In Search of Excellence!

ZIK HIKE / Ernst Moritz Arndt University Greifswald

Humoral Immune Reactions in Cardiovascular Diseases (HIKE)

The Ernst Moritz Arndt University of Greifswald has established an interdisciplinary Centre for Innovation Competence (German: Zentrum für Innovationskompetenz, ZIK) to explore humoral immune reactions in cardiovascular diseases (HIKE). The aim of ZIK HIKE is to explore the role of immune mechanisms in cardiovascular diseases as well as the mechanisms of immune reactions to biotherapeuticals.

ZIK HIKE is located on the new life sciences campus where the University Hospital and the institutes of the Faculty for Mathematics and Natural Sciences, as well as the Medical Faculty are united. HIKE offers an outstanding research infrastructure, a thriving research environment, an excellent potential for scientific development and allows for a long-term career perspective in research for the research group leader. A nanostructuring infrastructure from e-beam to 3D laser lithography is available.

HIKE will expand its expertise in autumn 2015/winter 2016 by establishing a new research group. Together with the German Federal Ministry of Education and Research (BMBF), HIKE invites applications for the position of a Junior Research Group Leader “Biomechanics”.

Applicants preferably hold a PhD in life sciences with a focus on biochemistry, biophysics and nanotechnology. They must have several years of experience in basic as well as independent research and an outstanding knowledge in the areas of cell and protein mechanics. Applicants are familiar with nanotechnological methods (i.e. atomic force microscopy, force spectroscopy) and microscopy methods (i.e. confocal microscopy, TIRF, epifluorescence). Knowledge and/or experience in research in cardiovascular diseases is ideal. The candidates should develop a research plan to investigate the impact of immune system components on the biomechanics of cardiovascular cells and antibody-antigen interactions using biophysical approaches. Work experience abroad as well as flexibility, team spirit, a high level of social competence and the ability to work interdisciplinary are expected. Experience in managing a research group is an advantage.

The research group will be funded by the BMBF for a period of five years with an above-average budget including the salary of additional research staff (four full time positions), consumables and equipment. The group leader’s position can be extended another three years. The implementation of ZIK HIKE’s Strategiekonzept 2024 is a requirement for the group leader.

Female and disabled applicants, qualified according to the above criteria, will be given preference over other candidates with equivalent relevant qualifications.

Please send your application until 15/07/2015 to both ZIK HIKE and the project management organization that represents the BMBF:

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and

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For further information please see: http://www.hike-autoimmunity.de
For all details on the application requirements please see: http://www.unternehmen-region.de/de/374.php