

34th Head Group Meeting – Craniofacial and Neural Development

28th March, 2022

Kennedy Lecture Theatre, UCL Great Ormond Street Institute of Child Health, London WC1N 1EH, UK

Time	Programme
10:00 –	Registration and Coffee
<i>Chairperson</i>	Gabriel Galea , Developmental Biology & Cancer Department, UCL GOS Institute of Child Health, London, UK
10.40 -11.00	Zoe Mann , Centre for Craniofacial Development & Regenerative Biology, King's College London, London, UK <i>Gradients in cellular metabolism regulate development of tonotopy along the chick cochlea</i>
11:00 – 11:20	Suveer Sachdeva , Centre for Craniofacial Development & Regenerative Biology, King's College London, London, UK <i>Wnt signalling, the sebaceous gland gate keeper</i>
11:20 – 11:40	Matthew Bostock , Cell and Developmental Biology Department, London, UK <i>Photoreceptors generate neuronal diversity in their target field through a Hedgehog morphogen gradient in Drosophila</i>
11:40 – 12:00	Reem Alkharji Developmental Biology & Cancer Research Department, Stem Cells and Regenerative Medicine Section, UCL GOS Institute of Child Health, London, UK <i>Investigating dystrophin in the developing human brain: focus on healthy and DMD astrocytes</i>
12:00 - 12:20	Catalina Moreno , Centre for Developmental Neurobiology, King's College London, London, UK <i>Understanding the dynamics of the extracellular matrix in the developing human brain</i>
12:20 - 12:40	Daniel Holder , Developmental Biology & Cancer Department, UCL GOS Institute of Child Health, London, UK <i>Investigating neurogenesis in the developing human brainstem</i>
12:40- 13:00	Sara Ajami , Craniofacial Group: FaceValue, UCL GOS Institute of Child Health, London, UK <i>Mechanical and morphological properties of parietal bone in patients with sagittal craniosynostosis</i>
13:00 - 14:00	Lunch
<i>Chairperson</i>	Leong Yeh , Developmental Biology & Cancer Department, UCL GOS Institute of Child Health, London, UK
14:00 - 14:20	Giada Vanacore , School of Biological Sciences, University of East Anglia, Norwich, UK <i>FGF18 – a new player in the regulation of adult Subventricular zone (SVZ) neurogenesis</i>
14:20 - 14:40	Alexandra Chittka , Wolfson Institute for Biomedical Research, UCL, London, UK <i>Metabolic reprogramming of neural stem cells by PRDM4</i>
14:40 - 15:00	Thomas Mullan , Cell and Developmental Biology Department, London, UK <i>Progressive control of unequal cell divisions by neural cell fate regulators determines embryonic neuroblast size</i>
15:00 - 15:20	Mie Wong , Cell and Developmental Biology Department, London, UK TBA
15:20 - 15:40	Tea Break
<i>Chairperson</i>	Wills Barrel , Centre for Craniofacial Development & Regenerative Biology, King's College London, UK
15:40 - 16:00	Sabaa Manshaei , Developmental Biology & Cancer Department, UCL GOS Institute of Child Health, London, UK <i>BRF1-mediated paracrine signalling by a subset of SOX2-expressing stem cells is required for normal development of the stem cell compartment and terminal differentiation of pituitary committed progenitors</i>
16:00 - 16:20	Jack Morgan , Centre for Craniofacial Development & Regenerative Biology, King's College London, UK <i>Mechanocellular Mechanisms of Palatal Shelf Elevation</i>
16:20 - 16:40	Aara Patel , Developmental Biology & Cancer Research Department, Stem Cells and Regenerative Medicine Section, UCL GOS Institute of Child Health, London, UK <i>The role of cochlear vasculature in the pathogenesis of Norrie Disease</i>
16:40 - 17:00	Susanne Dietrich , School of Pharmacy and Biomedical Sciences, University of Portsmouth, UK. TBA
<i>Chairperson</i>	Patrizia Ferretti , Developmental Biology & Cancer Department, UCL GOS Institute of Child Health, London, UK
17:00 - 18:00	<u>Peter Thorogood Memorial Lecture</u> Professor Alfonso Martinez Arias University of Cambridge and University Pompeu Fabra Gastruloids: models of gastrulation and body plan engineering
	BEST TALK PRIZES