



# Research Meeting 3<sup>rd</sup> & 4<sup>th</sup> June 2024 The Wave

Day

1: 3<sup>rd</sup> June 2024

Time	Track 1	Track 2	Track 3
9 - 9.30	Poster assembly, Industry set up		
9.30 - 9.50	Registration & Coffee, Poster set up		
9.50 – 10	Opening remarks & Welcome		
10-11.30	Developing collaborative teams and Synergies across the School Chair: Christine Le Maitre	Workshop 1: Research Partnerships Chair:	Workshop 2: Public and Patient Involvement Chair:
11.30-11.40	Move rooms from workshops to LTs		
11.40-12	<b><i>Inspirational/ Spotlight Speaker:</i></b> <b>Professor Heather Mortiboys:</b> Navigating a scientific academic career: mitochondria, neurodegenerative diseases and me. Chair: Adrian Higginbottom		
12-12.30	Poster elevator pitches (1 min) (EP1-20) Chair: Adrian Higginbottom	Poster elevator pitches (1 min) (EP21-40) Chair: Christine Le Maitre	
12.30-2.00	Lunch & Poster tours (even to stand by posters) / Networking / Trade stand		
2-2.20	<b><i>Inspirational/ Spotlight Speaker:</i></b> <b>Professor Pete Dodd</b> Mathematical Modelling of Tuberculosis Chair: Dan Hind		



2.20- 3.30	Oral Presentations 1: Chair: Jessica Forsyth	Oral Presentations 2: Chair: Colin Bingle	
2.20-2.30	O1: 129Xe-MRI to assess regional airway clearance in children with primary ciliary dyskinesia	O8: Delineating the role of hypoxic extracellular vesicles in pulmonary metastasis of osteosarcoma - a pilot study	
2.30-2.40	O2: Gait based biomarkers in Facioscapulohumeral dystrophy (FSHD): Establishing the validity of inertial sensors to augment in clinic assessments in FSHD.	O9: Melatonin is less effective than midazolam at reducing pre-operative distress in children prior to general anaesthetic: results of the MAGIC trial	
2.40-2.50	O3: Development and validation strategy of the Brace Adherence Prediction Questionnaire (BAPQ) based on Protection Motivation Theory	O10: Fisetin improves cardiovascular and brain pathology and function in old age mice.	
2.50-3.00	O4: An adaptable 3D model of myeloma cell dormancy for pre-clinical drug screening	O11: Antisense dipeptide repeat proteins arising from the ALS-causing C9orf72 repeat expansion cause wide-scale dysfunction in purine metabolism in patient-derived astrocytes.	
3.00-3.10	O5: How much choice is too much for a first-year medical student?	O12: Inequalities in healthcare access, experience and outcomes in Inflammatory Bowel Disease: A scoping review to inform current and future research in this area	
3.10-3.20	O6: How "early" are we doing ileocaecal resections for Crohn's disease in practice? A study of the clinician perspective	O13: Mucosal and blood transcriptome differentiates diverse immune trajectories following vaccination with live attenuated influenza vaccine	
3.20-3.30	O7: Why is improving Emergency Department pain management such a challenge? Findings from a multiple case study exploring barriers to pain management in Emergency Departments.	O14: Fecal Immunochemical Tests For Patients With Symptoms Suggestive Of Colorectal Cancer: A Systematic Review And Multiple-Threshold Meta-Analysis	



<b>3.30-4.00</b>	Flash Presentations 1: Chair: Paul Hughes	Flash Presentations 2: Chair: Pirashanthie Vivekananda-Schmidt	
<b>3.30-3.35</b>	F1: The complexity of implementing large scale interprofessional learning in medical and health science education: lessons from overseas.	F7: Family history of fracture and fracture risk: a meta-analysis to update the FRAX® risk assessment tool	
<b>3.35-3.40</b>	F2: Modulating macrophage phenotypes in zebrafish infection model	F8: Improving current understanding of the assessment and incidence of cognitive impairment in patients with spinal injury	
<b>3.40-3.45</b>	F3: Early DETECTION of ColoRectal Cancer in Yorkshire (DETECT-CRC): Feasibility study assessing active case finding of colorectal cancer in socio-economically deprived areas.	F9: Characterising the contribution of cortical microvascular disease to dementia.	
<b>3.45-3.50</b>	F4: Quantifying Coeliac Disease Extent on Capsule Endoscopy Using a Novel Machine Learning Algorithm	F10: Identification of novel therapies for soft tissue sarcomas with complex karyotypes – a high-throughput drug screening and multi-omics approach.	
<b>3.50-3.55</b>	F5: Non-coding variants are a rare cause of recessive developmental disorders in trans with coding variants	F11: What contributes to the success of individual service funds for adults with a learning disability: a participatory realist review	
<b>3.55-4.00</b>	F6: Barriers to help-seeking, accessing and providing mental health support for medical students: a mixed methods study using the Candidacy Framework	F12: The role of RAMPs in modulating PTH1 receptor function and signalling	
<b>4.00-4.10</b>	Faculty ECR prizepresentation		
<b>4.10-5.30</b>	Drinks reception /Networking / Trade stand / Posters		



