

## EVENT PROGRAMME

**Monday, 23<sup>rd</sup> July**

Time	Event	Venue
10.00-12.30	<b>Registration</b>	Garden Quadrangle
11.15-12.15	<b>Wiley Author Workshop:</b> How to get your research article published.	New Seminar Room
12.30- 14.30	<b>Radiological Anatomy Mini Symposium</b> Session Chair: D. Ceri Davies	Lecture Theatre, Garden Quadrangle
12.30-13.00	<b>Dr Mary Roddie</b> , Consultant Radiologist, Imperial College NHS Healthcare Trust <i>The Role of radiology in anatomy education</i>	
13.00-13.30	<b>Dr Subhasis Chakraborty</b> , Consultant Paediatric Radiologist, Oxford University Hospitals NHS Trust <i>Teaching radiology to medical students</i>	
13.30-14.00	<b>Dr Helen Taylor</b> , Consultant Radiologist Cambridge University Hospitals NHS Foundation Trust and Clinical Anatomist, Cambridge University <i>Radiology and Anatomy, the Cambridge experience</i>	
14.00-14.30	<b>Dr Nick Higgins</b> , Consultant Neuroradiologist, Cambridge University Hospitals NHS Foundation Trust <i>Deconstructing perceptions of cranial venous outflow</i>	
14.30-15.00	<b>Refreshments and pastries</b>	Garden Quad Reception Room
15.00-16.40	<b>Symposium Session 1</b> Chair: Mary Rutherford (King's College London)	Lecture Theatre, Garden Quadrangle
15.00-15.10	<b>Opening Remarks</b> <b>Zoltán Molnár</b> and <b>Gavin Clowry</b>	
15.10- 15.40	<b>David Edwards</b> (King's College London) <i>Not just a small adult brain: understanding later neurodevelopment through imaging the neonatal brain.</i>	
15.40-16.10	<b>Petra Hüppi</b> (Geneva University Hospitals) <i>Early life shapes our brain- Neuroimaging</i>	

<b>16.10-16.40</b>	<b>Ivica Kostović</b> (Croatian Institute for Brain Research) <i>Sublaminar organization of the human subplate: developmental changes in distribution of neurons, glia, growing axons and extracellular matrix</i>	
<b>16.40-17.00</b>	<b>Refreshments and cakes</b>	Garden Quad Reception Room
<b>17.00-18.30</b>	<b>Symposium Session 2</b> Chair: Patricia Garcez (Federal University of Rio de Janeiro)	Lecture Theatre, Garden Quadrangle
<b>17.00-17.30</b>	<b>Eleonora Aronica</b> (University of Amsterdam) <i>mTOR pathway-related malformations of cortical development (MCD)</i>	
<b>17.30-18.00</b>	<b>István Adorján</b> (University of Oxford) Neuroserpin during human neurodevelopment and beyond	
<b>18.00-18.30</b>	<b>Charles Newton</b> (University of Oxford) <i>Impact of intrauterine infections on brain development</i>	
<b>18.30-19.30</b>	<b>Poster Session 1 and Refreshments</b>	Garden Quad Reception Room
<b>19.30-20.30</b>	<b>Drinks Reception, Opening of Exhibition “Art of Anatomy” by Dr Clive Lee</b>	The Barn, St John’s College, St Giles
<b>20.30-22.00</b>	<b>Student event – Art of Anatomy Quiz</b>	St John’s College Bar

## Tuesday, 24<sup>th</sup> July

<b>8.30-9.30</b>	<b>Oral communications-1</b> Chair: Kieran McDermott (University of Limerick)	Lecture Theatre, Garden Quadrangle
<b>8.30-8.45</b>	<b>Hazel Allardyce</b> (University of Aberdeen) <i>Delayed nephrogenesis and renal maturation in the Taiwanese mouse model of severe Spinal Muscular Atrophy</i> (Young Investigator Prize*)	
<b>8.45-9.00</b>	<b>Rebecca Anderson</b> (University of Limerick) <i>Gene expression is altered in the embryonic and postnatal rat spinal cord following maternal immune activation at embryonic day 16</i> (Young Investigator Prize*)	
<b>9.00-9.15</b>	<b>Thomas Butts</b> (University of Liverpool) <i>Neural differentiation is independent of basal progenitor proliferation in the chick cerebellum</i>	

