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Christian-Albrechts-Universität zu Kiel



UNIVERSITÄTSKLINIKUM
Schleswig-Holstein

PhD Position in Bioinformatics/Biostatistics

Institute of Clinical Molecular Biology (IKMB), Christian Albrechts University (CAU) in Kiel, Germany

The University Medical Center Schleswig-Holstein is one of the largest university hospitals in Europe with more than 80 clinics and institutes. It offers outstanding medical treatment and excellence in research and education with nearly 12,500 employees, 2,600 patient beds and more than 100,000 hospitalized patients, 240,000 outpatient cases and in excess of 3,000 births a year. We provide top research at the interface of medicine, science and technology and maintain research co-operations with universities all over the world.

The research focus of the Institute of Clinical Molecular Biology (IKMB) is on the identification of genetic factors and mechanisms in complex inflammatory diseases, using high-throughput technologies and state-of-the-art computational methods. The IKMB at the Christian Albrechts University in Kiel is a recognized leader in translational genomic research in inflammatory barrier diseases and home to three senior research groups as well as four junior groups and over 120 employees. The Institute operates several high-throughput platforms and participates in the DFG (Deutsche Forschungsgemeinschaft) Clusters of Excellence "Inflammation at Interfaces" and "Future Ocean" and in the Graduate School "Human Development in Landscapes".

We are seeking competent support to strengthen our team in Kiel, ideally starting from 1 November 2017 or later. The initial contract is limited to two years with the possibility of extension. The position to be filled is funded by the BMBF (German Federal Ministry of Education and Research) systems medicine network "GB-XMAP: A systems methodology to assess the risk of gut-brain cross diseases by characterizing expressional changes".

What you can expect:

You will primarily evaluate existing machine learning techniques for the analysis of high-dimensional genomic data and will conduct scientific studies for inflammatory barrier diseases such as ulcerative colitis, based on state-of-the-art next generation sequencing and array data.

What we expect:

We are seeking a highly motivated and qualified candidate (m/f) with an academic degree (master's degree or diploma) in (bio-)informatics, (bio-)statistics, molecular biology or related areas, pronounced analytical and theoretical abilities and solid knowledge of programming (R and/or Python/Perl/C++). Experience in bioinformatics/biological information processing or molecular biology is advantageous. You should enjoy working on research questions as part of a team. As you will work in an international environment, strong communication skills in English both spoken and written are also necessary.

What we offer:

You will join an exciting multidisciplinary research environment with various opportunities to be part of the national and international scientific community. Doctoral students (m/f) are encouraged to attend international conferences and visit cooperation partners. We offer flexible working hours and various opportunities to reconcile work and family life. Salary will be, depending on qualifications, according to the German salary scale 13 TV-L (65%).

The UKSH has been certified as a family-friendly institution and is committed to further improve the compatibility of work and family life. The University Medical Center Schleswig-Holstein is an equal opportunity employer. People with disabilities will be given preference in case of equal qualifications.

Does that sound interesting?

For more details on the position, please contact Prof. Dr. David Ellinghaus (phone: +49-431-500-15131). Questions on administrative aspects can be addressed to Jana Gisdelski (phone: +49-431-500-11192). More information on the University Medical Center Schleswig-Holstein and the Institute of Clinical Molecular Biology (IKMB) can be obtained online at www.uksh.de/karriere and www.ikmb.uni-kiel.de.

We are looking forward to your application. Please submit your application until XX November 2017, indicating your earliest possible starting date as well as the reference number 20170890, via our online portal: www.uksh.de/Bewerbung.html?nr=20170890

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