Day 2: 4<sup>th</sup> June 2024

Time	Track 1	Track 2	Track 3
9 - 9.10	Registration for anyone not attending day 1		
9.10 – 9.30	<p><b><i>Inspirational/ Spotlight Speaker:</i></b>  <b>Professor Pirashanthie Vivekananda-Schmidt</b>            Follow the Yellow Brick Road            Chair: Mark Strong</p>		
9.30-10.40	Oral Presentations 3 Chair: Hollie Wareing	Oral Presentations 4 Chair: Jamie Hall	
9.30-9.40	O15: NEK1 regulates ER-mitochondria contacts.	O22: The effectiveness of neighbourhood-level interventions to reduce outdoor air pollution: systematic review	
9.40-9.50	O16: TMED10 facilitates IL-1 $\beta$ release in vascular smooth muscle cells	O23: Delivery and differentiation of a regenerative cell source and immunogenicity testing: a biomaterial for intervertebral disc repair	
9.50-10.00	O17: The effect of television advertising on gambling behaviour: A quasi-experimental study during the 2022 Qatar World Cup	O24: The Use of digital clinical-decision support systems for healthcare delivery in rural communities: A Systematic Review	
10.00-10.10	O18: Relative preservation of SARS-CoV-2 neutralising antibody responses following adenoviral vectored vaccines compared to mRNA vaccines in haematopoietic stem cell transplant recipients	O25: Pharmacological Approaches for COL4A1-Related Disorders	
10.10-10.20	O19: General Practices in England with high percentages of patients from ethnic minority backgrounds have lower percentages of	O26: Modulating the Role and Function of Macrophages in Human Symptomatic Carotid Stenosis: Potential Mechanisms for	



	patients diagnosed with chronic obstructive pulmonary disease	Stabilisation of Atherosclerotic Carotid Plaques	
10.20-10.30	O20: Sociodemographic disparities in omissions from routine emergency care frailty screening	O27: Inequalities in healthcare access, experience and outcomes in Inflammatory Bowel Disease: A scoping review to inform future research in this area	
10.30-10.40	O21: Using Artificial Intelligence to provide a “Flipped Assessment”™ approach to Medical Education Formative Learning Opportunities	O28: Exercise to boost the immune system and optimise immunotherapy responsiveness	
10.40-11.00	Coffee break / Networking / Trade Stands / Posters		
11.00 – 12.00	<p><b>Plenary keynote speaker:</b>  <b>Professor Rickie Patani</b>  Decoding the Mechanisms of Human Amyotrophic Lateral Sclerosis  Chair: Christine Le Maitre</p>		
12.00 – 1.00	Workshop 3: Addressing imposter syndrome Chair:	Workshop 4: Career journeys learning from the experts (Targeted for ECRs) Chair: Jessica Forsyth	Workshop 5: Mentorship Chair:
1.00-2.30	Lunch & Poster tours (odd to stand by posters) / Networking / Trade stand		
2.30-2.50	<p><b>Inspirational/ Spotlight Speaker:</b>  <b>Professor Penny Ottewell:</b>  A data driven journey to find the holy grail  Chair: Steve Renshaw</p>		
2.50 – 3.30	Oral Presentations 5 Chair: Helen Bryant	Oral Presentations 6 Chair: Praveen Thokala	
2.50-3.00	O29: AWARE-IBD: Putting people with inflammatory bowel disease (IBD) in control	O33: Understanding patient preferences for treatment: case studies using a discrete choice experiment method	



	of their care – a quality improvement programme		
3.00-3.10	O30: Improving Student Self-reported Preparedness to Practise as Doctors: A one day intensive student-led workshop	O34: Comparing nasal sampling techniques by bulk RNA-seq	
3.10-3.20	O31: Stress-induced TDP-43 nuclear condensation causes loss of function in splicing and STMN2 depletion	O35: The development of a novel strategy to target dormant myeloma cells by standard of care therapy	
3.20-3.30	O32: A systematic review and meta-analysis of Murray’s Law in the Coronary Arterial Circulation	O36: Cystatin C in motor neuron disease/amyotrophic lateral sclerosis	
3.30-3.45	Coffee break / Networking / Trade Stands / Posters		
3.45 – 4.30	Oral Presentations 7 Chair: Ryan West	Oral Presentations 8 Chair: Naomi Hartopp	
3.45-3.55	O37: The role of CFTR in lumen formation and maintenance in mammary epithelial cells	O41: Can 129Xe ventilation MRI guide personalisation of airway clearance regimens in children with Primary Ciliary Dyskinesia	
3.55-4.05	O38: Identification of Lead Compounds from a Phenotypic Screen of Novel Compounds in Parkinsons Disease Patient-derived Cells	O42: Development of patient tailored drug efficacy assessment platform for solid cancers using ex-vivo 2D and 3D culture assay	
4.05-4.15	O39: An innovative care model for urgent and emergency care: A qualitative evaluation of community unscheduled care co-ordination hubs	O43: Neutrophils swarm to localised infection sites in zebrafish larvae	
4.15-4.25	O40: Medications, Fracture Risk and Oral Bisphosphonate Efficacy – Evidence from a Well-Characterized Prospective Clinical Trial in Women	O44: m6A RNA modification pathway is dysregulated in familial amyotrophic lateral sclerosis caused by FUS mutations	



4.25-4.45	<b><i>Inspirational/Spotlight Speaker:</i></b> <b>Professor James Catto</b> Cancer Research in Sheffield: Turning full circle Chair: Louise Preston
4.45-5.00	Judges prizes, and closing remarks
5.00	Close