Session 1	Welcome and PI Lightning Talks						
9.00 - 10.20	Physiology Lecture Theatre	hysiology Lecture Theatre					
9.00 - 9.10	Andrea Dimitracopoulos	Welcome from the PDN Symposium organising committee					
9.10 - 9.20	Fabian Grabenhorst	Neurophysiology of reward and social cognition					
9.20 - 9.30	Thorsten Boroviak	How to build a primate: Towards a synthetic model for primate embryogenesis					
9.30 - 9.40	Julija Krupic	Local transformations of the hippocampal cognitive map					
9.40 - 9.55	Cambridge Electronic Design	Sponsor Talk					
9.55 - 10.05	Clare Buckley	Building and Breaking Epithelial tubes: an Optogenetic approach					
10.05 - 10.15	Golnar Kolahgar	Micro-environmental control of gut renewal in Drosophila					
10.15 - 10.20	Joo-Hyeon Lee	Lung stem cells and their dynamic niche in regeneration and injury repair.					

10.20 - 10.50

TEA & COFFEE BREAK @ EXPERIMENTAL CLASSROOM

Session 2		Mechanisms in Development			
10.50 - 12.25	Hodgkin-Huxley Seminar Room				
	Presenter		Supervisor	Title	
10.50 - 11.05	Hannah Yong	Postdoc	Amanda Sferuzzi-Perri	Placental endocrine lgf2 deficiency programs insulin resistance in adult offspring	
11.05 - 11.20	Charlotte Handford	1st Year PhD	Magda Zernicka-Goetz	Morphogenetic events underlying symmetry breaking in peri- to post- implantation mouse embryo development	
11.20 - 11.45	Georgina Blake	3rd Year PhD	Erica Watson	Investigating the epigenetic mechanism behind transgenerational inheritance in germ cells of mice with abnormal folate metabolism	
11.45 - 12.10	Shruti Singla	3rd Year PhD	Magda Zernicka-Goetz	Elimination of aneuploid cells in the early mammalian embryo	
12.10 - 12.25	Alexander Campbell	MPhil	Clare Baker	Electrosensory organ development and evolution: a comparative approach	

Session 2		Immunology and Cell Migration			
10.50 - 12.35	Bryan Matthews Seminar Room				
	Presenter		Supervisor	Title	
10.50 - 11.05	Hazel Walker	1st Year PhD		Development of CRISPR/Cas9 strategies for knock-in transgenesis and conditional gene inactivation in zebrafish neutrophils	
11.05 - 11.20	Pedro Cunha	1st Year PhD		Understanding the role of arginase and nitric oxide in CD8+ T cell function	
11.20 - 11.45	Caroline Coombs	3rd Year PhD	IMIIKA Sarris	Neutrophils self-regulate their numbers and behaviour at sites of inflammation through collective chemokine receptor dynamics.	
11.45 - 12.10	Iva Filipovic	3rd Year PhD	Francesco Collicci	Ontogeny, cell identity and function of uterine Group 1 Innate Lymphoid Cells	
12.10 - 12.35	Hugo Poplimont	3rd Year PhD	Milka Sarris	Rapid propagation of calcium signals through connexins co-ordinates chemoattractant production, neutrophil chemotaxis and defence at sites of tissue damage.	

Session 3		Neurosignalling and Behaviour				
13.30 - 14.55	Hodgkin-Huxley Seminar Room					
	Presenter		Supervisor	Title		
13.30 - 13.45	Antoino Romero-Ruiz	Postdoc	I Rill (:olledge	Neural plasticity: Identification of a novel kisspeptin-signaling pathway in glial cells		
13.45 - 14.00	Robert Hickman	1st Year PhD	Wolfram Schultz	An auction task for single-trial recordings of subjective value in primates		
14.00 - 14.15	Audrey Hay	Postdoc	Ole Paulsen	Activation of cortical layer 1 interneurons by higher-order thalamic afferents leads to UP-state termination via post-synaptic GABAB receptor activation		
14.15 - 14.40	Shaun Kit Lung Quah	3rd Year PhD	Angela Roberts	Role of the serotonin transporter in the amygdala in trait anxiety		
14.40 - 14.55	Simone Ferrari-Toniolo	Postdoc	Wolfram Schultz	How neurons get me the best reward: an axiomatic approach		

Session 3		Cardiometabolism and Tissue Regeneration				
13.30 - 14.50	Bryan Matthews Seminar Room					
	Presenter		Supervisor	Title		
13.30 - 13.45	Youguo Niu	Postdoc	Dino Guissani	Cardio-protective Actions of Hydrogen Sulphide in the Developing Heart		
13.45 - 14.10	Ross Lindsay	3rd Year PhD	Andrew Murray	The Role of Inotropic and Metabolic Peptide Signalling in Protection Against Cardiac Ischaemia and Metabolic Syndrome		
14.10 - 14.25	Inchul Cho	MPhil	Joo-Hyeon Lee	The role of Troy+ cells in the maintenance of alveolar epithelium		
14.25 - 14.50	Lucia Cordero Espinoza	3rd Year PhD	Meritxell Huch	The mesenchymal niche in ductal progenitor-driven liver regeneration		

