

Satellite Event to the 3rd Annual Conference of Sentinel North

August
29, 2019

The Joint International Research Unit (JIRU) for "Chemical and Biomolecular Research on the Microbiome and its Impact on Metabolic Health and Nutrition (MicroMeNu)", between Université Laval and the Consiglio Nazionale delle Ricerche of Italy, organizes a satellite event to the 3rd Annual Conference of the Sentinel North program, entitled:

"Biomolecular Aspects of Microbiomes and their Applications in the North" to be held from 9.00 am on August 29, 2019, in the Salle Power Corporation du Carré des Affaires of the Pavillon La Laurentienne, Campus Université Laval.

The event will describe the ongoing training and research activities of MicroMeNu and create a discussion forum among the participants in the research projects funded by this JIRU, with the financial support of Sentinel North

Preliminary program

09:00 Registration and Coffee

09:30-11:00 Welcome addresses and Introduction to the Scientific session

09:30 **Welcome and brief introduction to the JIRU-MicroMeNu** - Vincenzo Di Marzo, Director of MicroMeNu and Canada Excellence Research Chair, Université Laval

09:35 **Welcome address** - Eugénie Brouillet, Vice-rectrice à la recherche, à la création et à l'innovation, Université Laval

09:40 **Welcome address** - Jean-Claude Dufour, Past Dean of the Faculté des sciences de l'agriculture et de l'alimentation and co-founder of MicroMeNu

09:45 **Welcome address** - Denis Roy, Dean of the Faculté des sciences de l'agriculture et de l'alimentation

09:50 **Welcome address** - Emanuela Fiore, Delegate for the President of the Italian Consiglio Nazionale delle Ricerche (CNR), Massimo Inguscio, co-founder of MicroMeNu

09:55 **The Canadian Foundation for Innovation** - Roseann O'Reilly Runte, President and CEO of the Canadian Foundation for Innovation

10:10 **The status of Canadian-Italian relationships in scientific research** - Anna Galluccio, Scientific attaché for the Italian Embassy in Ottawa

10:20 **The Sentinel North Program** - Martin Fortier, Executive Director of the Sentinel North Program

10:30 **The Sentinel North Program and environmental research** - Marcel Babin, Scientific Director of the Sentinel North Program

10:40 **The Sentinel North Program and medical research** - Yves de Koninck, Scientific Director of the Sentinel North Program

10:50 **The JIRU (Unité Mixte Internationale de Recherche) MicroMeNu : what it is and what it does** - Vincenzo Di Marzo, Director of MicroMeNu and Canada Excellence Research Chair, Université Laval

11:00 - 12:30 Scientific session 1

11:00 **Northern microbial ecosystems: Sentinels of change and reservoirs of novel bacteria and biomolecules** - Warwick F. Vincent (Dépt de biologie & Centre d'études nordiques, Université Laval) and Annarita Poli (Institute of Biomolecular Chemistry, CNR)

11:30 **Nordic berries as sources of polyphenols and indigenous lactic acid bacteria for the development of unique synbiotic and postbiotic products** - Maria-Carolina Rodriguez Daza and Denis Roy (INAF, Faculté des sciences de l'Agriculture et de l'alimentation, Université Laval) and Annarita Poli (Institute of Biomolecular Chemistry, CNR)

12:00 **Targeting the gut microbiota with new extracts enriched with omega-3 PUFAs and polyphenols from nordic biosources to alleviate cardiometabolic diseases** - André Marette (CRIUCPQ, Université Laval), Sebastiano Banni (University of Cagliari, Italy), Angela Cardinali (Institute of Science of Food Production, CNR)

12:30 Lunch

13:30 - 15:30 Scientific session 2

13:30 **A platform for understanding and exploiting polyphenols microbial metabolites based on a combined experimental-chemoinformatic approach** - Yves Desjardins (INAF, Université Laval), Pietro Amadeo (Institute of Biomolecular Chemistry, CNR)

14:00 **Investigation into the effects of vitamin D on antipsychotic drug metabolic side effects: focus on the endocannabinoidome-gut microbiome axis** - Cristoforo Silvestri (CRIUCPQ, Université Laval) and Fabio Arturo Iannotti (Institute of Biomolecular Chemistry, CNR)

14:30 **Pinealocyte-derived melatonin modulates energy homeostasis through effects on the gut microbiome and endocannabinoidome** - Denis Richard and Sara Saltani (CRIUCPQ, Université Laval), Gina Cristina (Institute of Biomolecular Chemistry, CNR)

15:00 **Novel biomarkers for early diagnosis of Parkinson's Disease** - Martin Lévesque Département de psychiatrie et de neurosciences, Centre de Recherche CERVO, Université Laval), Paolo Ruzza (Institute of Biomolecular Chemistry, CNR)

15:30 **Chemical, biochemical and functional characterization of novel endocannabinoid metabolites from omega-6 and omega 3 fatty acids** - Nicolas Flamand and Francesco Tinto (CRIUCPQ, Université Laval), Rosaria Villano (Institute of Biomolecular Chemistry, CNR)

16:00 General Discussion over coffee

17:00 End of meeting and Arrivederci