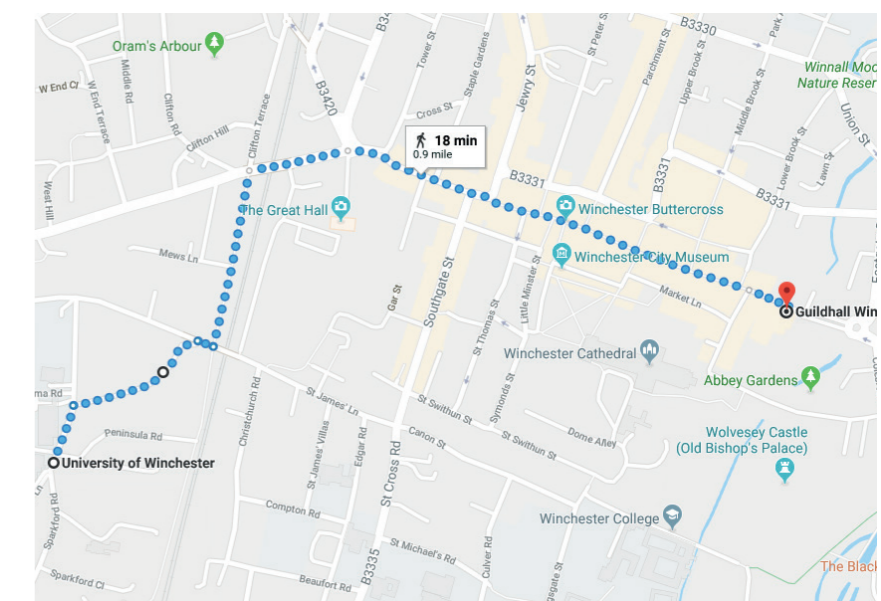
19:00 - Drinks reception

20:00 - Dinner service

21:15 - Speeches

21:30 - Live music

01:00 - Carriages



# BIOGRAPHIES

## PROFESSOR ALF COLLINS

Professor Alf Collins is a doctor, commissioner, researcher and national policy advisor in person-centred care. He has researched and published widely on self-management support, shared decision making, care planning, co-production, patient activation and patient engagement.

Alf has worked with others to develop a number of measures of person-centred care, including the 'clinician support for patient activation measure'.

He has a visiting professorship in person-centred care from Coventry University and Honorary Fellowships at the Royal College of Physicians and the Royal College of General Practitioners.



## PROFESSOR GARTH CRUICKSHANK

Prof Garth Cruickshank is Prof of Neurosurgery at the University of Birmingham and a Consultant Neurosurgeon at the Queen Elizabeth Hospital in Birmingham UK. Prior to medicine he obtained his PhD in Pharmacology looking at beta receptor function in differing cell types. He trained in London and at the Institute of Neurological Sciences in Glasgow with Graham Teasdale as Senior Lecturer until taking the Chair in Birmingham. At the INS he worked with Roy Rampling on glioma hypoxia in patients at surgery and viral therapy. In the last twenty years he has worked on viral oncolytic based immunotherapy with HSV1716, as well drug delivery to the brain using such pharmacokinetic models as BPA delivery of Boron to glioma for BNCT, and direct depot therapy of drugs to tumours at operation (Irinotecan loaded beads). He has performed as PI and CI on a number of trials including some of the early Temozolomide studies and more recently the Bevacisumab (Roche), Abbvie and NorthWestern DCvax program. In 2006 the Improving Outcome Guidance (IOG) was published which has done much to progress neurooncology as a commissioned speciality in the UK. Prof Cruickshank as clinical lead, has worked in the last two years to publish the new NICE clinical guidelines for brain tumour patients to set the NHS structures for those with Gliomas, and for the first time Meningiomas and Metastases. He Chairs the Secretary of States Medical Panel on Neurological Disorders and Driving.



## MR MICHAEL JENKINSON

Michael Jenkinson is a senior lecturer and honorary consultant neurosurgeon at the University of Liverpool and Walton Centre NHS Foundation Trust (<https://www.liverpool.ac.uk/translational-medicine/staff/michael-jenkinson/>). He sub-specialises in neurosurgical oncology including awake craniotomy, intraventricular/pineal tumours and stereotactic radiosurgery.

He chairs the National Cancer Research Institute brain tumour Clinical Studies Group, as well as being a member of the Society of British Neurological Surgeons academic committee, and associate editor of the British Journal of Neurosurgery.

His research interests include cerebral metastases and meningioma, and clinical studies on quality of life in brain tumours. He is the recipient of grants for basic science and clinical research from the MRC and NIHR including as chief investigator for the international, multi-centre ROAM-1308 trial (Radiation versus Observation following surgical resection of Atypical Meningioma) and co-chief investigator on the BASICS trial (The British Antibiotic and Silver Impregnated Catheters for ventriculoperitoneal Shunts randomised controlled trial).



# BIOGRAPHIES

## PROFESSOR CHRISTIAN OTTENSMEIER

Professor Christian Ottensmeier is Professor of Experimental Medicine within Medicine at the University of Southampton.