<b>9.15-9.30</b>	<b>Anthony Castanza</b> (University of Washington) <i>An AUTS2- and NONO-Containing RNA-Binding Complex Regulates Murine Cerebral Cortex Development</i> (Young Investigator Prize*)	
<b>9.30-11.30</b>	<b>Symposium session 3</b> Chair: Zoltán Molnár (University of Oxford)	Lecture Theatre, Garden Quadrangle
<b>9.30-10.00</b>	<b>Pasko Rakic</b> (Yale University School of Medicine) <i>Origin of primate and human-specific cortical distinctions</i>	
<b>10.00-10.30</b>	<b>Arnold Kriegstein</b> (University of California, San Francisco) Cellular and Molecular Features of Human Brain Expansion and Evolution	
<b>10.30-11.00</b>	<b>Patricia Garcez</b> (Federal University of Rio de Janeiro) <i>The pathogenesis of Congenital Zika syndrome</i>	
<b>11.00-11.30</b>	<b>Refreshments and biscuits</b>	Garden Quad Reception Room
<b>11.30-13.00</b>	<b>Symposium session 4</b> Chair: Trygve Bakken (Allen Institute for Brain Science)	Lecture Theatre, Garden Quadrangle
<b>11.30-12.00</b>	<b>Nenad Sestan</b> (Yale University School of Medicine) <i>Wired to be Human: Development and Evolution of Neocortical Circuits</i>	
<b>12.00-12.30</b>	<b>Shuichi Hayashi* and Zoltán Molnár</b> (University of Oxford) <i>Activity-dependent synaptic development of layer 5 corticothalamic projections in mice</i>	
<b>12.30-13.00</b>	<b>Fiona Francis</b> (Institut National de la Santé et de la Recherche Médicale -INSERM) <i>Progenitor cell mechanisms contributing to heterotopia</i>	
<b>13.00-14.00</b>	<b>Lunch</b>	Hall, St John's College
<b>14.00-15.20</b>	<b>Symposium session 5</b> Chair: James Bourne (Monash University)	Lecture Theatre, Garden Quadrangle
<b>14.00-14.25</b>	<b>Trygve Bakken</b> (Allen Institute for Brain Science)	

	<i>Human cortical cell type diversity revealed by single nucleus RNA sequencing</i>	
<b>14.25-14.50</b>	<b>Gavin Clowry</b> (Newcastle University) <i>Charting the protomap of the human cerebral cortex</i>	
<b>14.50-15.20</b>	<b>Xiaoqun Wang</b> (Chinese Academy of Science) <i>A single-cell RNA-seq survey of the developmental landscape of the human prefrontal cortex</i>	
<b>15.20-15.45</b>	<b>Refreshments</b>	Garden Quad Reception Room
<b>15.45- 17.15</b>	<b>Symposium session 6</b> Chair: Gavin Clowry (Newcastle University)	Lecture Theatre, Garden Quadrangle
<b>15.45-16.15</b>	<b>Robert Hevner</b> (University of California, San Diego) <i>Clonal Analysis Reveals Laminar Fate Multipotency and Daughter Cell Apoptosis of Cortical Intermediate Progenitors</i>	
<b>16.15-16.45</b>	<b>Eva Anton</b> (University of North Carolina) <i>How Tiling of Radial Glial Cells Sculpt Cerebral Cortical Development</i>	
<b>16.45-17.15</b>	<b>Bruno Motta</b> (Federal University of Rio de Janeiro) Origins and implications of universal scaling laws in the human cortical morphology	
<b>17.15-18.15</b>	<b>Oral communications 2</b> Chair: Gavin Clowry (Newcastle University)	Lecture Theatre, Garden Quadrangle
<b>17.15-17.30</b>	<b>Albert Basson</b> (King's College, London) <i>Non-monotonic dysregulation of gene expression and brain growth in mice deficient for the autism-associated chromatin remodeller CHD8</i>	
<b>17.30-17.45</b>	<b>Anna Hoerder-Suabedissen</b> (University of Oxford) Distinct thalamic innervation patterns by different subsets of cortical layer 6b neurons in mice <i>(Young Investigator Prize*)</i>	
<b>17.45-18.00</b>	<b>Roman Bauer</b> (Newcastle University) <i>Creative destruction: a basic computational model of cortical layer formation</i> <i>(Young Investigator Prize*)</i>	

