

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 Kessar (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	Dr 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> Abstract
10.25 – 10.35	Dr Ian Harrison <i>Imaging (Senior Research Fellow)</i>	<i>'Pharmacological Enhancement of Glymphatic Function Attenuates Propagation of Tau Pathology in an Animal Model'</i> Abstract
10.35 – 10.45	Dr 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> Abstract
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> Abstract
11.50 – 12.00	Dr Qingyang Kong <i>Renal (Research Fellow)</i>	<i>'A host immune-centered approach to uncovering causation in chronic UTI'</i> Abstract
12.00 – 12.10	Dr 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> Abstract
12.10 – 12.20	Dr 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> Abstract
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>	'Levelling Up in Liver Disease: Personalised Medicine, Digital Health and Re-Designing Clinical Trials' Abstract
14.50 – 15.00	Dr Giuseppe Ercoli <i>Respiratory (Research Fellow)</i>	'Evolution of anti-protein antibody response after <i>Streptococcus pneumoniae</i> nasopharyngeal colonisation of mice' Abstract
15.00 – 15.10	Dr Thomas McDonnell <i>Inflammation (Senior Research Fellow)</i>	'Plasmin-Clipped Beta-2-Glycoprotein I: Novel Structures Lead to Increased Antibody Binding' Abstract
15.10 – 15.20	Ms Emmeline Brown <i>Imaging (PhD Student)</i>	'SimuLayer: Synthetic retinal layer and choroid generation using Physics-informed deep generative learning' Abstract
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>	'Reversal is within reach' Abstract
16.00 – 16.10	Ms Kate Morling <i>WIBR (PhD Student)</i>	'Design, synthesis and characterisation of cofactor-mimicking HIV-1 capsid inhibitors' Abstract
16.10 – 16.20	Mr Khalid Alotaibi <i>Experimental and Translational Medicine (PhD Student)</i>	'A Novel Homogenous Recombinant Haemoglobin to Treat Global Ischaemia Reperfusion Injury' Abstract
16.20 – 16.35	PhD Student Reps	
	Education	Project videos (10 mins)
16.35 – 16.45	EDI Dr Manuela Platé & Dr Vitor de Sousa Teixeira	DoM Athena SWAN (10mins)
16.45 – 16.55	Award Ceremony with Head of Division, Professor Sam Janes, and Co-Chair for the Research, Professor Derek Gilroy <ul style="list-style-type: none"> • Best moderated poster: Student & Postdoc/ECR • Best selected oral presentation: Student & Postdoc/ECR • Division of Medicine ECR Award (Junior) • Division of Medicine Established Investigator Award (Senior) • Division of Medicine Education Excellence Award 	
16.55 – 17.00	Professor Sam Janes Closing remarks	
17.00 – 18.00	Drinks reception	