Christian Ottensmeier is Professor in Experimental Cancer Medicine. He graduated in Münster, Germany and began his specialist training there. After a 3 year training fellowship in the Dana Farber Cancer Institute in Boston, Massachusetts, he moved to Southampton. He completed his oncology training and also undertook his PhD here. He has been a consultant in medical oncology since 2000.

Clinically his interests are thoracic malignancies and melanoma, and he has co-developed a number of national NCRI studies in lung cancer. He manages a broad and active clinical trials portfolio in both lung cancer and melanoma.



## MS HOLLY MATTHEWS

TV actress, award winning vlogger, Business and Mindset coach to female entrepreneurs, speaker, Founder of The Happy Me Project online course & LIVE workshops and Mum of two girls.

This year I am also co-author of two books, one of which is already an Amazon best seller!!

I don't believe we have to be ONE thing, I believe we are many things throughout our lives and the more we embrace that, the happier we can be.

I adore helping people see their own potential and live a life where they can be free to choose, I'm obsessed with it, you deserve a GREAT life!

I'm also a qualified life coach, Law of Attraction advanced practitioner and green tea drinking hippy!



## DR MANAV PATHANIA

Manav Pathania is a Postdoctoral Research Associate in Professor Paolo Salomoni's lab at the UCL Cancer Institute in London.

His PhD work was carried out at Yale University with Professor Angelique Bordey, where he investigated microRNA control of postnatal neural stem cell differentiation and survival. His first Postdoctoral appointment was in Professor Josef Kittler's lab at UCL, where he explored the neurobiological consequences of autism and schizophrenia candidate gene misexpression.

His current research has focused on developing in vivo models of paediatric high-grade glioma to better understand how histone mutations and chromatin deregulation lead to tumour development.

Going forward he plans on investigating how epigenetic rewiring supports tumour initiation and maintenance in gliomas, and whether these mechanisms also contribute to the emergence of therapy resistance.



# BIOGRAPHIES

## DR VIVIANE TABAR

Viviane Tabar, MD is the Chair of the Department of Neurosurgery and the Theresa C Feng Chair in Neuro-Oncology at Memorial Sloan Kettering Cancer Center in New York. She is a neurosurgeon with expertise in glioma and endoscopic skull base surgery, as well as a scientist with expertise in stem cell biology. She did her postdoctoral training at the National Institutes of Health and her fellowship in Neurosurgical Oncology at Memorial Sloan Kettering Cancer Center in New York. Her lab work is focused on harnessing the regenerative potential of human stem cells towards repairing the brain. She is co-PI of the NYSTEM consortium for cell-based therapy for Parkinson's disease, and has recently extended her cell therapy work to include repair of radiation injury to the brain. She has also developed the first human ES cell based model of brain tumors leading to the discovery of a novel target pathway and a potential new therapy. Dr Tabar was recently elected to the National Academy of Medicine. She has received several awards from the New York Academy of Medicine and the American Association of Neurological Surgeons, and was elected to the membership of the American Society for Clinical Investigation.



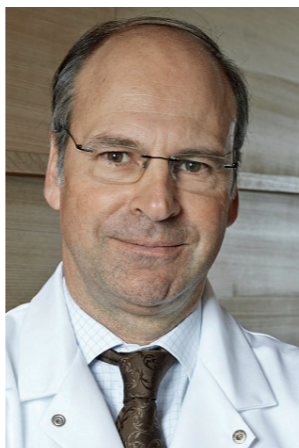
## DR GERRY THOMPSON

Gerry Thompson is a Senior Clinical Lecturer in Radiology at the University of Edinburgh, and an Honorary Consultant Neuroradiologist in NHS Lothian. He trained in Radiology in the North West of England, receiving a PhD in advanced imaging of glioma from the University of Manchester in 2013. He worked as a Consultant there before taking up his current post in Edinburgh in 2016. His main clinical and research interests are in Neuro-Oncology imaging, particularly advanced uses of MRI and PET to: improve tumour detection; provide more useful information on tumour development and behaviour; and incorporate this into treatment planning and response assessment.



## PROFESSOR DAMIEN C. WEBER

Damien C. Weber received his medical degree, Doctorate and Private Docent at the University of Geneva. He trained as a radiation oncologist and worked as a Research and Clinical Fellow at the Northeast Proton Therapy Center, Harvard Medical School. He is currently the Chairman of the Center for Proton Therapy, PSI since 2013 and has a faculty position at the University of Bern and Zurich. His domain of expertise is Neuro-Oncology and paediatrics. He is currently the Chair-elect of the Radiation Oncology Group of the European Organisation for the Research and Treatment of Cancer (EORTC) and co-founder of the European Particle Therapy Network, ESTRO. He is also a member of the RTQA Committee of the American Society for Radiation oncology (ASTRO) and an active member in several other international societies (European Society for Radiation Oncology ESTRO and International Society for Paediatric Oncology SIOP).



# BIOGRAPHIES

## DR LIAM WELSH

Dr Liam Welsh is a Consultant Clinical Oncologist specialising in the treatment of adults with central nervous system tumours.

