

The University Hospital Bonn (UKB) is a maximum care hospital with more than 1,306 planned beds. Our more than 8,300 employees perform tasks in research, teaching and patient care as well as in public health at the highest level. In 2021, the UKB has the fourth-highest case-mix index and the best economic result of the university hospitals in Germany and is ranked first among the university hospitals in NRW in the science ranking (LOMV).

The **Institute of Pharmacology and Toxicology**, Faculty of Medicine, University of Bonn (Germany), Director Prof. Dr. Alexander Pfeifer, invites applications for a

## PhD student/doctoral position (f/m/d), part-time 65%

The position is available for three years, with the possibility of extension.

The project aims to investigate mechanisms by which exercise training regulates non-shivering thermogenesis in collaboration with our partner at the Technical University of Munich. The project is integrated in the new Collaborative Research Center/Transregio 333 "Brown and Beige Fat Organ Crosstalk, Signaling and Energetics (BATenergy)" and affiliated to the principal investigator Dr. Ana Soriano-Arroquia, Institute of Pharmacology and Toxicology, Bonn.

### Your tasks:

---

- *In vitro* investigation of adipocytes and skeletal muscle cells
- Establishment and optimization of *ex vivo* and *in vivo* models of exercise
- Isolation and characterization of small extracellular vesicles (exosomes)

### Your Profile:

---

- Successfully completed bachelor's and master's degrees in biology, biochemistry, biotechnology or related sciences
- Very good knowledge in molecular and cell biology
- Creative and open mind. Willingness to learn new techniques and concepts
- Previous work experience in a molecular laboratory, human and/or mouse tissue culture and animal experimentation will be considered an advantage
- Awareness of the 3Rs principles; ethical research, transparency and integrity
- Proficiency in written and spoken English

### We offer:

---

- **Highly collaborative**, interdisciplinary and vibrant research community
- **Salary according** to the German salary scale TV-L 13
- **"Jobticket"** (subsidized public transport)
- **Possibility to** use the day care center
- **Structured onboarding**
- **Career development** opportunities (advanced training courses, workshops, Mentoring)

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the

*Landesgleichstellungsgesetz* (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome.

### **Kontakt:**

---

Do you meet our requirements and are you looking for a varied and challenging job? Do not hesitate and send your complete and detailed application including the following documents: cover letter with a brief description of your motivation and research experience; curriculum vitae; list of publications (if any); two letters of recommendation and relevant certificates. Please, send any inquiries and your application by e-mail as a summarized PDF document by 4 weeks after publication of the job advertisement, quoting job advertisement no. 164\_2022 to:

**Universitätsklinikum Bonn**  
**Institut für Pharmakologie und Toxikologie**  
**Ann-Kathrin Löttgen**  
**Sekretariat von Prof. Alexander Pfeifer**  
**Venusberg-Campus 1**  
**53127 Bonn**  
**E-Mail: [sekretariat.ipt@ukbonn.de](mailto:sekretariat.ipt@ukbonn.de)**  
**[www.ukbonn.de](http://www.ukbonn.de)**