

PROGRAMME

Division of Medicine Research Retreat

Thursday 9th May 2024

Marriott London West India Quay, 22 Hertsmere Road, London E14 4ED

MORNING SESSION

REGISTRATION AND INTRODUCTION		
08.30 – 09.15	Registration and Coffee	
09.15 – 09.30	Professor Sam Janes Director Division of Medicine Professor Krista Rombouts Co-Chair Research Retreat Welcome	
SESSION 1	Chair: Professor Mark Lythgoe (Imaging) Co-chair: Professor Nicoletta Kessarlis (WIBR)	
09.30 – 10.15	Andy Mitchell Key speaker	<i>'Ten Trips' a discussion between Andy Mitchell and Professor Mark Lythgoe</i> Biography
10.15 – 10.25	Kaylee Worlock <i>Respiratory Medicine (Research Fellow)</i>	<i>'Human SARS-CoV-2 challenge uncovers differences in local and systemic cellular responses associated with protection from infection and distinct infection states'</i>
10.25 – 10.35	Ian Harrison <i>Imaging (Senior Research Fellow)</i>	<i>'Pharmacological Enhancement of Glymphatic Function Attenuates Propagation of Tau Pathology in an Animal Model'</i>
10.35 – 10.45	Harry Hodgetts <i>Institute for Liver and Digestive Health (Research Technician)</i>	<i>'Mesenteric fibrosis in small intestinal neuroendocrine tumours (SI-NETs): pathogenesis and therapeutic targets'</i>
10.45 – 11.30	Coffee break and moderated poster session I	
SESSION 2	Chair: Professor Marc Lipman (Respiratory) Co-Chair: Dr Marilina Antonelou (Renal)	
11.30 – 11.50	Dr Joseph Jacob <i>Respiratory Medicine</i>	<i>'Quantifying lung damage using computer tools'</i>
11.50 – 12.00	Qingyang Kong <i>Renal (Research Fellow)</i>	<i>'A host immune-centered approach to uncovering causation in chronic UTI'</i>
12.00 – 12.10	Sam Palethorpe <i>Respiratory (Research Fellow)</i>	<i>'Identification of multiple protein antigen targets for an antibody therapy for antibiotic-resistant Acinetobacter baumannii infections'</i>
12.10 – 12.20	Natasha Liou <i>Renal (PhD student)</i>	<i>'DeepUTI: a novel deep learning method performs as well as experienced microscopists at detecting markers of urine infection'</i>
12.20 – 14.30	Lunch and moderated poster session II	

AFTERNOON SESSION

SESSION 3		Chair: Professor Coziana Ciurtin (Inflammation) Co-chair: Dr Janine Makaronidis (ETM)
14.30 – 14.50	Dr Gautam Mehta <i>Institute for Liver and Digestive Health</i>	<i>'Levelling Up in Liver Disease: Personalised Medicine, Digital Health and Re-Designing Clinical Trials'</i>
14.50 – 15.00	Giuseppe Ercoli <i>Respiratory (Research Fellow)</i>	<i>'Evolution of anti-protein antibody response after Streptococcus pneumoniae nasopharyngeal colonisation of mice'</i>
15.00 – 15.10	Thomas McDonnell <i>Inflammation (Senior Research Fellow)</i>	<i>'Plasmin-Clipped Beta-2-Glycoprotein I: Novel Structures Lead to Increased Antibody Binding'</i>
15.10 – 15.20	Emmeline Brown <i>Imaging (PhD Student)</i>	<i>'SimuLayer: Synthetic retinal layer and choroid generation using Physics-informed deep generative learning'</i>
15:20 – 15.40	Tea break	
SESSION 4		Chair: Professor James Cox (WIBR) Co-Chair: Dr Tammy Kalber (Imaging)
15.40 – 16.00	Professor Marianna Fontana <i>Amyloidosis, Department of Inflammation</i>	<i>'Reversal is within reach'</i>
16.00 – 16.10	Kate Morling <i>WIBR (PhD Student)</i>	<i>'Design, synthesis and characterisation of cofactor-mimicking HIV-1 capsid inhibitors'.</i>
16.10 – 16.20	Khalid Alotabi <i>Experimental and Translational Medicine (PhD Student)</i>	<i>'A Novel Homogenous Recombinant Haemoglobin to Treat Global Ischaemia Reperfusion Injury'</i>
16.20 – 16.35	PhD Student Reps	
	Education	<i>Project videos (10 mins)</i>
16:35 – 16.45	EDI Dr Manuela Platé & Dr Vitor de Sousa Teixeira	<i>DoM Athena SWAN (10mins)</i>
16:45 – 16:55	Award Ceremony with Professor Sam Janes & Retreat Co-Chair Professor Derek Gilroy <ul style="list-style-type: none"> • Best moderated poster (Student) & Best moderated poster (Postdoc/ECR) • Best selected oral presentation (Student) & Best selected oral presentation (Postdoc/ECR) • Division of Medicine ECR Award (Junior) • Division of Medicine Established Investigator Award (Senior) • Division of Medicine Education Award 	
16:55 – 17:00	Professor Sam Janes Closing remarks	
17:00 – 18:00	Drinks reception	