<b>18.00-18.15</b>	<b>Lucy Smith</b> (Durham University) <i>Modelling the Development of Human Tissues In Vitro Using a Combination of Advanced Cell Technologies and Mammalian Stem Cells</i> (Young Investigator Prize*)	
<b>18.15-19.15</b>	<b>Poster Session 2</b>	Garden Quadrangle
<b>19.30 onwards</b>	<b>Conference Dinner</b>	Hall, St John's College
<b>Wednesday, 25<sup>th</sup> July</b>		
<b>8.30-9.30</b>	<b>Oral communications 3</b> Chair: Scott Border (University of Southampton)	Lecture Theatre, Garden Quadrangle
<b>8.30-8.45</b>	<b>Yarrow Scantling-Birch</b> (University of Southampton) <i>Do you see what I see? How histology videos can be used as an adjunct to traditional teaching</i> (Young Investigator Prize*)	
<b>8.45-9.00</b>	<b>Shiby Stephens</b> (Cardiff University) Does multilingualism affect the skills and abilities of medical students for anatomy?	
<b>9.00-9.15</b>	<b>Temitayo Alawoya</b> (University of Southampton) <i>What motivates students to study neuroanatomy? A comparison of neuroanatomy enthusiasts and a standard student population</i> (Young Investigator Prize*)	
<b>9.15-9.30</b>	<b>Shivani Rae</b> (University of Southampton) <i>A pilot study comparing the neuroanatomy knowledge of medical students and junior doctors</i> (Young Investigator Prize*)	
<b>9.30-10.55</b>	<b>Symposium session 7</b> Chair: Fiona Francis	Lecture Theatre, Garden Quadrangle
<b>9.30-9.55</b>	<b>James Bourne</b> (Monash University) <i>The marmoset as a model of human pulvinar development</i>	
<b>9.55-10.25</b>	<b>Mary Rutherford</b> (King's College London) <i>Cortical development in Downs syndrome</i>	
<b>10.25-10.55</b>	<b>Andre Goffinet</b> (University of Louvain) <i>Evolution of cortical development: the synapsid - diapsid divergence</i>	
<b>10.55-11.15</b>	<b>Refreshments</b>	

<b>11.15-12.40</b>	<b>Symposium session 8</b> Chair: István Adorján	Lecture Theatre, Garden Quadrangle
<b>11.15-11.45</b>	<b>Milos Judas</b> (Croatian Institute for Brain Research) <i>Regional differences in the distribution, number and phenotypes of interstitial neurons in the adult human telencephalon</i>	
<b>11.45-12.15</b>	<b>Kjeld Møllgård</b> (University of Copenhagen) Complexity of gliogenesis in human developing brain during mid-gestation	
<b>12.15-12.40</b>	<b>Gundela Meyer</b> (University La Laguna) <i>Cajal-Retzius cells and the development of the human hippocampal fissure</i>	
<b>12.40-12.45</b>	<b>Concluding remarks</b> Gavin Clowry and Zoltán Molnár	
<b>12.45-14.15</b>	<b>Oral communications 4</b> Chair: Imelda McGonnell (Royal Veterinary College, London)	
<b>12.45-13.00</b>	<b>Matthew Myers</b> (University of Southampton) <i>A study of the association between subarachnoid haemorrhage and amyloid-<math>\beta</math> accumulation in the cerebral perivascular drainage pathways of the human brain</i>	
<b>13.00-13.15</b>	<b>Craig Humphreys</b> (University of Liverpool) <i>Intraspecific trends of human skull variation</i> (Young Investigator Prize*)	
<b>13.15-13.30</b>	<b>Claire Fitton</b> (University of Dundee) <i>Measuring compliance in Thiel-embalmed human cadaver arteries: a novel model for endovascular research</i> (Young Investigator Prize*)	
<b>13.30-13.45</b>	<b>Mohammad Alobaidy</b> (University of Dundee and Umm AlQura University) <i>Thiel embalmed, posterior cruciate ligaments, human knee joint</i> (Young Investigator Prize*)	
<b>13.45-14.00</b>	<b>Bohneje Alexandra Ogon</b> (Royal College Of Surgeons Ireland) Novel imaging techniques for osteoarthritis in murine models (Young Investigator Prize*)	

\*Eligible for Young Investigator Prize