

**Liver & GI Disorders Theme of NIHR Nottingham Biomedical Research Centre
and Nottingham Digestive Diseases Centre Showcase**

Doubletree by Hilton Hotel Nottingham

Friday 7th December 2018

Agenda

08:00 – 08:30 Registration and coffee	
08:30 – 08:40	Welcome <i>Guru Aithal</i>
08:40 – 10:00 'Year in Review' Juniors Presentations. (7 minutes presentation + 3 minutes Q&A) Session Chairs: Gordon Moran and Aloysious Aravinthan	
08:40 – 08:50	A resting state fMRI study in patients with active Crohn's disease <i>Gita Thapaliya</i>
08:50 – 09:00	Small bowel motility of the unprepared fasted and fed small bowel: development of a new MRI analysis technique <i>Asseel Khalaf</i>
09:00 – 09:10	Increased small bowel permeability is associated with significantly increased T2 measures of the small bowel wall <i>Hannah Williams</i>
09:10 – 09:20	Effect of Kiwifruit on Gastrointestinal Symptoms: A Mechanistic MRI Study in Healthy Volunteers <i>Victoria Wilkinson-Smith</i>
09:20 – 09:30	Quantifying excess cardio-respiratory events and admissions in 30 days following day case upper gastrointestinal endoscopy <i>Colin Crooks</i>
09:30 – 09:40	A liposomal drug delivery system for the improved eradication of <i>Helicobacter pylori</i> <i>Nicola Osborne</i>
09:40 – 09:50	Quantitative MRI to assess portal pressure at 3T <i>Chris Bradley</i>
09:50 – 10:00	Towards the treatment of <i>Clostridium difficile</i> using phage therapy <i>Michaella Whittle</i>
10:00 – 11:00 'Research in Context' 15 minutes presentation + 5 minutes Q&A) Session Chairs: Ian Macdonald and Neil Guha	
10:00 – 10:20	Familial Non-Alcoholic Fatty Liver Disease <i>Jane Grove, Naina Winter, Prakash Jethwa</i>
10:20 – 10:40	MAGIC Study <i>Luca Marciani</i>
10:40 – 11:00	Developing and implementing diagnostic and prognostic tests in chronic liver disease <i>Susan Francis/Neil Guha</i>

11:00 – 11:20 Coffee Break	
11:20 – 12:35 ‘Emerging Research Areas’ (12 minutes presentation + 3 minutes Q&A) Session Chair: Robin Spiller	
11:20 – 11:35	Drug induced Liver Injury <i>Guru Aithal</i>
11:35 – 11:50	Macmillan Nutrition innovation in Cancer project (@NiiCproject) <i>Laura Miller</i>
11:50 – 12:05	GCRF Fighting Fatty Liver in India <i>Guru Aithal</i>
12:05 – 12:20	Cystic Fibrosis <i>Giles Major</i>
12:20 – 12:35	Duodenal Mucosal Ablation <i>Krish Ragunath</i>
12:35 – 13:15 Lunch	
13:15 – 14:35 ‘Research in Progress’ (15 minutes presentation + 5 minutes Q&A) Session Chair: Tim Card	
13:15 – 13:35	Neurogastroenterology and GI Physiology <i>Maura Corsetti</i>
13:35 – 13:55	Inflammatory bowel diseases <i>Gordon Moran</i>
13:55 – 14:15	Perioperative Nutrition and Metabolism <i>Dileep Lobo</i>
14:15 – 14:35	Innovative MRI Methodologies <i>Penny Gowland</i>
14:35 – 15:00 Coffee Break	
15:00 – 16:30 ‘Research in Progress’ Session Chairs: Yash Mahida and Emilie Wilkes	
15:00 – 15:20	International Collaboration <i>Joe West (15 mins + 5 mins Q&A)</i>
15:20 – 15:40	Viral hepatitis <i>Alex Tarr (15 mins + 5 mins Q&A)</i>
15:40 – 16:00	H-pylori <i>Karen Robinson and Kazuyo Kaneko (15 mins + 5 mins Q&A)</i>
16:00 – 16:15	C. difficile Group Overview <i>Nigel Minton (12 mins + 3 mins Q&A)</i>
16:15 – 16:30	Anne McLaren Fellowship and Beyond <i>Tanya Monaghan (12 mins + 3 mins Q&A)</i>
16:30 – 16:35	Closing remarks <i>Guru Aithal</i>

Poster Session running throughout the day, featuring:

A new MR-based Perianal Crohn's disease activity score

Ali Alyami

Alteration in small bowel motility, gut peptides and patient's symptoms in active Crohn's disease

Asseel Khalaf

Modifying Topic Modelling To Identify Prognostic Risk Factor Patterns

Colin Crooks

Varying effects of bran, psyllium and prickly pear cactus fibre (nopal) on small intestinal water content and colonic volume demonstrated using magnetic resonance imaging

David Gunn

In vivo investigation of immunoregulatory properties of helicobacter pylori infection

Ekene Ogbodo

To determine the operative experience of UK general surgery trainees and assess the changing procedural supervision and acquisition of competency assessments through the course of training.

Elizabeth Elsey

Measuring T2 and ADC of abdominal lymph nodes

Hannah Williams

Peripheral Blood Cytokines as Biomarkers for Helicobacter pylori Infection and Disease Risk

Harry Jenkins

Glycaemic, gastrointestinal, hormonal and appetite responses to pearl millet and oats porridge breakfast: a randomized, crossover trial

Jaber Alyami

Novel mini-capsules markers and methods for magnetic resonance imaging of gastrointestinal transit in paediatric constipation (the MAGIC study)

Kathryn Murray

Measuring fasted state gastric motility before and after a standard BA/BE 8 oz drink of water: validation of new MRI imaging protocols against concomitant perfused manometry in healthy participants

Khaled Heissam

Paediatric Crohn's disease patients in remission have a reduced skeletal muscle protein balance after feeding

Amanda Walker

PPI/E Activity from 2012 (June) to 2018 (October)

The NIHR Nottingham Biomedical Research Centre (Digestive Diseases 'Patient Advisory Group' PAG)

PPI/E and Participation Case Studies from 2012 (June) to 2018 (October)

The NIHR Nottingham Biomedical Research Centre (Digestive Diseases 'Patient Advisory Group' PAG)

Montage

The NIHR Nottingham Biomedical Research Centre (Digestive Diseases 'Patient Advisory Group' PAG)