The University Hospital Bonn is a maximum care facility with a regular capacity of 1.300 beds. Our current staff of more than 8.000 performs assigned duties in research, teaching and medical treatment, including the use of advanced medical technologies, and public health care services at the highest possible level. Interested applicants will be offered a wide range of employment opportunities in a variety of fields.

The University of Bonn Medical School, 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 an extension.

The ideal candidate will be a highly motivated, team-oriented graduate with a strong interest in cardiovascular disease. Experience with animal experimentation, mammalian cell culture, 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 to understand the underlying mechanism of cardiac regeneration in neonatal mice. Applied methods will be cardiac surgery in neonatal and adult mice, echocardiography, cryosectioning, histological and immunofluorescence staining, cell isolation, RNA and protein isolation, western blot, qPCR and biochemical methods. Furthermore, the effect of identified candidate factors/genes will be studied *in vitro* and *in vivo*. This will allow us to identify target genes/proteins responsible for cardiac regeneration, which might have potential therapeutic effects for patients suffering from cardiovascular disease in the future. 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 448_2020 by 01.09.2020 at the latest.

Prof. Dr. B. Fleischmann
Institut f. Physiologie I
Universitätsklinikum Bonn – Life&Brain Center
Venusberg-Campus 1
53127 Bonn
E-mail: physiologie1@uni-bonn.de