Dr Welsh read Natural Sciences at Cambridge University, specialising in Physics, and then stayed on at Cambridge to complete a PhD in Biophysics in 1997. Following a period of post-doctoral research in the Biochemistry Department in Cambridge, Dr Welsh attended medical school and graduated from the Guy's, King's and St. Thomas' School of Medicine, University of London in 2004, and was proxime accessit to the University of London gold medal.

After completing general medical training in London, he trained in clinical oncology at The Royal Marsden NHS Foundation Trust and Guy's and St. Thomas' Hospitals. During his clinical oncology training Dr Welsh obtained an MSc in Oncology from The Institute of Cancer Research, London in 2012, graduating with distinction, and then undertook a two-year period of research in functional imaging in head and neck cancer, also at The Institute of Cancer Research. He gained the Fellowship of the Royal College of Radiologists (FRCR) in 2011, and completed specialist training in 2015.

Dr Welsh joined the Neuro-Oncology Unit of The Royal Marsden as a Consultant in Clinical Oncology in 2015. He is a member of the EORTC Brain Tumour Group, and is a co-investigator in a number of national and international trials in neuro-oncology. He has a special interest in stereotactic radiosurgery for brain metastases, and other intra-cranial tumours.



## MR PUNEET PLAHA

Puneet Plaha is Consultant Neurosurgeon in Oxford with a specialist interest in brain tumours especially Endoscopic minimally invasive surgery and Awake surgery.

He qualified in Medicine from one of India's premier institutes, JIPMER, Pondicherry University in 1996 and completed his Masters degree in Surgery from the same institute in 2000. He undertook a MD degree from Bristol in 2011. He completed his neurosurgical training programme as part of the South West rotation (Bristol and Plymouth) from 2005-2010 and a 1yr Endoscopic pituitary fellowship in 2010-11 and Skull base fellowship 2011-12 in Oxford.

He is a Consultant Neurosurgeon at the John Radcliffe Hospital, Oxford. He has been Clinical Lead for the Oxford Brain and Spine MDT and Neuro oncology Lead for Thames Valley since Aug 2012.

He set up UK's first International "3D White fibre Dissection course" in Oxford and is the Course director. He is faculty and lecturer on the Operative Skills in Neurosurgery Course at the Royal College of Surgeons of England since 2012.



## MR ALI NADER-SEPAHI

I am a Consultant Spinal Neurosurgeon with expertise in microsurgical techniques, decompression with either fusion or disc replacement. These options are used for treatment of compression of nerve roots in the lumbar and cervical spine.

Compression can cause sciatica (back and leg pain), pins and needles, neck pain and myelopathy (spinal cord compression in the neck). Nerve root compression can also occur causing arm pain with weakness and numbness of the arms and hands.

In addition, I have a special interest in treatment of spinal cord tumours, spinal tumours, Chiari malformation and syringomyelia (pain and clumsiness in the hands with loss of balance).



# PROGRAMME

## WEDNESDAY 4<sup>TH</sup> JULY 2018

STRIPE AUDITORIUM, GROUND FLOOR, THE STRIPE BUILDING

|       |  |  |
|-------|--|--|
| 09:00 | Registration   | The Foyer, Ground Floor, The Stripe Building |
| 09:00 | Refreshments and exhibition  | The Dining Room, Level 3, University Centre  |
| 10:00 | Welcome to Winchester BNOS 2018<br>Chair of local organising committee | Mr Paul Grundy                               |
| 10:05 | Welcome to BNOS 2018<br>President of BNOS                              | Prof Silvia Marino                           |

| TOPIC: CEREBRAL METASTASES |   | CHAIRS: Mr Paul Grundy and<br>Dr Omar Al-Salihi |
|----------------------------|---|---|
| 10:15                      | Imaging for cerebral metastases - Current and future approaches       | Dr Gerry Thompson                               |
| 10:45                      | Surgery for cerebral metastases - Current and future approaches       | Dr Viviane Tabar                                |
| 11:15                      | Radiotherapy for cerebral metastases - Current and future approaches  | Dr Liam Welsh                                   |
| 11:45                      | Immunotherapy for cerebral metastases - Current and future approaches | Prof Christian Ottensmeier                      |
| 12:15                      | Pathology for cerebral metastases - Current and future approaches     | Dr Mark Walker                                  |

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|-------|--|---|
| 12:45 | Discussion   |   |
| 13:00 | Lunch and exhibition<br>Grab bag lunches will be available outside the Stripe Auditorium for the lunchtime seminar | The Dining Room, Level 3, University Centre |

|       |   |   |
|-------|---|---|
| 13:00 | LUNCHTIME SEMINAR:<br>BRIAN the charity's Brain tumouR Information and Analysis Network | THE BRAIN TUMOUR CHARITY<br>Prof Keyoumars Ashkan |
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|       |  |  |
|-------|--|--|
| 14:00 | KEYNOTE LECTURE:<br><br>2018 NICE guidelines for the management of primary and secondary brain tumours impact on current practice, on-going controversies and challenges | CHAIRS: Mr David Jellinek and Dr Jeremy Rees<br><br>Prof Garth Cruickshank |
|-------|--|--|

|       |   |                                       |
|-------|---|---------------------------------------|
| 14:50 | KEYNOTE LECTURE: INTRODUCTION<br>Big data and stereotactic radiosurgery - Current and future approaches | Mr Paul Grundy<br>Mr Stefan Vilsmeier |
|-------|---|---------------------------------------|

