The Rheinische Friedrich-Wilhelms-Universität Bonn is an international research university with a broad spectrum of disciplines. 200 years of history, around 38,000 students, more than 6,000 employees and an excellent reputation at home and abroad: The University of Bonn is one of the most important universities in Germany and has just been awarded the title of Excellence University.

The LIMES institute is inviting applications for

**a PhD student position (65%)**

for a period of three years as soon as possible.

**Job description**

Within the PolyBiohybrid project our group will apply design and selection strategies aiming at enriched nucleic acid libraries (eNAL) that can be used to target tumour tissue. PolyBiohybrid is highly interdisciplinary and will open novel routes for personalized drug development. It has implications ranging from life sciences to robotics, and from combinatorial (bio)chemistry to (pre)clinical sciences.

**Qualification profile**

The PhD project will be in the area of targeting tumour tissue *in vitro, ex vivo, and in vivo* (xenografts in mice). You will be involved in developing robotics-assisted procedure for generating enriched nucleic acid libraries that recognize tumour tissue *ex vivo*.

**Your duties**

- Xenograft implantation in mice,
- investigation of tumor development in xenograft mouse models,
- plans, directs and conducts specialized and advanced research experiments,
- evaluation and analysis of data,
- may establish new research protocols and procedures,
- summarizes research findings and contribute to publish results in research journals,
- may be responsible for laboratory operations.

**Your profile:**

- a solid background (master or diploma) in Biology, Biochemistry, Molecular Medicine, Chemistry,
- motivation to work with mice (Felasa B course is advantageous),
- ability to work independently and in a team,
- excellent management and communication skills,
- highly motivated in interdisciplinary research,
- good computer and language (English) skills.

**We offer:**

- a diverse and demanding job with one of the largest employers in the region,
- highly innovative techniques in Biochemistry, Molecular and Cell biology,
- a well-equipped workspace in an active international team,
- supportive mentoring and a well-equipped laboratory,
- successful candidates will be awarded a PhD,
- company pension scheme (VBL),
- numerous offers of university sports,
- very good transport connections or the possibility to purchase a VRS major
The University of Bonn is committed to diversity and equal opportunities. It is certified as a family-friendly university. Its aim is to increase the proportion of women in areas where women are under-represented and to particularly promote their careers. It therefore urges women with relevant qualifications to apply. Applications are treated in accordance with the Land Equality Act. The application of suitable people with proven severe disabilities and persons of equivalent status is particularly welcome.

If you are interested in this position, please send your application documents including cover letter, curriculum vitae and certificates by 08st November 2020 and only in single a PDF file by e-mail to gmayer@uni-bonn.de, with the application code 13.20.331. Please address any questions regarding the position described to Prof. Dr. Günter Mayer at the same address.