



# Seminar Series

Monday, April 30 from 9-11 AM

BMB Seminar Room

9 – 10 AM

**Benedicte M. Pers, PhD**

*Postdoc at Niels Bohr Institute, Copenhagen*

## **Defective Store Operated Calcium Entry through STIM1 in Obesity**

Abstract: Defective Ca<sup>2+</sup> handling is a key mechanism underlying hepatic endoplasmic reticulum (ER) stress in obesity. The study I will present focuses on **the ER transmembrane protein STIM1**, which we show to be **dysfunctional in obesity**. Further, we show that liver specific over-expression of STIM1 can improve systemic glucose tolerance in obese animals

10-11 AM

**Tune H. Pers. PhD**

*Associate Professor, Section for Metabolic Genetics, NNF Center for Basic Metabolic Research, Copenhagen*

## **Towards hypothalamic gene networks regulating energy homeostasis - methodologies & preliminary results**

Abstract: During the talk I will give an overview over **single cell transcriptomics- and genome-wide association study data-integration techniques** and report some preliminary findings from our work focused on better understanding **hypothalamic pathways predisposing to obesity**.