14.50 - 15.10

TEA & COFFEE BREAK @ EXPERIMENTAL CLASSROOM

Session 4		Neurophysiology and Disease				
15.10 - 17.00	Hodgkin-Huxley Seminar Room					
	Presenter		Supervisor	Title		
15.10 - 15.25	Melanie Jensen	Mphil	Caroline Williams-Gray	Investigating markers of T and B lymphocyte senescence in Parkinson's disease		
15.25 - 15.50	Laith Alexander	3rd Year PhD	Angela Roberts	The Primate Subgenual Anterior Cingulate Cortex and Anhedonia		
15.50 - 16.05	Deborah Oakley	MPhil	Virginia Newcombe	Effects of decompressive craniectomy after traumatic brain injury		
16.05 - 16.20	Eva Zacharioudaki	Postdoc	Sarah Bray	Monitoring the origin and progression of neural stem cell (NSC) derived tumours using a Drosophila model		
16.20 - 16.35	Amar Sarkar	MPhil	Ole Paulsen	Leucine Sensing in Human Hypothalamic Neurons		
16.35 - 17.00	Mark Burrell	3rd Year PhD		Measuring Effort Disutility in Behaviour and Dopamine Neuron Activity of Non-Human Primates		

Session 4		Developmental Signalling				
15.10 - 16.55	Bryan Matthews Seminar Room					
	Presenter		Supervisor	Title		
15.10 - 15.25	Bethany Aykroyd	1st Year PhD	Amanda Sferruzzi-Perri	Placental endocrine function and materno-fetal nutrient allocation during pregnancy		
15.25 - 15.40	Wen Tong	1st Year PhD	Dino Guissani	Impaired Uterine Perfusion with Placental Oxidative Stress in Chronically Hypoxic Ovine Pregnancy		
15.40 - 15.55	Guy Blanchard	Postdoc	Benedicte Sanson	Radially-polarised cell behaviours drive tube budding from an epithelium		
15.55 - 16.10	Efthimia Christoforou	1st Year PhD	Amanda Sferruzzi-Perri	The impact of increased placental junctional zone <i>lgf2</i> on fetal resource allocation and adult offspring metabolism		
16.10 - 16.25	Matteo Mole'	Postdoc	Magda Zernicka-Goetz	Integrin signalling in epiblast morphogenesis and cell survival		
16.25 - 16.40	Torcato Martins	Postdoc	Sarah Bray	Insights on how membrane composition affects Notch signalling		
16.40 - 16.55	Jyothi Jayaraman	1st Year PhD	Francesco Colucci	Dissecting The Genetic Effects of KIR-HLA Association in Pregnancy Higher Resolution		

Session 5	Carl-Philipp Heisenberg - Plenary lecture sponsored by Cambridge Electronic Design					
9.00 - 10.00	Physiology Lecture Theatre					
	Professor Carl-Philipp Heisenberg	Interplay between actomyosin contraction and tight junction formation during zebrafish gastrulation				

10.00 - 10.20

TEA & COFFEE BREAK @ EXPERIMENTAL CLASSROOM

Session 6		Embryonic Development				
10.20 - 12.05	Hodgkin-Huxley Seminar Room					
	Presenter		Supervisor	Title		
10.20 - 10.45	Katerina Menelaou	3rd Year PhD	I Erica Vvatson	Multigenerational effects of abnormal folate metabolism on embryo growth and development in mice		
10.45 - 11.10	Christos Kyprianou	3rd Year PhD	Manda Zernicka-Goetz	Proamniotic cavity formation in the mouse embryo through rosette formation and resolution		
11.10 - 11.25	Thomas Sharrock	1st Year PhD	IRenedicte Sanson	Elucidating the molecular basis of Drosophila embryo compartment boundary formation.		
11.25 - 11.50	Lorenzo Orietti	3rd Year PhD	Magda Zernicka-Goetz	In vitro size regulation in mouse double embryos		
11.50 - 12.05	Tim Lohoff	1st Year PhD	Jenny Nichols	Mechanism of lineage commitment during exit from pluripotency in vivo		

Session 6		Techniques and in vitro/in vivo models				
10.20 - 12.10	Bryan Matthews Seminar Room					
	Presenter		Supervisor	Title		
10.20 - 10.35	Mewanthi Kaluthantrige Don	1st Year PhD	I K evin () Holleran	Development and characterisation of 3D liver models to investigate drug toxicity		
10.35 - 10.50	Kelly Evans	1st Year PhD		Establishing an in vitro 3D-model system to investigate the functional role of alveolar progenitor cells in human lung disease		
10.50 - 11.15	Afnan Azizi	3rd Year PhD	Bill Harris	A diffusion model of interkinetic nuclear migration in zebrafish retina		
11.15 - 11:40	Sohaib Abdul-Rehman	3rd Year PhD	Kevin O'Holleran	Super-resolution microscopy beyond the coverslip		
11.40 - 11.55	Kate Feller	Postdoc	Paloma (-onzalez-Rellido	A twinkle in the eye: Description of a novel photonic tapetum for improving bioluminescence detection		
11.55 - 12.10	Laura Broutier	Postdoc	Meritxell Huch	Modelling Human Primary Liver Cancer in Organoid Cultures		

