

## HSB Research Fellow in Biomimetics

The Biomimetics-Innovation-Centre (B-I-C) at the Bremen University of Applied Sciences invites applications for the following position

Postdoctoral Research Fellow  
Salary Scale TV-L 13, full-time, starting as soon as possible  
The position is a fixed term position (2 years)  
Reference number: FK5-Postdoctoral\_Fellow\_01/18

The Bremen University of Applied Sciences (HSB) is characterized by the poles of tradition and innovation. Although its roots extend back more than two hundred years, our range of faculties is modern and uniquely oriented toward the future. The HSB is member of UAS7, a strategic alliance of seven leading German Universities of Applied Sciences committed to excellence in teaching and research. Since its foundation in 2005, the Biomimetics-Innovation-Centre (B-I-C) at the HSB has been coordinating research activities in the fields of fundamental interdisciplinary research and development.

### Project Description

Currently the B-I-C is looking for an outstanding young postdoctoral research fellow to conduct an interdisciplinary research project at the interface of biology, biomechanics and materials sciences. Research within the project will focus on the biomechanical analysis of arthropod exoskeletons and the development and construction of bio-inspired space probes. The research fellow will work closely together with Prof. Dr. Dirks (Biological Structures and Biomimetics), Prof. Dr. Labisch (Biomechanics and Design), and Prof. Dr. Müssig (Biological Materials/Material Sciences).

### Requirements

- PhD (or be close to completion) in either organismal biology, zoology, biomechanics or materials sciences
- profound interdisciplinary experience in morphological experimental techniques
- experience in state-of-the-art imaging techniques
- experience in simulation (CAD, FEA and n-body) or material analysis

The willingness to gain additional experience in these fields would be an advantage.

The B-I-C is closely collaborating with the international B.Sc. programme "Biomimetics" at the Hochschule Bremen. The project will thus also allow the research fellow to gain valuable interdisciplinary teaching experience with a group of highly motivated students. It is expected that the successful candidate will show interest and willingness to support the department's teaching activities (English or German).

The Bremen University of Applied Sciences is committed to a policy of providing equal employment opportunities for both men and women alike, and therefore strongly encourages women to apply for the positions offered. In case of equal qualifications and aptitude, applicants with disabilities will be considered preferentially. The Bremen University of Applied Sciences explicitly invites individuals with migration backgrounds to apply.

Applications including a cover letter, a short letter of intent (up to two pages) explaining your own motivations and possible research questions, CV, as well as copies of degree certificates, should be submitted by 14<sup>th</sup> August 2018 under the reference number FK5-Postdoctoral\_Fellow\_01/18 to

Hochschule Bremen, Dezernat 1  
Herrn Norman Wachter  
Neustadtswall 30, 28199 Bremen.  
email: Norman.Wachter@hs-bremen.de

Please note that the costs of application and presentation cannot be reimbursed. Your documents will be kept until the period stated in the *Landesgleichstellungsgesetz* (LGG) has elapsed, when your application will be destroyed under due consideration of the terms of data-protection laws.

**To explore the post further or for any queries you may have, please contact:**

Professor Dr. Jan-Henning Dirks, Biomimetics-Innovation-Centre, Hochschule Bremen  
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