

CRC/TRR333



Brown and Beige Fat
Organ Crosstalk,
Signaling
and Energetics

BATenergy

FOR5298



Interested in adipose tissue biology and energy balance regulation?

We are recruiting two doctoral researchers at the Chair for Molecular Nutritional Medicine

Project 1 will address the function of the mitochondrial unfolded protein response in white, beige and brown adipocytes. Cellular metabolism, mitochondrial functions, adipokine secretion, insulin sensitivity and systemic glucose homeostasis are investigated in conditional mouse models. You will conduct your training and research in the framework of the new DFG funded Collaborative Research Center “**Brown and Beige Fat – Organ Crosstalk, Signaling and Energetics | BATenergy**” (TRR333) together with partners in Bonn, Hamburg and Munich.

https://www.dfg.de/en/service/press/press_releases/2021/press_release_no_48/index.html

<https://www.trr333.uni-bonn.de/>

Project 2 will perform mechanistic studies on the physiology and pathophysiology of a novel secretin-mediated gut-brown fat-brain-axis in the control of food intake. In the interdisciplinary DFG Research Unit “**iMAGO – Personalized diagnostics for the treatment of obesity**” (FOR52989) you will team up with biologists, nutrition scientists, physicians, and physicists applying cutting-edge non-invasive imaging technologies to monitor dynamic metabolic processes and metabolic adaptation in adipose tissues and muscle.

https://www.dfg.de/en/service/press/press_releases/2021/press_release_no_52/index.html

Please send your CV to Prof. Dr. Martin Klingenspor (mk@tum.de) and Cc... stefanie.wochian@tum.de

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