# PROGRAMME

## WEDNESDAY 4<sup>TH</sup> JULY 2018

STRIPE AUDITORIUM, GROUND FLOOR, THE STRIPE BUILDING

| TOP SCORING PAPERS |  | CHAIRS: Prof Silvia Marino and<br>Dr Manav Pathania |
|--------------------|--|---|
| 15:15              | Genomic profiling of primary and matched recurrent glioblastoma tumours reveals that the mutational landscape includes clinically actionable variation                   | Dr Kathreena Kurian                                 |
| 15:25              | Three-dimensional multicolour lineage tracing of intrinsic brain tumour models   | Mr James Innes                                      |
| 15:35              | SERPINE1 identified as potential therapeutic target through RNA-Seq of clinically relevant invasive glioblastoma cells isolated from patients by 5-ALA based methodology | Mr Jonathan Rowlinson                               |

|       |                             |   |
|-------|-----------------------------|---|
| 15:45 | Refreshments and exhibition | The Dining Room, Level 3, University Centre |
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| TOPIC: MULTI-DISCIPLINARY CASE DISCUSSIONS |  |   |
|--|--|---|
| 16:15                                      | Multi-disciplinary case discussions - What would you do? | Mr Paul Grundy<br>Dr Harriet Joy<br>Dr Omar Al-Salihi<br>Dr Mark Walker |

| TOP SCORING PAPERS |  | CHAIRS: Prof Sebastian Brandner and<br>Prof Colin Watts |
|--------------------|--|---|
| 17:00              | Intraoperative Raman spectroscopy identifies key mutations in human glioma - A new platform for precision medicine                               | Dr Babar Vaqas  |
| 17:10              | Exploring alignment-free sequence comparison methods to elucidate patterns of evolution and heterogeneity in longitudinal glioma patient cohorts | Dr Darragh McArt  |
| 17:20              | Lineage specified neural precursor cells as cell of origin of glioblastoma   | Mr James Boot   |

|       |                      |  |
|-------|----------------------|--|
| 17:30 | BNOS council meeting | Stripe Meeting Room,<br>1 <sup>st</sup> Floor, The Stripe Building |
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|       |  |                              |
|-------|--|------------------------------|
| 19:00 | Welcome reception<br>Champagne and canapes on arrival with Bossard string quartet. | Winchester Cathedral Gardens |
|-------|--|------------------------------|

The electronic abstract booklet is available online at [www.bnosconference.co.uk/bnos-conference-2018/programme](http://www.bnosconference.co.uk/bnos-conference-2018/programme).

# PROGRAMME

## THURSDAY 5<sup>TH</sup> JULY 2018

STRIPE AUDITORIUM, GROUND FLOOR, THE STRIPE BUILDING

|       |  |   |
|-------|--|---|
| 07:30 | Breakfast grab bags available to take to breakfast seminar | The Dining Room, Level 3, University Centre |
| 08:00 | Registration   | The Foyer, Ground Floor, Stripe Building    |
| 08:00 | Refreshments and exhibition                                | The Dining Room, Level 3, University Centre |

|       |  |  |
|-------|--|--|
| 08:00 | <b>BREAKFAST SEMINAR:</b><br>New horizons in brain tumour research | <b>CANCER RESEARCH UK</b><br>Dr Safia Danovi |
|-------|--|--|

|       |   |                                   |
|-------|---|-----------------------------------|
| 09:00 | <b>KEYNOTE LECTURE: INTRODUCTION</b><br>Endoscopic resection of intrinsic brain tumours - Current and future approaches | Mr Paul Grundy<br>Mr Puneet Plaha |
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|       |  |                                      |
|-------|--|--------------------------------------|
| 09:30 | <b>KEYNOTE LECTURE: INTRODUCTION</b><br>A preclinical model of mutant histone-driven paediatric glioma | Dr Ruman Rahman<br>Dr Manav Pathania |
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|  | <b>ORAL PRESENTATIONS:</b><br>Glioblastoma treatment | <b>CHAIRS:</b> Prof Colin Watts and<br>Prof Adam Waldman |
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|-------|---|---------------------|
| 10:00 | Large volume re-irradiation is a viable option in patients with recurrent refractory glioblastoma   | Prof Michael Back   |
| 10:10 | Reoperation in glioblastoma - Is it worth it?   | Mr Benjamin Hall    |
| 10:20 | The survival of glioblastoma multiforme patients after burr hole biopsy based on their post biopsy treatment with or without chemotherapy and or radiotherapy | Mr Georgios Zilidis |

|       |                             |   |
|-------|-----------------------------|---|
| 10:30 | Refreshments and exhibition | The Dining Room, Level 3, University Centre |
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|       |   |                                    |
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| 11:00 | <b>KEYNOTE LECTURE: INTRODUCTION</b><br>Shared decision making in neuro-oncology - What is it and why does it matter? | Mr Paul Grundy<br>Prof Alf Collins |
|-------|---|------------------------------------|

