



Food4BrainHealth SCIENTIFIC DAY

25TH OF SEPTEMBER 2026

BBS AMPHITHEATER, UNIVERSITÉ DE BORDEAUX

ORGANIZERS : SOPHIE LAYÉ (NUTRINEURO), FRÉDÉRIC CALON (INAF, QUÉBEC), XAVIER FIORAMONTI (NUTRINEURO), ELIANE PICARD (INAF, QUÉBEC)

9h00-9h45: Welcome coffee

9h45-10h00 : Welcome words (Jean-René Cazalet, VP recherche UBordeaux; Jérôme Beaufreton, Directeur Bordeaux Neurocampus; Renée Michaud, Directrice générale INAF, ULaval; Sophie Layé, co-directrice RRIF4BH, INRAE; Frédéric Calon, co-directeur RRIF4BH, ULaval)

10h00-11h35: Nutrition, metabolism and mental health

10h00-10h25: *Enrican Montalban* "Astrocyte Interactions with Dopamine Signaling and Spiny Projection Neurons in Striatal Circuits: Implications for Reward and Peripheral Metabolism" NutriNeuro, Bordeaux

10h25-10h40: *Eva Ducourneau* (Postdoctoral fellow) "Role of insular cortex projections to ventral striatum in obesogenic diet-induced anxiety like behaviours" NutriNeuro, Bordeaux

10h40-10h50: *Marie Voos* (PhD student) "Gut microbiota and Autism: fecal transplantation of ASD and neurotypical twins' feces in mice" Université Laval, Québec

10h50-11h00: *Marina Velotto* (PhD student) "Microbiota derivatives and mental health: role of HCAR2" NutriNeuro, Bordeaux

11h00-11h10: *Toshiko Sekijima* (PhD student) "From Gut to Brain: Exploring the Role of Microbial Metabolites in Neuroinflammation and Mental Health" NutriNeuro, Bordeaux

11h10-11h35: *Frédéric Raymond* "What influences the production of potentially neuroactive metabolites by the gut microbiota?" Université Laval, Québec

11h35-11h45: Short break

11h45-12h55: Lipids and brain: from biomarkers to function

11h45-12h10: *Thierry Alquier* "Neuronal lipid droplets play a conserved and sex-biased role in maintaining whole-body energy homeostasis" Université de Montréal, Montréal

12h10-12h25: *Kyndall Nicholas* (postdoctoral fellow) "Fish oil and krill oil do not increase the omega-3 index equally" Université Sherbrooke, Sherbrooke

12h25-12h35: *Sarah Kharbouche* (PhD student) "Role of omega-3 fatty acids in emotional behaviors and memory alteration triggered by chronic alcohol consumption and withdrawal" NutriNeuro, Bordeaux

12h35-12h45: *Rosalie Cottez* (PhD student) « The role of omega-3 fatty acids in the biological trajectories of Alzheimer's disease: interactions with plasma biomarkers » Université Laval, Québec

12h45-12h55: *Clément Laffon* (PhD student) "Sexual dimorphism in endocannabinoid-dependent circuits mediating memory impairments induced by obesogenic diet consumption" NutriNeuro, Bordeaux

12h55-14h30: BUFFET (pour les membres du RRI et délégations)

14h30-15h50: Nutrition and Brain Function: From Molecules to Behavior

14h30-14h55: *Aurélié De Rus Jacquet* "Vascularization of brain organoids: setting up new study models for neurovascular health" Université Laval, Québec

14h55-15h05: *Emma Glajean* (PhD student) "Evaluation of the bioactivity and bioavailability of mycosporin-like amino acids (MAAs) from red algae extracts" ULaval, Québec

15h05-15h15: *Emie Debenay* (PhD student) "Effects of a green algae extract on cognitive impairment associated with sports overtraining" NutriNeuro, Bordeaux

15h15-15h25: *Yaeun Shim* (PhD student) "Effects natural or artificial sweeteners consumption on metabolic and brain health" NutriNeuro, Bordeaux

15h25-15h50: *Stéphanie Fulton* "Fatty Acid Receptor GPR120 as a Modulator of Dopamine Tone and Associated Behaviors" Université de Montréal, Montréal

15h50-16h00: Short break

16h00-18h05: Preventive nutrition, microbiota and aging

16h00-16h25: *Naguib Mechawar* "Age-related changes in the molecular composition of cerebral white matter in humans" Institut Douglas, Mac Gill, Montréal

16h25-16h50: *André Marette* "Healthy Aging: Microbial Biomarkers and Mediators" Université Laval, Québec

16h50-17h15 *Elsa Rousseau* "Explainable machine learning on microbiota data for Alzheimer's risk stratification" Université Laval, Québec

17h15-17h40: *Marie-Agnès Bringer* "The Nutritional Gut–Retina Axis: A New Avenue for Retinopathy Prevention" CSGA, Dijon

17h40-18h05: *Véronique Douard* "Short-term adaptation of the intestinal microbiota to dietary nutrients and feeding behavior" Institut Micalis, Jout-en-Josas

18h05-18h15: Conclusion Sophie Layé and Frédéric Calon