The University of Bonn Institute of Physiology I, Germany, invites applications for a

**PhD student position (m/f/d)**

*(65 %)*

The position starts as soon as possible and is for a period of three years, with the possibility of extension.

The ideal candidate will be a highly motivated, team-oriented graduate with a strong interest in muscular diseases. Experience with mammalian cell culture, animal experimentation or molecular biology techniques is advantageous. Candidates should hold a diploma or a master’s degree in biology, biochemistry, biomedicine or a related subject.

The main focus of the project will be the analysis of inducible transgenic mouse lines for cardiac and skeletal muscle specific overexpression of a point mutated co-chaperone which causes a myofibrillar myopathy. Applied methods will include cryosectioning, histological and immunofluorescence staining, qPCR, and biochemical methods. In addition, the functional consequences of the muscular dystrophy on skeletal muscle physiology will be investigated *ex vivo* by application of mechanical stress by electrostimulation in a myograph. This will allow us to unravel the pathomechanism of this myopathy with potential for use in clinical applications. The position includes teaching of physiology courses to medical students in German. Accordingly, the successful candidate needs very good written and spoken German skills.

We offer supportive mentoring and a well-equipped laboratory.

**We offer:**

- The salary will be according to the German salary scale TV-L (EG 13)
- A “Jobticket” (subsidized public transport) is available
- There is also a possibility to use the day care center
- Supplementary benefits in the public sector (pension plan according to VBL)

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.

The application should include CV, motivation letter, certificates and letter(s) of recommendation.
Please send your application including supporting documents mentioned above citing the reference number 379_2020 by 01.09.2020 at the latest.

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