|       |   |  |
|-------|---|--|
| 11:30 | <b>STEPHEN BAKER MEMORIAL LECTURE:</b><br>Communication with patients and relatives - How to do it well. A wife's perspective | <b>THE BRAIN TUMOUR CHARITY</b><br>Ms Holly Matthews |
|-------|---|--|

|  |   |  |
|--|---|--|
|  | <b>ORAL PRESENTATIONS:</b><br>Quality of life, supportive and palliative care | <b>CHAIRS:</b> Mrs Janet Day and<br>Ms Toni Slavin |
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|       |  |                    |
|-------|--|--------------------|
| 12:00 | Shared decision making, the bridge between paternalism and autonomy  | Mr Julian Cahill   |
| 12:10 | The development of an interdisciplinary assessment clinic to address the health related quality of life (HRQOL) issues of patients with a meningioma | Mrs Serena Hartley |
| 12:20 | Neurocognitive profile of patients with hemispheric low grade astrocytoma and oligodendroglioma  | Mr Alex Leggate    |
| 12:30 | How should we support patients with primary brain tumours who elect to take Cannabinoids?  | Ms Jessica La      |
| 12:40 | Patient satisfaction with day-case brain biopsy  | Ms Joy Roach       |
| 12:50 | Neuropsychology contributions to the neuro-oncology MDT  | Dr Stuart Anderson |

|       |  |   |
|-------|--|---|
| 13:00 | Lunch and exhibition<br>Grab bag lunches will be available outside the Stripe Auditorium for those attending lunchtime seminar | The Dining Room, Level 3, University Centre |
|-------|--|---|

# PROGRAMME - PARALLEL SESSIONS

## THURSDAY 5<sup>TH</sup> JULY 2018

STRIPE LECTURE THEATRE, 1<sup>ST</sup> FLOOR, THE STRIPE BUILDING

|  |  |   |
|--|--|---|
|  | <b>PARALLEL SESSIONS</b><br>ORAL PRESENTATIONS: High-grade glioma research | <b>CHAIRS:</b> Prof Silvia Marino and<br>Prof Geoffrey Pilkington |
|--|--|---|

|       |   |                    |
|-------|---|--------------------|
| 10:10 | Repurposing verteporfin as a potential new therapeutic to kill highly resistant, hypoxic glioma cells | Ms Katherine Eales |
| 10:20 | Actinomycin-D downregulates Sox-2 and reduces tumour growth in a pre-clinical model of glioblastoma   | Ms Jessica Taylor  |

|  |   |   |
|--|---|---|
|  | <b>PARALLEL SESSIONS</b><br>ORAL PRESENTATIONS: Glioma research | <b>CHAIRS:</b> Dr Ruman Rahman and<br>Prof Sebastian Brandner |
|--|---|---|

|       |   |   |
|-------|---|---|
| 12:00 | L1 cell adhesion molecule (L1CAM) and phosphorylated fibroblast growth factor receptor 1 (pFGFR1) expression positively correlates with neurological malignancies | Ms Naomi Egbivwie                       |
| 12:10 | Novel drug targets to augment temozolomide sensitivity in high-grade brain tumours  | Ms Natasha Carmell                      |
| 12:20 | Human glioblastoma genesis mechanism from subventricular zone - Firework pattern glioblastoma genesis   | Professor Seok-Gu Kang                  |
| 12:30 | MicroRNA analysis of the invasive margin of glioblastoma reveals druggable therapeutic targets in lipid metabolism pathways                                       | Mrs Huda Alfardus                       |
| 12:40 | Clinically deliverable Optune and Deep Brain Stimulator generated electrical fields have variable efficacy on different types of brain tumour                     | Mr Joshua Branter                       |
| 12:50 | miRNA expression and its functional effects in paediatric astrocytoma   | Dr Maria de los Angeles Estevez-Cebrero |

# PROGRAMME

## THURSDAY 5<sup>TH</sup> JULY 2018

STRIPE AUDITORIUM, GROUND FLOOR, THE STRIPE BUILDING

| LUNCHTIME SEMINAR |  | BRAINLAB                      |
|-------------------|--|-------------------------------|
| 13:00             | Overview Brainlab oncology portfolio   | Mrs Tara Djanani              |
| 13:10             | Clinical utilisation of elements multiple brain mets SRS                         | Mr Roberto Spiegelmann        |
| 13:30             | Identifying response patterns earlier using elements contrast clearance analysis | Mrs Prof Dr Hale Başak Çağlar |
| 13:50             | Q&A  |                               |

