**ISSFAL BOARD NOMINATION 2019**

**Candidate Statement : Bernadette Delplanque, PhD**

I am presently working in the Neuroscience Paris Saclay Institute (NeuroPSI) in the Molecular Neuroendocrinology and Endocrinology (NMPA) group. I started my career as an INSERM researcher (Institut National de la Santé et de La Recherche Médicale) at Henri Mondor Hospital (Creteil, near Paris) by studying the role of dietary lipids in dyslipidemic patients. I explored more specifically their impact on plasma fatty acids and atherosclerotic markers (pro or anti-atherosclerotic classes of lipoproteins) and of lipoprotein particles as characterized by Pr Alaupovic in OMRF (OKC, USA) where I spent one year. Following the evolution of oil consumption in Europe we evaluated in humans the impact of sunflower (n-6 rich), high oleic sunflower and rapeseed (canola: n-3 rich) oils as well as fish oils rich in long-chain n-3, focusing on the interest of reducing n-6 and increasing n-3. More recently my research has focused on dairy fats and specifically for health and brain benefits in early development and for the elderly. All these studies involved participation of academics, industries and oils & fats producers. They have resulted in the development and introduction onto the market of oil blends comprising a more appropriate healthy n-6/n-3 ratio and the reintroduction of dairy fat in some infant formulas.

I have been an ISSFAL member and participated in almost all ISSFAL meetings since 2000, presenting conferences and posters regularly with my students as well as giving talks in satellite symposia organized by French companies and organizing a satellite on the role of anti-oxidants at the ISSFAL Congress in Stellenbosh on the behalf of SFEL association (Societé Française d’Etude des Lipides). SFEL is a scientific society promoting scientific interactions and collaborations between national and international searchers from industry and academia in the field of lipids, and is a co-editor of the OCL journal (Oilseeds and fats, Crops and Lipids), where I participate as a member of the steering committee and editorial board.

As a President of SFEL in 2007 I organized the first international congress on “Lipids & Brain Journées CHEVREUL”, very successful with participants coming from all Europe but also from North America, Australia, India, Japan. As the first one on this topic in Europe, it has been renewed in 2011, 2015, 2017; the latest findings in this field of research were presented from leading researchers into both fundamental and applied research on the metabolism of FAs and PUFAs. ISSFAL members were largely represented in these meetings as invited speakers and participants and four of them have also been honoured with the French “CHEVREUL Medal” for their pioneering research.

As the chair of the next 2022 ISSFAL meeting in France I will be glad to promote ISSFAL scientific values, advances in analytical and new technologies as well as new ideas and discoveries. With the participation of enthusiastic and very motivated colleagues representing 12 French associations related to lipids/nutrition or pathologies, I hope we will also contribute to an increase of interactions between ISSFAL and European lipidologists and to increase the number of members from this part of the world. We will also be engaged in the promotion of the French 2022 meeting during the next 2020 meeting in China and some companies already responding positively, to this initiative.

I believe going forward that ISSFAL should be recognized as a scientific authority in terms of recommendations for dietary fat and fatty acid intakes. There is a real need in this domain for Human populations taking in account the evolution of nutrition and dietary offers all over the world. Given my expertise and my involvement in the next meetings, I will strive to help and contribute to this evolution of ISSFAL as a board member.

**Candidature supported by the Nominations Committee, ISSFAL Board of Directors**.