

# CROSS-TALK FINAL SYMPOSIUM



THE DISRUPTION OF THE WAR METAPHORE OF  
HUMAN-MICROBE  
INTERACTIONS IN THE GASTROINTESTINAL TRACT  
3 & 4 SEPTEMBER 2012  
PARIS (FRANCE)



08:30-09:15 Registration

09:15-09:30 **Welcome speech**

**SESSION 1 GUT MICROBIOTA: FROM GENES TO METABOLITE**

Chair: **Emmanuelle MAGUIN**, INRA Jouy-en-Josas, France

09:30-10:10 **Joël DORE**, INRA Jouy-en-Josas, France  
*Gut microbiome diversity - why bother?*

10:10-10:40 **Julian MARCHESI**, Cardiff School of Biosciences, United Kingdom  
*Integrating the human microbiome into host biology: a new challenge for clinicians*

10:40-11:20 *Coffee break*

11:20-12:00 **Marc-Emmanuel DUMAS**, Imperial College of London, United Kingdom  
*Metabolomic and systems biology approaches to understand the microbial-mammalian metabolic cross-talk in health and disease*

12:00-12:15 **Dragana DOBRIJEVIC**, INRA Jouy-en-Josas, France  
*Functional studies of the predicted surface proteome of Gram-positive bacteria from the human GI tract*

12:15-12:30 **Noora OTTMAN**, Wageningen University, The Netherlands  
*Innate immune response against the human commensal *Akkermansia muciniphila**

12:30-12:45 **Edouard MONNAIS**, UNIABDN Aberdeen, United Kingdom  
*Structural and functional diversity of flagellins expressed by gut bacteria*

12:45-14:15 *Lunch and poster session*

**SESSION 2 MICROBIOTA HOST-INTERACTIONS IN GASTROINTESTINAL DISEASES**

Chair: **Jean-Marc CHATEL**, INRA Jouy-en-Josas, France

14:15-14:55 **Lena ÖHMAN**, University of Gothenburg, Sweden  
*The microbiota link to IBS - an emerging story*



<b>Mathias CHAMAILLARD</b> , Pasteur Institute Lille, France <i>Remote control of intestinal inflammation and origenesis in response to commensals</i>	14:55-15:35
<b>Agata KORECKA</b> , Karolinska Institute Stockholm, Sweden <i>The Cross-Talk ITN seen by the fellows</i>	15:35-15:45
<i>Coffee break</i>	15:45-16:15
<b>Katerina TSILINGIRI</b> , IEO Milan, Italy <i>Should probiotics be tested on ex vivo organ culture models?</i>	16:15-16:30
<b>Ziad ALNABHANI</b> , INSERM Paris, France <i>Impact of NOD2 invalidation on intestinal microbiota and mucosal homeostasis: respective roles of immune and epithelial compartments</i>	16:30-16:45
<b>Laureen CROUZET</b> , INRA Saint Genès-Champanelle, France <i>The altered gut of IBS patients plays key role in visceral hypersensitivity: a specific role of sulphate-reducing bacteria?</i>	16:45-17:00
<b>Emmanuelle MAGUIN &amp; Hervé BLOTTIERE</b> The Cross-Talk ITN coordinators, INRA Jouy-en-Josas, France <i>The Cross-Talk ITN achievements and future</i>	17:00-17:30
<b>Ella BOUQUET</b> , Pierre and Marie Curie University Paris, France <i>Marie Curie Actions, Post-doctoral fellowships</i>	17:30-17:40
<i>Poster session</i>	17:40-19:00
<i>Cocktail</i>	19:00-21:00

<b>MICROBIOTA HOST-INTERACTIONS IN IMMUNITY AND ALLERGY</b> <i>Chair: Helena TLASKALOVA, Institute of Microbiology ASCR, Prague, Czech Republic</i>	<b>SESSION 3</b>
<b>Corina CEAPA</b> , Danone Research Wageningen, The Netherlands <i>The Cross-Talk ITN seen by the fellows</i>	09:00-09:10
<b>Kathy McCOY</b> , University of Bern, Switzerland <i>Insights into hygiene-mediated immune dysregulation</i>	09:10-09:50
<b>Maria RESCIGNO</b> , IEO Milan, Italy <i>Bacteria, epithelial cells and dendritic cells cross-talk in intestinal immune homeostasis</i>	09:50-10:30



- 10:30-11:00 *Coffee break*
- 11:00-11:40 **Anurag SINGH**, Nestlé Research Center Lausanne, Switzerland  
*Probiotics and Allergy: Lessons from Pre-Clinical and Clinical Research and the Way Forward*
- 11:40-11:55 **Yasmin KÖLLER**, University of Bern, Switzerland  
*Mechanisms and mediators of hygiene-mediated immune dysregulation*
- 11:55-12:10 **Amar MADI**, University of Rouen, France  
*Human  $\beta$ -defensin-2 mediating *Pseudomonas fluorescens* and intestinal epithelial cells crosstalk: from cellular pathways induction to bacterial virulence modulation*
- 12:10-12:25 **Linda LOONEN**, Wageningen University, The Netherlands  
*Infection and phenotyping studies in *Reg3 $\beta$*  and *Reg3 $\gamma$*  knockout mice*
- 12:25-14:00 *Lunch and poster session*
- SESSION 4 MICROBIOTA AND OBESITY**  
*Chair: Hervé BLOTTIERE, INRA Jouy-en-Josas, France*
- 14:00-14:40 **Mihai COVASA**, INRA Jouy-en-Josas, France  
*Obesity and the gut microbes: what comes first?*
- 14:40-15:20 **Karine CLEMENT**, INSERM AHP Paris, France  
*Gut microbiome in metabolic diseases and obesity: Lessons from clinical investigation studies*
- 15:20-15:35 **Ludovica BUTTO**, University College Cork, Ireland  
*Immunomodulatory interaction of *Lactobacillus Salivarius* strains with immune cells*
- 15:35-15:50 **Petia KOVATCHEVA**, University of Gothenburg, Sweden  
*Gut microbiota - a metabolic organ within us*
- 15:50-16:05 **Agata KORECKA**, Karolinska Institute Stockholm, Sweden  
*The Aryl-hydrocarbon receptor in the gut homeostasis*
- 16:05-16:20 **Aat LEDEBOER**, LABIP, The Netherlands  
*Poster and oral presentation prizes*
- Coffee break & Departure*