| ORAL PRESENTATIONS:<br>Intrinsic tumours - Clinical |   | CHAIRS: Dr Jeremy Rees and<br>Mr Andrew Brodbelt |
|---|---|--|
| 14:00   | First UK experience with navigated transcranial magnetic stimulation in pre-surgical mapping  | Dr Josephine Jung                                |
| 14:10   | Synergistic effect of targeted gene therapy with cisplatin for the treatment of medulloblastoma   | Mrs Mariam Albahrani                             |
| 14:20   | Seizure prophylaxis in glioma - UK neurosurgical survey and clinical trial  | Mr Michael Jenkinson                             |
| 14:30   | Low grade glioma clinic - Establishing an innovative service based on a multidisciplinary approach  | Miss Charlotte Robinson                          |
| 14:40   | Day-case brain tumour biopsy - Our experience over eight years  | Mr Oliver Richards                               |
| 14:50   | Functionally guided supramaximal resection of IDH-wildtype glioblastomas and the effect on progression free survival                                | Mr Laurent James Livermore                       |
| 15:00   | Prognostic indices for brain metastases - Which best reflects a UK cohort, and what is the prognosis of our metastasis patients?                    | Ms Kathrin Whitehouse                            |
| 15:10   | A phase I expansion study of pegargimase, cisplatin and pemetrexed in argininosuccinate synthetase 1-negative recurrent high grade gliomas (HGGs)   | Dr Peter Hall                                    |
| 15:20   | Stereotactic radiosurgery for patients with melanoma and multiple brain metastases - Experience during the era of immunotherapy and targeted agents | Dr Paul Sanghera                                 |

15:30 Refreshments and exhibition

The Dining Room, Level 3, University Centre

|       |  |   |
|-------|--|---|
| 15:45 | POSTER SESSION WITH REFRESHMENTS<br>Please use this opportunity to view the posters. Authors will be available for question and answers. Drinks will also be made available throughout this session. | The Vault, Ground Floor,<br>University Centre |
|-------|--|---|

17:15 AGM

Stripe Auditorium, Ground Floor, The  
Stripe Building

19:00 Drinks reception

Winchester Guildhall

20:00 Gala dinner - 70<sup>th</sup> birthday celebration of the NHS

# PROGRAMME - PARALLEL SESSIONS

## THURSDAY 5<sup>TH</sup> JULY 2018

STRIPE LECTURE THEATRE, 1<sup>ST</sup> FLOOR, THE STRIPE BUILDING

| PARALLEL SESSIONS<br>ORAL PRESENTATIONS: Imaging research |   | CHAIRS: Dr Harriet Joy and<br>Prof Adam Waldman |
|---|---|---|
| 14:00   | Rapid genetic classification of gliomas using Raman spectroscopy  | Mr Laurent James Livermore                      |
| 14:10   | Neuroimaging classification of progression patterns in glioblastoma - A systematic review   | Mr Rory Piper                                   |
| 14:20   | Is dynamic susceptibility contrast perfusion-weighted MRI reliable in the estimation of IDH mutation in gliomas?  | Dr S. Eser Sanverdi                             |
| 14:30   | Diffusion kurtosis imaging identifies the IDH mutation status of gliomas  | Dr Gehad Abdalla                                |
| 14:40   | Characterization of radiotherapy-induced cerebral microbleeds with ultra-high field MRI: experience in young and adult brain tumour population  | Dr Melanie Morrison                             |
| 14:50   | Radiomic features from physiological MRI shows improved accuracy over structural MRI in predicting MGMT promoter methylation in glioblastoma  | Mr Chao Li                                      |
| 15:00   | Association between metabolic parameters from dynamic 18F-fluoromethylcholine PET, pharmacokinetic parameters from DCE-MRI, choline to creatine ratios from MRS and tissue immunohistochemistry for choline kinase alpha expression in human brain glioma | Dr Matthew Grech-Sollars                        |
| 15:10   | The accuracy of brain metastases contouring for stereotactic radiosurgery (SRS) by neuro-oncologists; what do the neuro-radiologist and neuro-surgeon add?  | Dr Claire Hobbs                                 |
| 15:20   | Accuracy of contouring by neuro-oncologists for delivery of fractionated stereotactic radiotherapy (fSRT) and stereotactic radiosurgery (SRS) for benign intracranial conditions; what do the neuro-radiologist and neuro-surgeon add?                    | Dr Claire Hobbs                                 |

The electronic abstract booklet is available online at [www.bnoscconference.co.uk/bnos-conference-2018/programme](http://www.bnoscconference.co.uk/bnos-conference-2018/programme).



# POSTER CONTENT

## THURSDAY 5<sup>TH</sup> JULY 2018

THE VAULT, GROUND FLOOR, UNIVERSITY CENTRE

| A   | SCIENCE   | AUTHOR               |
|-----|---|----------------------|
| A1  | Effects of dietary lipids on cell viability and stemness in glioblastoma spheroids  | Jane Elizabeth Alder |
| A2  | Development of nanoparticles with 'improved drug loading' for local delivery to the brain in the treatment of medulloblastoma                         | Rashidat Animasawun  |
| A3  | Inhibiting Hexokinase 2 implicates a reduction of cell proliferation and drug resistance  | Daniel Blakeway      |
| A4  | Optimising the 3D Hi-Spot culture model for glioblastoma  | Jo Brown             |
| A5  | Circulating miRNA expression in glioblastoma patients & its effect on cell migration  | Zenab Butt           |
| A6  | Epigenetic adaptation to therapy in glioblastoma - Popping the hood on therapeutic resistance   | Seamus Caragher      |
| A7  | Investigating the role of TAM family receptors in Merlin deficient tumours  | Foram Dave           |
| A8  | Developments in molecular pathology testing for glioma  | Ros Ganderton        |
| A9  | Autophagy induced cell death of paediatric brain tumours by glucose restriction   | George Lockwood      |
| A10 | Variable RNA sequencing depth impacts gene signatures and target compound robustness - Case study examining brain tumour (glioma) disease progression | Darragh McArt        |
| A11 | Impact of caveolin-1 in microglial/macrophages and glioblastoma within a tumour environment   | Catia Neto           |
| A12 | FA-based combinations to target the DNA damage response in glioblastoma   | Ola Rominiyi         |

