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 Tuned 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