

Guest lecture

“Lipid droplets and metabolic disease in the light of evolution”

4 April 2017

11.00 AM in BMB seminar room



BMB visiting Professor James Granneman

Professor of Molecular Medicine and Genetics; Director, Center for Integrative
Metabolic and Endocrine Research
Wayne State University, Detroit
USA

Abstract: Lipid droplets are bona fide intracellular organelles that contain a neutral lipid core surrounded by a phospholipid monolayer. Lipid storage and mobilization occurs at the lipid droplet surface and is directed by a family of scaffold proteins called perilipins that organize and regulate the trafficking of the basal lipolysis machinery in fat and muscle. This seminar discusses our recent research on the dynamic regulation of lipolysis in fat and muscle by tissue-specific perilipins, and our recent discovery of an ancient perilipin clade that clarifies the early vertebrate evolution and specialization of the Perilipin family members.

Host: Professor Susanne Mandrup, Department of Biochemistry and Molecular Biology, SDU.