| B  | IMAGING  | AUTHOR             |
|----|--|--------------------|
| B1 | Stacked In-plane Histology for Quantitative MRI Assessment - Application to An infiltrative Brain Tumour Model   | Haitham Al-Mubarak |
| B2 | Systematic review and meta-analysis: arterial spin labelling (ASL) efficiency in grading of adults glioma  | Amirah Alsaedi     |
| B3 | Correlation between APT-CEST and 18F-Choline PET in glioma at 3T   | Harpreet Hyare     |
| B4 | Cross-centre reproducibility of advanced quantitative diffusion parameters for neurooncology assessment  | Shah Islam         |
| B5 | Feasibility and utility of arterial spin labelling perfusion in neuro-oncology MRI protocols in the UK   | Julia Markus       |
| B6 | Radiomic evaluation of treatment response in patients with glioblastoma - A pilot study  | Markand Patel      |
| B7 | Early delayed radiation-induced brain injury in mice - Preliminary findings using magnetic resonance imaging   | Abdulrahman Qaisi  |
| B8 | Segmentation of brain tumor in fluid-attenuated inversion recovery magnetic resonance imaging by gray-level occurrence matrix and extreme learning machine | Yudong Zhang       |

| C   | CLINICAL - PRIMARY TUMOURS  | AUTHOR            |
|-----|---|-------------------|
| C1  | A case of metastatic gliosarcoma  | Morag Brothwell   |
| C2  | Diagnostic Interval for paediatric patients presenting after the HeadSmart campaign - Experience in a district general hospital   | Charlotte Burford |
| C3  | An audit of the management of elderly patients with glioblastoma in the UK - Have recent trial results changed treatment?   | Ming Chong        |
| C4  | Identification and validation of novel aptamers for the diagnosis and treatment of oligodendroglioma  | Catherine Coxon   |
| C5  | Retrospective single centre review of temozolomide (TMZ) vs procarbazine, carboplatin, vincristine (PCV) chemotherapy in patients with glioblastoma (GBM) WHO grade IV at first relapse following treatment with the Stupp protocol | Angela Swampillai |
| C6  | Kent experience with 1st line Temozolamide in elderly patients with High Grade Glioma   | Jessica Gough     |
| C7  | Analysis of cranial adult pilocytic astrocytomas over a 10 year period  | Alex Leggate      |
| C8  | Glioblastoma in older patients; the impact of the Perry trial on treatment strategies in the UK   | Cressida Lorimer  |
| C9  | The challenges of treating a high grade glioma in a pregnant patient  | Priyanka Patel    |
| C10 | Treating high-grade glioma (HGG) in the elderly - Has anything changed?   | Anna Solth        |
| C11 | Glioblastoma in Wales 2011 - 2015 - A report  | Ravi Vemaraju     |
| C12 | Glioblastoma multiforme - Search for biomarkers   | Marian Vintu      |
| C13 | Children's Brain Tumour Drug Delivery Consortium  | Ruman Rahman      |

# POSTER CONTENT

## THURSDAY 5<sup>TH</sup> JULY 2018

THE VAULT, GROUND FLOOR, UNIVERSITY CENTRE

| D   | CLINICAL - PATHWAYS, QOL, DATA  | AUTHOR             |
|-----|---|--------------------|
| D1  | Exploring how National Cancer Registry data can be used for the benefit of the brain tumour community   | Helen Bulbeck      |
| D2  | CaFLe: A novel naming test for use during awake craniotomy for tumour resection   | Casidhe Edwards    |
| D4  | Neuro-oncology patients should have access to a tumour-site-specific "Health & Wellbeing" workshop  | Victoria Hurwitz   |
| D5  | A dedicated neuro-oncology clinic for teenagers and young adults  | Dejan Jakimovski   |
| D6  | Improving patient satisfaction - Introduction of a telephone results clinic in Neuro-Oncology follow-up   | Helen Joyce        |
| D7  | Is it time to radically change the two week wait (2WW) referral pathway for suspected brain and CNS cancer?   | Philip Kane        |
| D8  | Intensive inpatient neuro-oncology rehabilitation - a new model of care - An evaluation of the first 6 months of this unique service at St. Bartholomew's hospital      | Tara Lacey         |
| D9  | Support group for newly diagnosed patients with brain tumours   | Laura Mullens      |
| D10 | How effective is the 2 Week Wait (2WW) referral pathway; at detecting patients with CNS tumours; differentiating patients with a tumour from patients without a tumour? | Daniel Porter      |
| D11 | Doing research using apps in the NHS is harder than it should be  | Alasdair G. Rooney |
| D12 | The Neurosurgical Admissions pro-forma  | Sameera Sharma     |
| D13 | A nurse led clinic improves care for patients with Glioblastoma and tumour treating fields  | Antonia Thorpe     |
| D14 | Can a local neuro-oncology database contribute to clinical research? A feasibility study  | Hiba Wanis         |

