



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)

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| 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)

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| 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 Progzatzky: 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 Progzky	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)