

The **NRW-Schwerpunktprofessur Biohybrid & Medical Textiles at the Institute of Applied Medical Engineering** (Prof. Dr. med. Stefan Jockenhövel) invites applications for a full-time (100%, 38.5 h/w) position as

Research Group Leader (f/m/d) Cardiovascular Tissue Engineering

The NRW focus professorship [Biohybrid & Medical Textiles \(BioTex\)](#) focuses on the development of biohybrid implants, which are produced from patient's own cells. Biohybrid implant research has developed rapidly in recent years and has led to promising new therapeutic approaches.

Biohybrid implants consist of a technical and a patient's own cellular component. For this reason, our working group is very interdisciplinary and includes scientists from the fields of materials research, natural sciences, engineering and medicine. A high international orientation is also our strength.

In cooperation with the DWI Leibniz Institute for Interactive Materials and the Aachen-Maastricht-Institute for Biobased Materials (RWTH & University of Maastricht) and the Institute for Textile Technology, we have set ourselves the goal of advancing research along the value chain from biomaterial development and processing to implant development and clinical application.

Your Responsibilities

We are looking for a research group leader for the Cardiovascular Tissue Engineering pillar. The research group leader leads an interdisciplinary and international team of scientists, participates in the strategic and content-related further development of the research area and represents the research group as well as the main professorship within and outside the university. The medium-term goal of our application-oriented basic research is translation into clinical application. The tasks of the research group management also include the acquisition and scientific management of research projects, the publication of work results in specialist journals and at conferences as well as participation in relevant networks and committees.

Your Profile

- A university degree in medicine, biology, biotechnology, biomedical engineering or mechanical engineering (MD, MD/PhD and PhD) is required.
- We are looking for a highly motivated scientist with a very good PhD and at least 2 years PostDoc experience, as well as independent research achievements presented in internationally visible publications.
- Experience in the management of research projects and the acquisition of third-party funding is also desirable.
- Your qualification also includes very good specialist knowledge in the field of tissue engineering and regenerative medicine (a clinical background is an advantage, but not a prerequisite).
- Knowledge in the field of textile manufacturing techniques and bioreactor technologies would be desirable.
- A high level of leadership and communication skills, in-depth knowledge of biomedical research methods, very good structuring and teamwork skills, pronounced initiative and a very good command of written and spoken English are required.

We also expect from you

- an outstanding research interest in the field of cardiovascular biohybrid medical technology and the will to advance innovative ideas into clinical application (first-in-human),
- the ability to lead a research group result-oriented and to pass on the joy of research to young scientists.
- Furthermore to take responsibility for the financing and further development of the cardiovascular pillar and
- to develop, advance and manage third-party funding applications at (inter)national level.

Our Offer

- An attractive working environment in a dynamic, international and interdisciplinary team.
- A full-time position (38.5 h/week), initially for 2 years. Further employment is intended.
- Remuneration in accordance with German public service salary scale level EG 14 TV-L, including public service benefits.
- Excellent development and training opportunities.
- Potential for developing own research avenues and acquiring 3rd party funding.
- A diverse range of health promotion and the extensive program of university sports.

RWTH Aachen University is certified as a "Family-Friendly University". We particularly welcome and encourage applications from women, disabled persons and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University. The principles of fair and open competition apply and appointments will be made on merit.

Please send us your application documents including code **GB-P 23140** by **March 25, 2020** as a single PDF file. The PDF should contain the following documents: (i) letter of motivation, (ii) curriculum vitae with contact addresses of three references, (iii) list of publications, (iv) list of third-party funds raised, (v) short essay (max. 2 pages, in English) on how you believe the field of cardiovascular tissue engineering will develop in the future.

NRW Schwerpunktprofessur, Biohybrid & Medical Textiles, AME – Helmholtz Institute for Biomedical Engineering, Forckenbeckstr. 55, 52074 Aachen, Germany
Nina Keusgen, Science management, keusgen@ame.rwth-aachen.de. Please note, however, that communication via unencrypted email poses a threat to confidentiality vulnerable to unauthorized access by third parties.

For further details, please contact:

Prof. Dr. med. Stefan Jockenhövel or Prof. Dr. med. dent. Christian Apel, NRW Schwerpunktprofessur, Biohybrid & Medical

