

The German Diabetes Center (DDZ) the Leibniz Institute for Diabetes Research at Heinrich Heine University (HHU) in Düsseldorf was funded by the Federal Ministry of Health and Ministry of Innovation Science and Research of the State of North Rhine Westphalia. The DDZ as an interdisciplinary Institute links molecular and cell biological basic research with clinical investigation.

The Institute for Clinical Biochemistry and Pathobiochemistry (director: Prof. Dr. Hadi Al-Hasani) investigates the molecular mechanisms of onset and progression of insulin resistance and type 2 diabetes using unique mouse models and is conducting molecular and cell biology studies of cultured insulin-responsive cells and tissues.

Currently the Institute for Clinical Biochemistry and Pathobiochemistry (ICBP) is looking for a highly motivated candidate for the allocation of a

## MASTER THESIS

with the topic

### “Characterization of novel type 2 diabetes and obesity associated risk loci”

#### Role and Responsibilities

- The selected candidate will be working on the metabolic characterization of murine *in vivo* models carrying genomic fragments of two diabetes protective loci. Measurements of blood glucose levels, body weight and body composition will be conducted. Moreover, glucose tolerance tests as well as insulin test will be assessed in different cohorts. Final experiments will involve gene expression via quantitative real time PCR (qRT-PCR) in different diabetes target tissues.

#### Requirements:

- Bachelor degree in biochemistry, biology or a similar field.
- Previous experience in mouse characterization and FELASA B certificate.
- Reliable performance, flexibility and teamwork skills.
- Self-motivated and driven to continuous improvement.
- Good knowledge of the English language.

#### Further informations:

- The DDZ is committed to family-friendly working conditions and equal gender policy. Since May 2011, the DDZ is a “Career and Family” audit-acknowledged Center.
- Females are encouraged to apply, and in the case of equal qualification will be given preference.
- Persons with disabilities will be given preference.

Please submit your application (by e-mail) with the relevant documents (motivation letter, CV, “Abitur certificate (graduate diploma), bachelor certificate) with the reference code **IKB-MA20-2** to: [personal@ddz.de](mailto:personal@ddz.de).

Data collection and further processing of your application at the DDZ will take place mainly by means of electronic data processing. The regulations pertaining to data protection laws will be adhered to. By sending us your application you consent to this procedure.

