



1st GGIG meeting: 'Mechanisms of intestinal homeostasis and disease'

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

'A meeting by postdocs, open to everyone'

Thursday March 26th 2015

Session 1 : The intestinal epithelial barrier in homeostasis and disease

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. Katerina Vlantis: RIPK1 maintains intestinal epithelial homeostasis by inhibiting apoptosis and necroptosis
12:00 – 13:00	Lunch Break

Session 2: NLR signaling in intestinal homeostasis

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 Progzky: Inflammasome activation induced by dietary cholesterol in intestinal epithelial cells of the zebrafish.

14:30 – 15:00 **Dr. Francesca Ronchi:** Microbiota-mediated fine-tuning of the threshold of intestinal inflammasome activation in host-microbial mutualism.

15:00 – 15:30 **Coffee Break**

Session 3: Intestinal Immunology

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

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

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**