**ISSFAL BOARD NOMINATION 2019**

**Candidacy Statement**

**Professor Lotte Lauritzen**

Lotte is professor in bioactive fats in human nutrition at the Department of Nutrition, Exercise and Sports at University of Copenhagen and has been engaged in lipid research for more than 25 years. She started her career in lipid science in 1990 as a master student with a thesis on the effects of dietary polyunsaturated fatty acid on volume regulation in Ehrlich ascites tumor cells. After graduation she joined Professor Harald S Hansen group and took her PhD degree in 1995 on research on the role of Phospholipase D in signal transduction and synthesis of endocannabinoids. In 1997 Lotte was employed at the Research Institute of Human Nutrition and have since then done a number of human intervention studies to explore the role of dietary long-chain omega-3 fatty acids on a broad range of physiological functions including metabolic regulation, immunomodulation, and cognitive function across all stages of life from lactation, infancy, childhood, and adolescence to early and late adulthood. Much of her present work evolves around diet gene-interactions and she is also expanding to new areas of research such as the effect of lipids on the composition of the gut microbiome and effect of microbiota derived short-chain fatty acids in the body as well as studies on vitamin D.

**Lotte** likes to share her experience and ideas and to coach and inspire young researcher. She **has published more than 100 original research papers and** is a keen reviewer and deputy editor on British Journal of Nutrition and a dedicated promoter of good hypothesis driven basic research. Lotte’s research is driven by curiosity with no agenda to prove beneficial effects of omega-3 fatty acids and many of her findings are ambiguous and not immediately interpretable in terms of clear benefits for human health. Her research has therefore often opened up for further explorative research that may contribute to new knowledge about the role of lipids in human physiology.

Lotte has been a member of the ISSFAL society since 1999 and has attended all ISSFAL congresses since 2004. In 2012 and 2014 she was involved in the organization of ISSFAL satellite symposia on LCPUFA in maternal and infant nutrition and she has on many occasions served as abstract reviewer, young investigator prize committee member and session chair. The ISSFAL meetings are for Lotte important source for inspiration across the whole field of lipid research and excellent place to networking with researcher from all around the world. If she is elected for the ISSFAL board she will work for an open-minded and friendly milieu in ISSFAL and a place to share traditional basic research findings.

**My nomination is supported by:**

1. Professor Renate de Groot, Maastricht University, Netherlands
2. Professor Philip Calder, University of Southampton, UK
3. Professor Ken Stark, University of Waterloo, Canada