



THE UNIVERSITY  
of EDINBURGH



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17 January 2025

It's a great pleasure to welcome you to our meeting.

We are incredibly fortunate to have such a wonderful network of colleagues unified in our work in Crohn's disease; and this program reflects the high quality of our science, much of this, enabled and supported by the Helmsley Charitable Trust, and for which we are very grateful.

A unique highlight is our dedicated 'Patient Involvement in IBD' session which will spotlight our creative work that brings our patients directly into the heart of our research and with a clear societal impact.

We are very lucky to have Molly talking about her personal experience with Crohn's and how this led to her patient-led work in wellbeing; Michelle, who has led in our successful outreach paediatric research programs in Edinburgh; and finally, Derek, who is building Katie's House in Glasgow to help people living with Crohn's disease (I will let him tell you the story).

We are thinking carefully and continuously about the future! And so have placed much emphasis on early career researchers in our program. I would encourage everyone to connect, inquire and discuss ideas where possible. The program will provide many opportunities to do so as we are gathered in the wonderful new Edinburgh Futures Institute.

Finally, for those who are coming to our Burns Supper, I look forward to a wonderful night of culture and friendship.

Meeting Venue – Edinburgh Future Institute: <https://efi.ed.ac.uk/>

Burns Supper Venue (Dress Code: Smart/Casual or Wear a Kilt) – The Royal College of Surgeons of Edinburgh: [Home | RCSEd](#)

Your sincerely,

Professor Gwo-tzer Ho *FRCP, PhD*



## Crohn's Future Meeting Agenda - Wednesday 22nd and Thursday 23rd January 2025

21st January, Tuesday	Arrival	Dinner (Optional) for attendees arriving on Tuesday	
22nd January, Wednesday	08.00-09.00	<b>Registration</b>	
	09.00-09.15	Welcome and Introduction to meeting	Gwo-tzer Ho
<b>Chair</b>	<b>Gwo-tzer Ho/ Charlie Lees</b>	<b>Session 1: Setting the scene for scientific translation</b>	
	09.15-09.45	Early onset Crohn's disease: Same or different pathobiology?	David Wilson
	09.45-10.15	The role of CD319+ monocytes and ACOD1 as a 'brake' for inflammatory signaling in Crohn's	Gareth-Rhys Jones
	10.15-10.45	Interventional dietary studies in Crohn's disease and how they inform mucosal disease mechanisms	Kostas Gerasimidis
	10.45-11.00	Short talk: Characterisation of oral-gut-stool microbiome in adults and children with new onset Crohn's - role for oral-immune crosstalk in pathogenesis	Robert Whelan/David Wands
	11.00-11.15	BREAK	
<b>Chair</b>	<b>Simon Milling/ Isobel Mouat</b>	<b>Session 2: Fundamental mechanistic studies</b>	
	11.15-11.45	Neutrophils are key promoters of T cell dysfunction in IBD: Innate modulating the adaptive mucosal immune response	Emily Findlay
	11.45-12.15	Metabolic consequences of mitochondrial damage in innate immunity in Crohn's disease	Arianne Theiss
	12.15-12.30	Short talk: Loss of HMGCS2 function leading to ketogenic failure in intestinal stem cells as a mechanism of IBD	Duncan Rutherford
	12.30-13.00	<b>KEYNOTE</b> Crohn's disease: Evolution of understanding and major unanswered questions in Crohn's disease	Balfour Sartor
	13.00-14.00	LUNCH	
<b>Chair</b>	<b>Emily Findlay/ Kostas Gerasimidis</b>	<b>Session 3: Microbiome-immune crosstalk</b>	
	14.00-14.30	Cell death-induced host-microbe communication dictates intestinal health	CJ Anderson



14.30-15.00	New insights of microbiome architecture in IBD – synthesis of >1000 newly diagnosed patients	Richard Hansen
15.00-15.15	Short talk: Bacteriophages as inflammatory markers in IBD – future potential	Greg Young
15.15-15.30	Short talk - The influence of EEN on gut microbiome and mucosal immune response BIOPIC	Bernie White
15.30-15.45	BREAK	

<b>Chair</b>	<b>Claire Adams/ David Wands</b>	<b>Session 4: New thoughts for the future</b>
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15.45-16.15	Beyond FMT: Designing next generation approaches to normalizing dysbiotic microbial function	Balfour Sartor
16.15-16.30	Short talk: Findings from the Intensive Post Exclusive Nutrition Study in Crohn's (iPENs) study	Konstantinos Gikkas
16.30-16.45	Short talk: Longitudinal analysis of disease course in IBD: Inflammatory patterns across Scotland and Denmark	Nathan Costantine-Cooke
16.45-17.00	Wrap Up/Summary	Gwo-tzer Ho
19.00-22.00	Burns Supper - Royal College of Surgeons	

<b>23rd January, Thursday</b>	<b>Shahida Din/ John Seenan</b>	<b>Session 5: Translational Research in Crohn's I</b>
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08.30-09.00	Meeting with Helmsley PIs (for Pis + Helmsley)	Gwo-tzer Ho
09.00-09.30	Mitochondrial 'danger signals' and immune signalling – MUSIC	Gwo-tzer Ho
09.30-10.00	IBD-RESPONSE, CD-metaRESPONSE and Open-IBD: The story so far	Chris Lamb
10.00-10.30	A map of the intestine following regulatory T cell infusion into patients with active Crohn's Disease at single-cell and spatial resolution	Graham Lord
10.30-10.45	Imaging fibrosis using PET-MRI targeting fibrosis-associated protein (FAP) in Crohn's disease - the FATE-CD study	Rahul Kalla
10.45-11.00	BREAK	



**Gareth Jones/  
Mairi Mclean**

**Session 6: Translational Research in Crohn's II**

11.00-11.30	Environmental influences of disease: Predicting course of IBD	Charlie Lees
11.30-12.00	GONDOMAR: Progressing clinical and translational science in perianal Crohn`s disease	Sebastian Shajji
12.00-12.30	Gut Atlas Project - defining the landscape of fibrotic Crohn's disease	Shahida Din
12.30-12.45	Short talk: Big data approaches in microbiome analysis: bridging insights between infants and adult IBD patients	Lauren Beck
12.45-13.45	LUNCH	

**Chris Lamb/  
David Wilson**

**Session 7: Patient-led and co-production research**

13.45-13.50	Crohn's Colitis UK: What we do and how can we help in patient involvement?	Katie Nightingale
13.50-14.00	Patient-led presentation - 'What does it mean to develop research as a patient?'	Molly Halligan
14.15-14.30	Developing the scientific platform to study fatigue - the role of immunometabolism	Gwo-tzer Ho/Shawn Chuah
14.30-14.45	Paediatric-patient engagement and current studies (miniMUSIC and PINPOINT)	Michelle Wilson
14.45-15.15	Building Katie's House for people living with Crohn's disease - the journey so far, Catherine McEwan Foundation	Derek McEwan/Vicki Garrick
15.15-15.30	Summary, discussion for action points and feedback	Gwo-tzer Ho
15.30-16.00	CLOSE, DEPART - Further discussions	
	EVENING	



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Dinner for international delegates - 'Walking tour around Edinburgh Old Town' (Weather dependent)

\*\*\*Note short talks are geared towards early career researchers  
Talks are 25 mins + 5 mins Q+A. Short talks are 10 mins + 5 mins Q+A.

Buffer time put in end of day to catch up.

Closed meeting - early data encouraged and attendees are advised not to post on social media etc.