



2024
October
9-12

Hotel La Pineta
Acciaroli
Italy



Conference

The Mediterranean diet, the gut microbiome and human health

PROGRAM
WEDNESDAY, OCTOBER 9

16h00-16h45 : Welcome address

- Vincenzo Di Marzo, *Director of the JIRU-MicroMeNu*
- Stefano Pisani, *Mayor of Pollica*
- Emanuele Fiore, *Delegate in the JIRU-MicroMeNu Steering Committee for the President of Consiglio Nazionale delle Ricerche, Maria Chiara Carrozza*
- Renée Michaud, *General Director of INAF*
- Benoît Lamarche, *Scientific Director of Centre NUTRISS*

16h45-17h45 : Introduction to the Mediterranean diet

(Chair: A. Colao, University of Naples “Federico II”)

- Rossella Galletti, *University “Suor Orsola Benincasa”, Naples: “The discovery of the Mediterranean diet. A story between medicine and anthropology”*
- Pasquale Strazzullo, *Former Professor of Medicine, Federico II University of Naples: “The Mediterranean diet : Origins, evolution in southern Italy, criticalities and current state of application”*

17h45-18h30 : Opening lecture

(Chair: S. Banni, University of Cagliari)

- Patrice Cani, *Université Catholique de Louvain, Belgium : “Gut microbiota at the intersection between diet and host health”*

18h30-19h00 : Clinical aspects of the Mediterranean diet (Part 1)

(Chair: S. Banni, University of Cagliari)

- Marie-Ève Piché, *IUCPQ, Université Laval : “The Mediterranean diet, physical activity and cardiac function outcomes”*

19h00-20h00 : Get-together and poster session

20h00 : Dinner



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THURSDAY, OCTOBER 10

8h45-10h45 : Clinical aspects of the Mediterranean diet (Part 2)

(Chairs: M.C. Vohl, Université Laval; B. Lamarche, Université Laval)

- Annamaria Colao, *University of Naples "Federico II"*: "From the Mediterranean to the Planeterranean diet"
- Marie-Claude Vohl, *Centre NUTRISS, INAF, Université Laval*: "The Mediterranean diet in the era of precision nutrition"
- Federica Della Valle, *Epitech, Italy*: "Bioactive compounds from olive oil in the management of the metabolic syndrome"
- Benoît Lamarche, *Centre NUTRISS, INAF, Université Laval*: "The Mediterranean diet and physical activity: is the whole better than the sum of each part?"

10h45-11h00 : Coffee break

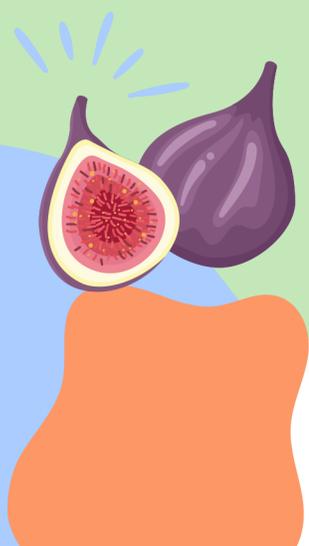
11h00-13h00 : The gut microbiome and the Mediterranean diet (Part 1)

(Chairs: G.L. Russo, Institute of Food Sciences; A. Marette, Université Laval)

- Sebastiano Banni, *Università degli Studi di Cagliari*: "Uncovering the impact of dietary and microbiota-derived fatty acids on metabolic flexibility"
- Gian Luigi Russo, *Institute of Food Sciences, Consiglio Nazionale delle Ricerche*: "Biochemical and biological implications of Mediterranean diet polyphenols in microbiota composition and functions"
- André Marette, *IUCPQ and Centre NUTRISS, INAF, Université Laval*: "Deconstructing the Mediterranean diet to tease out the gut microbiome drivers of human health"
- Fabio A. Iannotti, *Institute of Biomolecular Chemistry, Consiglio Nazionale delle Ricerche*: "Relevance of the Mediterranean diet, probiotics and prebiotics to rare genetic diseases"

13h00-15h30 : Lunch and free time

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PROGRAM
THURSDAY, OCTOBER 10

15h30-17h30 : Brain health, the Mediterranean diet and the gut microbiome (Part 1)

(Chairs: S. Layé, INRAE, Université de Bordeaux; C. Silvestri, Université Laval)

- Sophie Layé, INRAE, Université de Bordeaux : "Gut microbiota-derived metabolites : new players in mood disorders"
- Luigia Cristino, Institute of Biomolecular Chemistry, Consiglio Nazionale delle Ricerche : "Role of dietary fatty acids and microbiota-derived metabolites in synaptic homeostasis and brain health: a comparison between the Mediterranean and Western diets".
- Cristoforo Silvestri, IUCPQ and Centre NUTRISS, INAF, Université Laval : "Gut microbiome and endocannabinoidome changes in a human cohort and an animal model of fragile X syndrome"
- Mathieu Millette, Scientific Director of BioK+ : "Probi-O-tism – a Phase I clinical trial to evaluate the probiotic Bio-K+ in children diagnosed with autism spectrum disorder."

