

# Guest lecture

## Novel pathways regulating adipose tissue formation



**Professor Christian Wolfrum**  
ETH Zürich

**4 December 2017**  
**15.15 PM in BMB seminar room**

**Professor Wolfrum will speak about:**

Adipose tissue mass is tightly linked with the development of metabolic disorders and therefore multiple studies have tried to link adipogenesis with the development of obesity. In contrast, it is known since several decades that in obese patients with overall similar total fat mass, adipocyte size is inversely correlated with improved systemic metabolism, suggesting that adipogenesis in certain conditions could be beneficial for metabolic control. We have recently identified RORg as a novel regulator of adipogenesis. Loss of RORg can lead to an enhanced adipogenesis concomitant with improved glycemic control. In recent studies we were able to identify endogenous regulators of RORg activity which can be used to modulate adipogenesis and thereby improve the quality of adipose tissue and thus systemic metabolism.

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