

Dr. Melanie Plourde is an Assistant Professor Faculty of Medicine and Health Sciences, University of Sherbrooke in the field of nutrition and aging and generating fundamental data on the physiology which is an expertise not common in Canada. She has been recognized by different local, national and international organizations for her leadership and productivity in the nutrition field, including the Pierre-et-Danielle Bourgaux prize, Université de Sherbrooke (2018); Future Leader Award in Nutrition, International Life Science Institute (ILSI), North America (2017); CIHR New investigator Salary Award (2016); INMD/CNS New Investigator Award (2016).

Dr. Plourde served on the CNS Board of Directors from 2015-2017 and was co-chair of the CNS Thematic Conference: Advances in Nutrition: From daily living to high performance sport (2018). She was also engaged in nutrition research advocacy (Ma et al., doi: 10.1139/apnm-2016-0532). Dr. Plourde is an editor of the British Journal of Nutrition. In 2018 she accepted the opportunity to co-chair a special edition in aging for the journal *Progress in Neuro-Psychopharmacology & Biological Psychiatry* (IF: 4.2). In 2019, she joined the Food4Brain International Network as an expert in clinical studies working on nutrition for brain health.

Dr. Plourde's research has had significant impact in the field as shown by her h index of 24. She has published 53 scientific papers, 4 book chapters and has more than 120 abstract communications. Her papers have been cited > 2000 times. Dr. Plourde's work is recognized for its quality and rigor. She is a reviewer for CIHR, NSERC and FRQ-S. Many of Dr. Plourde's students have received graduate scholarships and awards.

Details of her research include:

1. IDENTIFICATION OF AN APOE4 X DHA INTERACTION
2. CHARACTERIZATION OF LONG CHAIN POLYUNSATURATED KINETICS IN HUMANS

In 2016, Dr. Plourde was nominated by ILSI, North America division to co-chair on the drafting of a guide of good practices in the design, laboratory analysis and reporting of trials involving fatty acid analysis. This guide was published in the *American Journal of Clinical Nutrition* (Brenna et al., AJCN, 2018). These guidelines were promoted throughout three different symposium in national and international meetings in 2018: CNS, ASN and the SSFAL. These guidelines will help the research community to produce better studies in lipid nutrition and these will likely improve the recommendations we have for fat intake. Dr. Plourde is also engaged in work involving fatty acid tracers and 3 fatty acid intake and health to older adults, as well as studying interaction between omega-3 fatty acids and vitamin B12 status.