1st GGIG meeting: ‘Mechanisms of intestinal homeostasis and disease’

Thu-Fri, March 26 & 27, 2015 Ghent, Belgium

Thursday March 26th 2015

Session 1: The intestinal epithelial barrier in homeostasis and disease
(Chair: Dr. Lars Vereecke)

09:00 – 09:40 Registration – Coffee

09:40 – 10:00 Dr. Andy Wullaert: Introduction ‘Ghent Gut Inflammation Group’ (GGIG)

10:00 - 10:30 Dr. Henner Farin: Organoid cultures to study stem cell-niche signaling and inflammatory disorders in the intestinal epithelium.

10:30 – 11:00 Dr. Timon Adolph: ER stress converts autophagy defects into intestinal inflammation

11:00 – 11:30 Dr. Claudia Günther: Cell death regulation in the intestinal epithelium: Still a mystery?

11:30 – 12:00 Dr. Nozomi Takahashi: Role of a dual cell death molecule RIPK1 in intestinal homeostasis

12:00 – 13:00 Lunch Break

Session 2: NLR signaling in intestinal homeostasis

(Chair: Dr. Andy Wullaert)

13:00 – 13:30 Dr. Lars Vereecke: A20/TNFAIP3 – Master regulator of intestinal immune homeostasis

13:30 – 14:00 Dr. Mikael Sellin: Epithelial NLRs and the first line defense against mucosal insults

14:00 – 14:30 Dr. Franze Progatzky: Inflammasome activation induced by dietary cholesterol in intestinal epithelial cells of the zebrafish.

14:30 – 15:00 Dr. Katerina Vlantis: TLR Signaling-Independent Protective Functions of Intestinal Epithelial TRAF6 in Colitis
15:00 – 15:30  Coffee Break

Session 3: Intestinal Immunology (Chair: Prof. Debby Laukens)

15:30 – 16:00  Dr. Ilaria Spadoni: Identification and characterization of a “gut vascular barrier” that is exploited by *Salmonella typhimurium* for its systemic dissemination

16:00 – 16:30  Dr. Charlotte Scott: Novel tools reveal that niche availability and inflammation state determine the cellular origin of Kupffer cells

16:30 – 17:00  Dr. Sharon Veenbergen: IL-10 receptor alpha deficiency - Lessons for intestinal immune regulation

17:00 – 18:30  Reception

Friday March 27th 2015

Session 4: Clinical and genetic aspects of IBD (Chair: Dr. Pieter Hindryckx)

09:00 – 09:30  Dr. Debby Laukens: Intestinal fibrosis: for those about to ROCK

09:30 – 10:00  Dr. Tim Raine: Understanding human intestinal immune function and disease susceptibility through transcriptomics

10:00 – 10:30  Dr. Tiago Nunes: Environmental factors in IBD: The role of tobacco smoking in Crohn's disease

10:30 – 11:00  Coffee Break

11:00- 11:30  Dr. Isabelle Cleynen: The genetic architecture of inflammatory bowel disease (IBD)

11:30 – 12:00  Dr. Isabella Dotti: Dissecting the role of intestinal epithelium in ulcerative colitis

12:00 – 13:00  Lunch Break

Session 5: The gut microbiome in health and disease (Chair. Prof. Tom van de Wiele)

13:00 – 13:30  Dr. Tulika Arora: Spatial aspects of host-microbiota interactions

13:30 – 14:00  Dr. Sara Vieira-Silva: Gut microbiome resilience

14:00  Closing words
Speaker details:

Dr. Andy Wullaert  
VIB / Ghent University – M. Lamkanfi lab (BE)

Dr. Henner Farin  
Hubrecht Institute, Utrecht - H. Clevers lab (NL)

Dr. Timon Adolph  
University of Cambridge - A. Kaser lab (UK)

Dr. Claudia Günther  
University of Erlangen - C. Becker lab (DE)

Dr. Nozomi Takahashi  
Ghent University – P. Vandenabeele lab (BE)

Dr. Lars Vereecke  
VIB / Ghent University – G. van Loo lab (BE)

Dr. Mikael Sellin  
ETH, Zurich – W.D. Hardt lab (CH)

Dr. Franze Progatzky  
Imperial College London – M. Dallman lab (UK)

Dr. Katerina Vlantis  
CECAD, University of Cologne – M. Pasparakis lab (DE)

Dr. Ilaria Spadoni  
IFOM-IEO, Milan – M. Rescigno lab (IT)

Dr. Charlotte Scott  
University of Ghent, B. Lambrecht lab (BE)

Dr. Sharon Veenbergen  
University of Rotterdam, J. Samsom lab (NL)

Dr. Debby Laukens  
Ghent University, M. Devos lab (BE)

Dr. Tim Raine  
University of Cambridge, A. Kaser lab (UK)

Dr. Tiago Nunes  
Digestive Health Group, Nutrition and Health Research, Nestec, NRC, Lausanne (CH)

Dr. Isabelle Cleynen  
University of Leuven - P. Rutgeerts lab (BE)

Dr. Isabella Dotti  
IDIBAPS, Barcelona – A. Salas lab (ES)

Dr. Tulika Arora  
University of Gothenburg – F. Bäckhed lab (SE)

Dr. Sara Vieira-Silva  
University of Leuven – J. Raes lab (BE)