



# CHAIRE DE MICROBIOLOGIE ET MALADIES INFECTIEUSES

Année académique 2013-2014

Philippe SANSONETTI, Professeur  
*Scientific Committee: Brett Finlay, Sven Pettersson,  
Philippe Sansonetti, Asmaa Tazi*

## “Microbiota, nutrition and metabolism”

« Les trois âges de la vie »

**International Symposium in English**

Monday 2nd and Tuesday 3rd June 2014  
Amphithéâtre Marguerite de Navarre

### Monday 2nd June 2014

#### 8h45 Introduction

Philippe Sansonetti, *Collège de France, Institut Pasteur, France*,  
Brett Finlay, Janis Sarra, *PWIAS, UBC, Canada*

#### Session 1 : Microbiota and Perinatal Physiology and Medicine

**09h00** Keynote Lecture: Human Gut Microbiome in Health and Disease  
Stanislav Dusko Ehrlich, *INRA, France*

**09h40** Potential Roles of the Intestinal Microbiota in Nutritional  
Imprinting: Immediate Relay and/or Long-Term Memory?  
Catherine Michel, *INRA, France*

**10h10** The Impact of Malnutrition on Host-Microbial Interactions  
in the Small Intestine  
Eric Brown, *UBC, Canada*

**10h40** Coffee Break

**11h00** The Role of Early-Life Microbiota in Shaping Body Composition  
Laura Cox, *NYU, USA*

**11h30** Lactobacilli-Mediated Juvenile Growth Promotion:  
“Learning on the Fly”  
François Leulier, *IGFL-ENS, France*

**12h00** The Maternal Microbiome: a Metabolic Checkpoint that  
Tunes Developmental Programming and Influences Body  
Functions later in Life  
Sven Pettersson, *Karolinska Institute, Sweden*

#### Session 2 : Microbiota and Adult Homeostasis

**14h00** Keynote Lecture: Gut Microbiome-Host Metabolic Interaction:  
a Metabolome-Wide Association Study  
Elaine Holmes, *Imperial College, United Kingdom*

**14h40** Microbiota and Metabolic Diseases: Shifting the Paradigm  
from the Gut to Tissues  
Rémy Burcelin, *I2MC, France*

**15h10** Interactions between Gut Microbiota and Host Metabolism  
Valentina Tremaroli, *University of Gothenburg, Sweden*

**15h40** The Role of Our Microbiomic Genome in Cardiometabolic Health  
Karine Clément, *UPMC, France*

**16h10** Coffee Break

**16h30** Microbiome Dynamics – the Myth of Adult Homeostasis  
William Mohn, *UBC, Canada*

**17h00** Diet and Human Gut Microbiota: from Nutritional Studies  
to Mathematical Modelling  
Marion Leclerc, *INRA, France*

**17h30** Contributions of the Human Gut Microbiome to Drug  
Metabolism  
Peter Turnbaugh, *Harvard University, USA*

### Tuesday 3rd June 2014

#### Session 3 : Microbiota and Aging

**09h00** Keynote Lecture: Liver and Brain Glucose Sensing in the Control  
of Pancreatic Islet Cell Plasticity  
Bernard Thorens, *Université de Lausanne, Suisse*

**09h40** Remote Control of Inflammation and Cancer by the Intestinal  
Microbiota  
Mathias Chamaillard, *Institut Pasteur de Lille, France*

**10h10** Metformin: an Old Drug with New Tricks. Gut Microbial Effects  
on Host Physiology and Ageing  
Filipe Cabreiro, *UCL, United Kingdom*

**10h40** Coffee Break

**11h00** Regulation of Bone Mass by the Gut Microbiota  
Klara Sjögren, *University of Gothenburg, Sweden*

**11h30** Diet-Microbiota-Health Interactions in Elderly People  
Paul O'Toole, *UCC, Ireland*

**12h00** Keynote Lecture: Toso: a Master Regulator of Inflammation  
Tak Mak, *University Health Network, Canada*

**12h40** Conclusion, adjournment



Labex IBEID