12.10 - 13.10

LUNCH & SPONSOR EXHIBITIONS @ EXPERIMENTAL CLASSROOM

Session 7		Behavioural Neuroscience				
13.10 - 15.00	Hodgkin-Huxley Seminar Room					
	Presenter		Supervisor	Title		
13.10 - 13.25	Fei-Yang Huang	1st Year PhD	IVVOITRAM SCHUITZ	Neuronal representations of nutrient rewards and food choice in non- human primates		
13.25 - 13.40	Rachel Rodrigues	MPhil	Karen Ersche	Does atomoxetine improve inhibitory control in cocaine addiction?		
13.40 - 13.55	Emily Mort	1st Year PhD	IADDY FOWDER (Emily Camm)	Behavioural and neurodevelopmental outcomes in a murine model of maternal obesity.		
13.55 - 14.10	Janne Rozemarijn Smit	Visiting MPhil	I Amanda Steri izzi-Perri	Impaired Placental Endocrine Function: Behavioural Implications for the Offspring		
14.10 - 14.35	Samuel Fabian	3rd Year PhD	Paloma Gonzalez-Bellido	Tactics and Strategy at play in target interception by predatory flies		
14.35 - 15.00	Konstantin Volkmann	3rd Year PhD	Wolfram Schultz	Revealed preferences for bundled rewards in humans		

Session 7		Transcriptional regulation			
13.10 - 14.55	Bryan Matthews Seminar Room				
	Presenter		Supervisor	Title	
13.10 - 13.35	Zoe Pillidge	3rd Year PhD	I Sarah Bray	The dynamic chromatin landscape on the express route to transcriptional activation	
13.35 - 13.50	Giulia Antonazzo	1st Year PhD		Identifying novel pathway components by mining Drosophila melanogaster gene annotations	
13.50 - 14.15	Mikel Mckie	3rd Year PhD	Meritxell Huch	TET1 is crucial for liver regeneration mediated by adult ductal cells	
14.15 - 14.40	Anastasiya Sybirna	3rd Year PhD	Azim Surani	Exploring transcriptional regulators of human germ cell fate	
14.40 - 14.55	Martin Minarik	Postdoc	IClare Baker	Investigating transcription factor hierarchies underlying the formation of hair cells versus electroreceptors in the lateral line system	

Session 8	Stem Cells and Differentiation						
15.25 - 16.50	Hodgkin-Huxley Seminar Room						
	Presenter		Supervisor	Title			
15.25 - 15.40	Jocelyn Tang	1st Year PhD	Andrea Brand	Assessing the maintenance and effects of G0 and G2 cell-cycle arrest on neural stem cell quiescence			
15.40 - 15.55	Luigi Aloia	Postdoc	Meritxell Huch	TET1 is required for de-differentiation of adult liver cholangiocytes to progenitor cells.			
15.55 - 16.20	Stephanie Norwood	3rd Year PhD	Andrea Brand	Stem Cell-Niche Interactions during Quiescence in the Drosophila Central Nervous System			
16.20 - 16.35	Catherine Dabrowska	1st Year PhD	Joo-Hyeon Lee	Elucidating cell fate decisions of lung progenitor cells during early oncogenic events			
16.35 - 16.50	Jerome Bohere	Postdoc	Golnar Kolahgar	Deciphering integrin adhesion and signalling in Drosophila intestinal stem cells			

Session 8	Neural Development							
15.25 - 17.00	Bryan Matthews Seminar Room							
Presenter			Supervisor	Title				
15.25 - 15.40	Tess Liddell	MPhil	Andras Lakatos	Characterisation of Glial Cell Differentiation States in Human Cerebral Organoids				
15.40 - 16.05	Ivan Dimov	3rd Year PhD	IKristian Franze	Mechanically compliant devices for communicating with the peripheral nervous system.				
16.05 - 16.20	Victoria Hodgson	1st Year PhD	Steve Edgley	Auditory responses in the cerebellum				
16.20 - 16.45	Sarah Foster	3rd Year PhD	Kristian Franze	Chemical and mechanical signals interact to guide growing neurons				
16.45 - 17.00	Tanja Fuchsberger	Postdoc	i Die Paulsen	Differences in primary neuron cultures from the left and the right hippocampus				

17.00 - 19.00

DRINKS RECEPTION AND PRIZES @ EXPERIMENTAL CLASSROOM

19.00 - 22.30

DINNER @ OLD DIVINITY SCHOOL, ST JOHN'S COLLEGE









The world leader in serving science