17h30-17h45 : Coffee break

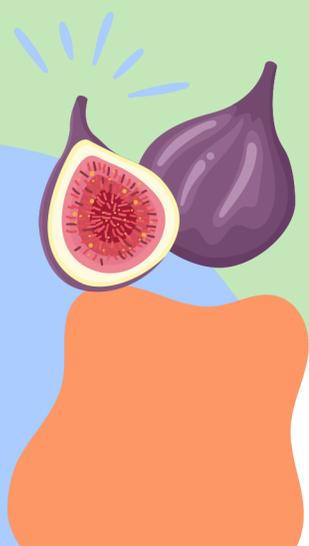
17h45-19h45: Brain health, the Mediterranean diet and the gut microbiome (Part 2)

(Chairs: F. Guida, University of Campania "Luigi Vanvitelli"; A. Michaud, Université Laval)

- Andreeanne Michaud, IUCPQ and Centre NUTRISS, INAF, Université Laval : "Impact of Interventions Targeting Cardiometabolic Health on Brain Health"
- Jean-Cristophe Delpech, INRAE : "Neurobiological mechanisms underlying cognitive deficits induced by nutritional n-3 polyunsaturated fatty acid deficiency"
- Francesca Guida, University of Campania "Luigi Vanvitelli": "Gut microbiota and brain functioning in neuroinflammation and chronic pain"
- Vincenzo Di Marzo, IUCPQ and Centre NUTRISS, INAF, Université Laval, and ICB-CNR : " Perturbed gut microbiome-derived and endocannabinoidome signaling in a mouse model of Western diet-induced obesity and depression"

20h00 : Dinner

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PROGRAM
FRIDAY, OCTOBER 11

8h45-10h45 : The gut microbiome and the Mediterranean diet (Part 2)

(Chairs: C. Roussel, University of Ottawa; P. Couture, Université Laval)

- Yves Desjardins, Centre NUTRISS, INAF, Université Laval : "The dupliotic properties of the Mediterranean diet"
- Alain Veilleux, Centre NUTRISS, INAF, Université Laval : "Deciphering the impact of dietary habits on gut functions: Insights from the gut microbiota-endocannabinoid axis"
- Francesca De Filippis, University of Naples "Federico II": "Microbiome modulation exerted by the Mediterranean diet boosts the production of beneficial metabolites"
- Charlène Roussel, University of Ottawa: "How do dietary oils modulate endocannabinoid-like mediators in a dynamic gut fermentation system?"

10h45-11h00 : Coffee break

11h00-13h00 : Metabolomics as a tool to study the microbiome and the Mediterranean diet

(Chairs: F. Raymond, Université Laval; Y. Desjardins, Université Laval)

- Patrick Couture, CHU de Québec, Centre NUTRISS, INAF, Université Laval : "Substitution of dietary MUFAs from olive oil for SFAs from lard increases LDL apoB-100 fractional catabolic rate in subjects with dyslipidemia associated with insulin resistance: a randomized controlled trial"
- Frédéric Raymond, Centre NUTRISS, INAF, Université Laval : "Defining the role of microbiota in precision nutrition"
- Fabiana Piscitelli, Institute of Biomolecular Chemistry, Consiglio Nazionale delle Ricerche : "Targeted lipidomics and spatial metabolomics methodologies as potential tools to evaluate the effects of the Mediterranean diet on microbe-derived metabolites"
- Nicolas Flamand, IUCPQ, Université Laval : "Metabolic insights potentially bridging the immune system, the endocannabinoidome and the microbiota"

13h00-15h30 : Lunch and free time

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FRIDAY, OCTOBER 11

15h30-17h00 : Students' oral presentations

(Chairs : R. Villano, CNR; M. Van Hul, Université Catholique de Louvain)

17h00-18h30 : Workshops with the students

(Hosts: PRs from Université Laval)

18h30-18h45 : Student award ceremony

(Chair: Emanuele Fiore, CNR)

18h45-19h45 : Free time

19h45-21h00 : Dinner

21h00-22h30 : Mandolin concert

(at the Castle in Pollica)

SATURDAY, 12

Breakfast and departure

Scientific committee:

V. Di Marzo, B. Lamarche, S. Layé, R. Michaud

Organizing committee:

A. Lapointe, E. Picard-Deland, J. Robichaud

Local organizing committee :

E. Castelluccio, V. Di Marzo, R. Verde



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