| E   | METASTASES AND OTHER CNS TUMOURS  | AUTHOR                |
|-----|---|-----------------------|
| E1  | Pineal parenchymal tumour of intermediate differentiation (PPTID) - Excellent response to treatment leads to an unexpected complication | Louise Dulley         |
| E2  | Diffuse large b-cell lymphoma of the choroid plexus - A case report   | Francis James Gatdula |
| E3  | Comparing neurosurgical intervention survival outcomes for intracranial metastases in patients with known or unknown primary tumours    | Damian Holliman       |
| E4  | Neurosurgical management of brain metastases - Outcomes and trends from a major neurosurgical centre                                    | Charles Hand          |
| E5  | Post-operative fractionated stereotactic radiosurgery (FSRS) to the resection cavity of brain metastases - A single institution review  | Chloë May             |
| E6  | Pineal region glioblastoma - Report of two long term survivors  | Pankaj Nanda          |
| E7  | Circulating miR-9 levels as a novel prognostic biomarker for higher-grade meningioma  | Caterina Negroni      |
| E8  | Linear accelerator stereotactic radiosurgery and radiotherapy for multiple brain metastases - Outcomes from a tertiary centre           | Helen Benghiat        |
| E9  | Intramedullary spinal cord tumours - A single centre retrospective 10 year analysis   | Oliver Richards       |
| E10 | Evaluation of response to stereotactic radiosurgery in brain metastases using multiparametric MRI                                       | Vijay Sawlani         |




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## PROGRAMME FRIDAY 6<sup>TH</sup> JULY 2018

STRIPE AUDITORIUM, GROUND FLOOR, THE STRIPE BUILDING

|       |   |  |
|-------|---|--|
| 08:00 | Registration  | The Foyer, Ground Floor, Stripe Building           |
| 08:00 | Refreshments and exhibition   | The Dining Room, Level 3, University Centre        |
| 08:30 | Presentation of prize for Young Investigator of the Year  | Prof Silvia Marino                                 |
| 08:35 | Lecture from Young Investigator of the Year   |  |
| 09:00 | ORAL PRESENTATIONS:<br>Top 6 scoring papers   | CHAIRS: Prof Geoffrey Pilkington                   |
| 09:30 | KEYNOTE LECTURE: INTRODUCTION<br>Intergrating regenerative stem cell science into cancer research   | Prof Geoffrey Pilkington<br>Dr Viviane Tabar       |
| 10:00 | KEYNOTE LECTURE: INTRODUCTION<br>Proton beam therapy for brain tumours - Current and future approaches  | Dr Omar Al-Salihi<br>Prof Damien Weber             |
| 10:30 | Refreshments and exhibition   | The Dining Room, Level 3, University Centre        |
|       | ORAL PRESENTATIONS:<br>Other CNS tumours  | CHAIRS: Dr Omar Al-Salihi and<br>Mr David Jellinek |
| 11:00 | Bridging the gap - Benefits of neurosurgical tissue for pre-clinical research   | Mr Aminul Ahmed                                    |
| 11:10 | Management and outcomes of incidental meningiomas - Is routine follow-up required?  | Mr Abdurrahman Islim                               |
| 11:20 | Gliomas genetic markers and preferential supratentorial brain locations   | Mr Isaac Phang                                     |
| 11:30 | A pilot study of the acceptance and tolerability of tumour treating fields in adult glioblastoma patients   | Mr Andrew Brodbelt                                 |
| 11:40 | KEYNOTE LECTURE: INTRODUCTION<br>Management of spinal cord tumours - Current and future approaches  | Mr Paul Grundy<br>Mr Ali Nader-Sepahi              |
| 12:00 | PRESENTATION: INTRODUCTION<br>NIHR and brain tumours  | Mr Paul Grundy<br>Mr Michael Jenkinson             |
|       | ORAL PRESENTATIONS:<br>Trials and data  | CHAIR: Dr Jeremy Rees and<br>Dr Omar Al-Salihi     |
| 12:15 | Using qualitative research methods to optimise recruitment -<br>The ROAM (radiation versus observation following surgical resection of atypical meningioma) Information Study | Mr Michael Jenkinson                               |
| 12:25 | The story behind the data - Developing the conversation about brain cancer data beyond traditional indicators   | Dr Helen Bulbeck                                   |
| 12:35 | Membrain project - Provisional results of UK national, prospective audit on the management evaluation of metastases in the brain  | Dr Josephine Jung                                  |
| 12:45 | Medulloblastoma incidence and survival - A population based study   | Dr Martin McCabe                                   |
| 12:55 | Presentation of prizes for best oral and poster presentations   | Prof Silvia Marino                                 |
| 13:00 | Lunch and exhibition  | The Dining Room, Level 3, University Centre        |
| 14:00 | Departures  |  |



NOTES

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