

# Studying brown adipogenesis and thermogenic energy metabolism fat-specific gene knockout model

Obesity is caused by accumulation of excess body fat. While white fat stores energy as triglyceride, brown fat burns energy to dissipate heat - the so called thermogenesis. Thus, enhancing brown fat development a function can combat obesity.

We have discovered microRNAs which can induce brown adipogenesis, and are generating fat-specific knockout mouse models to further establish their essentiality for brown fat development and function.

We are seeking Master students to join the exciting projects. Interested students, please contact Hongbin Zhang, Associate Professor, e-mail: [hongbin@sund.ku.dk](mailto:hongbin@sund.ku.dk).

