

INTERNATIONAL CONFERENCE

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5th Conference of the Joint International Research Unit between the Consiglio Nazionale delle Ricerche and Université Laval, Québec, on Chemical and Biomolecular Studies on the Microbiome and its Impact on Metabolic Health and Nutrition (JIRU-MicroMeNu)

Conference topic

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

The conference will also host the meeting of the Food4BrainHealth International Research Network between the Institut national de recherche pour l'Agriculture, l'Alimentation et l'Environnement (INRAE), France, and Université Laval, Canada

October
11-13, 2022

Hotel Palatino
Roma - Italy

Scientific committee JIRU-MicroMeNu

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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 Calon** (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 Madore-Delpech** (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 Montreal, 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 Calon**



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, Lidia Armelao, Sabato D'Auria (TBC), Angelo Fontana, Giuseppe Biamonfi (TBC)**
- 10:30 - 12:30 Session 1: The "mutable" human microbiome** (Chairperson: Patrice Cani)
- 10:30 Lorenza Pulignani** (Bambino Gesù Children's Hospital, Rome, Italy) "The role of the human microbiome in personalised medicine"
- 11:15 Coffee Break**
- 11:45 Dirk Haller** (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**



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 Milette, 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 Maternal-Infant diet on microbiota during the first 1000 days"
- 11:45 Jacques Corbeil** (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 Marette)
- 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 Arrivederci: Vincenzo Di Marzo and Emanuele Fiore**
- 17:00 - 18:00 Annual Meeting of the Scientific Committee of the JIRU-MicroMeNu**

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