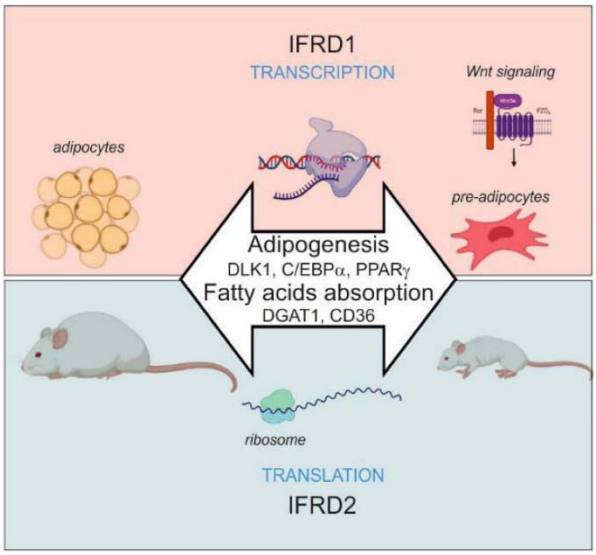
Open PhD position at the Institute of Cell Biology, Medical University of Innsbruck, Austria.

A fully funded PhD position is available in the research group of Ilja Vietor at the Institute of Cell Biology, within the PhD program Molecular and Cellular Basis of Diseases (MCBD) at the Medical University of Innsbruck, Austria.

In our recent publication PMID: 37603466 looking for the physiological function of IFRD1 and its orthologue IFRD2 using ubiquitous double knockout mice we identified that IFRD1 and 2 are essential regulators of nutritional fat uptake and adipogenesis.



We are looking for a highly motivated **PhD student** with experience in molecular biology and/or genetic mouse models. The selected candidate will investigate the exact mechanisms of action of IFRD proteins in regulation of fat metabolism and adipogenesis. We will make use of mouse genetic technology, cell culture, mass spectrometry analysis and bioinformatics to study the regulatory mechanisms and new targets of IFRD1 and IFRD2 in the adipogenesis and resistance against diet-induced obesity. The applicant will be involved in generation of novel, tissue-specific knockout mouse strains followed by gene expression profiling and proteomic analyses during the adipogenic differentiation and fat uptake in response to diet and cold treatment. The successful candidate will be integrated into our multidisciplinary team. Good communication skills, independence, and a sense of responsibility are required. English is the working language.

Applications should be addressed to: ilja.vietor@i-med.ac.at

Applicants should submit: a cover letter, CV, names and contact details of 2 referees. Short listed candidates will be notified and invited for interview.

https://cellbiology.i-med.ac.at/research-groups/the-vietor-laboratory/

https://scholar.google.at/citations?hl=en&user=DIkzUUgAAAAJ