Deutsches Diabetes-Zentrum
Leibniz-Zentrum für Diabetes-Forschung
an der Heinrich-Heine-Universität Düsseldorf

Zertifikat seit 2011
audit berufundfamilie

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

“Improvements in glycemic control by exercise”

Role and Responsibilities

- Insulin signaling plays an important role in the understanding of Type 2 Diabetes mellitus pathophysiology. Physical activity has been proven a useful means in the prevention and treatment of metabolic disorders.
- The selected candidate will analyze various physiological and molecular parameters for insulin resistance in a murine *in vivo* model subjected to exercise training on skeletal muscle and adipose tissue. Furthermore, diverse biochemical methods will be applied.

Requirements:

- Bachelor degree in biochemistry, biomedicine or a similar field.
- Willingness to work with *in vivo* models for insulin resistance (Felasa B certificate is an advantage)
- 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.

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.

Please submit your application (by e-mail) with the relevant documents (motivation letter, CV, “Abitur certificate (graduate diploma), bachelor certificate) to alexandra.chadt@ddz.de.

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