



## Conference Programme

May 3

14: 00 - 15:00

Welcome and Introduction to the CNR and Laval University cooperation agreement, the "MicroMeNu" Joint International Research Unit and the "Sentinelle Nord" programme

**Vincenzo Di Marzo**, ICB-CNR Director and "MicroMeNu" Director, Italy

**Marie Audette** Vice-rectrice adjointe, Vice-rectorat à la recherche et à la création, Laval University, Québec, Canada

**Emanuele Fiore**, Institute of polymers, composites and biomaterials, CNR, Pozzuoli, Italy and CNR President's delegate at "MicroMeNu"

**Valeria Fascione**, Regional Minister for Innovation, Campania Region, Naples, Italy

**Maurizio Peruzzini**, Director, Department of Chemical Sciences and Materials Technologies, CNR, Italy

**Francesco Loreto**, Director, Department of Bioagricultural and Food Sciences, CNR, Italy

**Virginia Coda Nunziante**, Director, CNR Office for International Affairs, Italy

### 15:00 - 17:45 Session 1

#### The microbiome and its role in energy metabolism (Basic science session 1)

15:00 - 15:45 Introductory lecture **Patrice Cani**, Université catholique de Louvain, WELBIO, LDRI, Belgium "What is the gut microbiome and what role does it play in metabolism?"

15:45 - 16:15 *Coffee break and tour of industrial expositors*

16:15 - 16:45 **Denis Richard**, Laval University, Quebec City, Canada "Role of the microbiome in gut-brain axis control of metabolism"

16:45 - 17:15 **Ara Koh**, University of Gothenburg, Sweden "Effect of microbial metabolites on insulin sensitivity"

17:15 - 17:45 General discussion on the afternoon's topics

May 4

### 09:00 - 11:30 Session 2

#### The diet, food components and the microbiome (Basic science session 2)

09:00 - 09:30 **Sebastiano Banni**, University of Cagliari, Cagliari, Italy "Regulation of metabolism by dietary fatty acids: possible interactions with the gut microbiota"

09:30 - 10:00 **Gian Luigi Russo**, Istituto di Scienze dell'Alimentazione, CNR, Avellino, Italy "Polyphenols and other phytochemicals in metabolism and cancer"

10:00 - 10:30 **André Marette**, Laval University, Quebec City, Canada "Role of the gut microbiome in the health effects of dietary polyphenols"

10:30 - 11:00 **Yves Desjardins**, Laval University, Quebec City, Canada "Prebiotic action of specific polyphenol fractions from Nordic fruits on gut microbiota and energy metabolism"

11:00 - 11:30 *Coffee break and tour of industrial expositors*

### 11:30 - 12:30 Session 3

#### The "omics" and the endocannabinoidome (Methodological session)

11:30 - 12:00 **Isabel Garcia-Perez**, Imperial College, London, UK "The impact of modernising dietary assessment on metabolic phenotyping and microbiome studies"

12:00 - 12:30 **Fabiana Piscitelli**, Institute of Biomolecular Chemistry, CNR, Pozzuoli (NA), Italy "The endocannabinoidome and its potential role in the control of metabolism and gut microbiome action"

12:30 - 13:15 **General discussion on the morning's topics**

13:15 - 14:30 *Lunch*

### 14:30 - 17:30 Session 4

#### New nutritional approaches and therapeutic interventions (Nutritional, nutraceutical and therapeutic session)

14:30 - 15:00 **Paul R. Ross**, University of Cork, Ireland "Novel tools for the manipulation of the human microbiome - bacteriocins and bacteriophage"

15:00 - 15:30 **Gabriele Riccardi**, Naples University "Federico II", Italy "Impact of the diet on human metabolic disorders"

15:30 - 16:00 *Coffee break and tour of industrial expositors*

16:00 - 16:30 **Elena Biagi**, Department of Pharmacy & Biotechnology, University of Bologna "Alma Mater Studiorum", Italy "Diet, microbiome and ageing"

16:30 - 17:00 **Luigi Ambrosio**, Institute of polymers, composites and biomaterials, CNR, Napoli, Italy "Nanotechnologies and biomaterials for the delivery of nutraceuticals"

17:00 - 17:30 General discussion on the afternoon's topics

17:30 - 19:30 **First Meeting of the Scientific Committee of "MicroMeNu" (all 11 members of the Scientific Committee)**

May 5

### 09:00 - 13:00 Session 5

#### The role of the industrial partners and societal impact of "MicroMeNu" (Industrial and translational session)

09:00 - 09:30 **Geoffrey Guy**, Founder & Chairman, GW Pharmaceuticals, UK "Pharmacology of non-psychoactive cannabinoids: potential role of the gut microbiome"

09:30 - 10:00 **Francesco Della Valle**, Epitech Group S.p.A., Italy "ALiAmides as anti-inflammatory nutraceuticals and therapeutic drugs: potential role of the gut microbiome"

10:00 - 10:30 *Coffee break and tour of industrial expositors*

10:30 - 11:00 **Rudy Goetz**, SYMRISE AG, Symbiosis Labs, Germany "Immune modulation by probiotics in an inflammatory monocyte model"

11:00 - 11:30 **Mathieu Millette**, Scientific Director, Bio-K Plus International Inc., Laval, Canada "Bio-K+, the probiotics and their impact on the gut microbiome"

11:30 - 11:45 **Cosimo Rummo**, President and AD Pasta Rummo SpA, Benevento - Italy "Innovation in food"

11:45 - 12:00 **Francesco Marandino**, President, Valuego®, Italy "Strategies for food traceability in Italy"

12:00 - 12:30 General discussion on the morning's topics

12:30 - 13:00 **Luigi Nicolais**, Professor Emeritus Naples University "Federico II" "The translation of basic research into new start-ups and spin-offs: how difficult is it?"

13:00 - 13:15 **Meeting conclusions**

13:15 - 14:30 *Lunch*

#### Potential industrial expositors

Bio-K+, Canada - Diana Food, France, part of the SYMRISE group - Epitech Italy S.p.A. - GW Pharmaceuticals - Innovet Italy - Pastificio Rummo, Benevento, Italy - Remi Kefir, Naples, Italy