

The Basic Research Unit of the **Department of Cardiology, Pneumology and Angiology** at the Medical Faculty of the Friedrich Wilhelms-University of Bonn invites applications for a

Postdoctoral position

to study the role of extracellular vesicles and non-coding RNAs in vascular biology.

For the project “Characterization of regulatory cellular mechanism in miRNA selection, packaging and transfer via microvesicles” funded by the German Research Foundation (DFG), we are looking for highly motivated individuals with a strong background in molecular and cellular biology.

The overall goal of the position is to 1. analyze the non-coding RNA expression pattern of extracellular vesicles, 2. to identify its regulation mechanisms and 3. to investigate their effects on vascular biology.

The post-doctoral fellow will work in the team “Vascular Intercellular Signalling” (headed by Prof. Werner) with Dr. Felix Jansen (http://bonn-herzzentrum.de/?page_id=12453).

The Basic Research Unit is made up of interdisciplinary groups of scientists focusing on vascular signaling and repair. We have implanted multiple miRNA and lncRNA techniques ranging from unbiased array approaches to translational therapeutic in-vivo strategies. Our research group has a large grant funding volume. It is equipped with modern facilities and offers the opportunity to work with leading scientists in an international and team-orientated environment. While knowledge of the German language is not mandatory, excellent written and spoken English skills are required. The applicant should provide evidence that she or he is capable to conduct research independently and to write and publish scientific articles.

The position is available for 2-3 years. The regulations of the German fixed-term contract act for sciences are relevant for the expiration of the contracts. The classifications are determined by TV-L, EG 13.

The University of Bonn is an equal opportunity employer.

Applicants should send a CV, a brief outline of their research experience and interests and names/e-mail addresses of at least two persons able to provide recommendation letters to:

**Prof. Dr. Nikos Werner (Head of the Research group: nikos.werner@ukbonn.de) and
Dr. Felix Jansen (Project leader: felix.jansen@ukbonn.de)**

Please refer to the application number 216_2017.