

11

Tuesday, October 11, 2022

## Program

Conference of the Food4BrainHealth International Research Network (RRIF4BH) between INRAE, Université de Bordeaux and Université Laval and 10 institutional partners, from Canada and France

- 14:00 **Opening remarks: Vincenzo Di Marzo and Sophie Layé** (co-director of the RRIF4BH, Université de Bordeaux France)
- 14:15 **Frédéric Colan** (co-director of the RRIF4BH, Université Laval, Canada) "A cerebrovascular perspective on the role of the insulin receptor, linking metabolism and Alzheimer's disease"
- 14:45 **Sophie Nicklaus** (INRAE, France) "Early feeding practices and neurodevelopment up to the age of 5 years in the French ELFE cohort: beyond breastfeeding"
- 15:15 **Charlotte Madère-Delepech** (Université de Bordeaux, France) "Role of bio-active lipid derivatives on microglia regulation and functions during development" ment up to the age of 5 years in the French ELFE cohort: beyond breastfeeding"
- 15:45 **Coffee break**
- 16:15 **Richard Bazinet** (University of Toronto, Canada) "New natural abundance carbon-13 methods to study the metabolism of fatty acids *in vivo*"
- 16:45 **Stephanie Fulton** (Université de Montréal, Canada) "Mesolimbic fatty acid signaling via GPR120: Impact on mood and motivation"
- 17:15 **Laurent Naundon** (INRAE, France) "Gut microbiota and autism. Preclinical study from the European Gemma project"
- 17:45 **Closing remarks: Sophie Layé and Frédéric Colan**

12

Wednesday, October 12, 2022

Conference of the Joint International Research Unit on Chemical and Biomolecular Studies on the Microbiome and its Impact on Metabolic Health and Nutrition (JIRU-MicroMeNu) between the CNR and Université Laval

"The human microbiome: "One, None and a Hundred Thousand""

- 10:00-10:30 **Welcome and opening remarks: Vincenzo Di Marzo, Emanuele Fiore, Michel Tremblay, Lúcia Armelao, Sabato D'Aiula (T&C), Angela Fontana, Giuseppe Blamant (T&C)**
- 10:30 - 12:30 **Session 1: The "mutable" human microbiome (Chairperson: Patrice Cani)**
- 10:30 **Lorenza Pulignano** (Bambino Gesù Children's Hospital, Rome, Italy) "The role of the human microbiome in personalized medicine"
- 11:15 **Coffee Break**
- 11:45 **Dirk Hater** (Technical University of Munich, Freising, Germany) "Circadian rhythmicity of the human microbiome"
- 12:30 **Lunch**
- 14:00 - 15:30 **Session 2: Gut-brain and gut-liver interactions (Chairperson: Yves Desjardins)**
- 14:00 **Maria Rescigno** (Humanitas University, Milan, Italy) "The microbiota in the gut-brain vascular axis"
- 14:45 **Laure Bindels** (Université Catholique de Louvain, Bruxelles, Belgium) "Hepatic and intestinal alterations in cancer cachexia"
- 15:30 **Coffee Break**



16:00 - 17:30 Session 3: "Omics" for the human microbiome (Chairperson: Danilo Ercolini)

16:00 **Nicola Segata** (University of Trento, Italy) "Metagenomics to decipher the personalized links between the human microbiome, diet, and host health"

16:45 **Henrik Roager** (University of Copenhagen, Denmark) "Diet and the gut microbiota: moving beyond composition to activity"

17:30 **End of 1st day**

**B** Thursday, October 13, 2022

### JIRU-MicroMeNu Conference

09:15 - 10:30 **Round table "Technological innovation from the collaboration between Italy and Canada on human and animal microbiome research"** (Chairpersons: **Luigi Ambrosio** and **Gian Luigi Russo**) Participants: **Marianna Simeone**, **Stefania Petrosino** (TBC), **Mathieu Millette**, **Luigi Nicolais**

10:30 **Coffee break**

11:00 - 12:30 Session 4: The diverse human microbiomes: post-natal life and extreme environments (Chairperson: **Sebastiano Banni**)

11:00 **Maria Carmen Collad** (IATA, CSIC, Valencia, Spain) "Relevance of Materna-Infant diet on microbiota during the first 1000 days"

11:45 **Jacques Corbell** (Université Laval, Québec, Canada) "The gut metagenome of Inuits: Great diversity and unique species moulded by lifestyle and environment"

12:30 **Lunch**

14:00 - 16:00 Session 5: Viruses (Chairperson: **André Mareffe**)

14:00 **Colin Hill** (APC Microbiome, Cork, Ireland) "The role of the virome in microbiome structure and function"

14:45 **Coffee break**

15:15 **Sylvain Moineau** (Université Laval, Québec City, Canada) "Gut, phages, and CRISPR"

16:00 Closing remarks and Antivederci: **Vincenzo Di Marzo** and **Emanuele Fiore**

17:00 - 18:00 **Annual Meeting of the Scientific Committee of the JIRU-MicroMenu**

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