ROBERT KOCH INSTITUT

Promoting Research and Evidence
Sharing Knowledge
Protecting and Improving Health

Founded in 1891, the Robert Koch Institute (RKI) is one of the world's oldest biomedical research institutions. Today, the RKI is Germany's national public health institute. It employs more than 1,150 people, provides excellent research infrastructure and pursues a modern approach to its scientific work.

The RKI is located in Berlin – Germany's vibrant, multicultural capital in the heart of Europe. The Institute's facilities are set in the environment of a clean, green city that is home to first class art, historical and science museums and well-known theatres. Public transit links to other districts and the surrounding countryside are excellent.

The RKI offers flexible work hours and terms of employment that promote in as far as possible employee life-work balance. Education and training are also provided based on employee needs. The RKI also has a comprehensive health maintenance program and assists incoming staff members and their families in settling in their new location.

The RKI is an affirmative action, equal opportunity employer.

Submit your application via the public service job portal Interamt at www.interamt.de by 14 October 2019.

Please note the position identification number: 539372(StellenID)/Kz. 109/19.

If you have questions about the application procedure, please contact:
Katharina Brandt
Tel.: +49 30 18754 2812
E-Mail: BrandtK[at]rki.de

To learn more about the RKI please visit the institute's website at www.rki.de.

We are offering the following position in our Junior Research Group 2 "Metabolism of Microbial Pathogens" for a

Doctoral Candidate (PhD position m/f/d)

(50%, public sector wage scale [TVöD] grade E 13).

The contract is limited to 30 June 2020 with the option of extension for two years. The position will be available immediately.

The position is part-time to allow an opportunity for independent research dedicated to completion of doctoral work.

Toxoplasma gondii is an apicomplexan parasite that infects at least a quarter of the human population globally. Key to its prevalence is the formation of transmissible persistent tissue cysts in muscles that withstand all medical treatments. This project aims to elucidate resistance and persistence mechanisms based on a combination of live-cell imaging and a computation modelling-based approach. Depending on progress this project also holds the opportunity to work with state of the art mass spectrometry-based metabolomics.
This project will be supervised by Martin Blume (Robert Koch-Institute). Modelling will be done in a collaborative effort.

Tasks and responsibilities:

- Live cell imaging of reporter parasite strains in perfusion
- Computer modelling (agent-based models)
- Molecular biology
- Publication and presentation of research results
- Guidance and support of scientific assistants

Requirements and qualifications:

- A completed university degree (Masters, Diploma, Honours) in the field of life sciences, preferably biology, biochemistry, biotechnology, biophysics or bioinformatics, which qualifies you to complete a PhD
- Previous exposure to computer modelling approaches is advantageous
- Solid skills in MS-Office applications or equivalent are required; knowledge in R or other data analysis environments are advantageous
- Language skills (CEFR level): English at least C 1 (advanced knowledge), elementary knowledge of German (A 2) is of advantage. We expect non-German speaking applicants to be willing to obtain the level of language proficiency required to function effectively in your work environment.
- Willingness for an extended safety inspection in accordance with § 9 Safety Inspection Act (SÜG)

You should have a proven interest in modelling and metabolism. You are also able to independently formulate scientific questions and develop experimental approaches. The short and interdisciplinary nature of this project requires the ability to quickly take up new tasks and work independently with appropriate supervision to meet objectives.

For more information, please contact:
Dr. Martin Blume
Tel.: ++49 30 18754 2572
E-Mail: BlumeM[at]rki.de

Please note that in single cases the Federal Ministry of Health may access your application documents to ensure appropriate personnel selection within its scope as supervisory authority. Your data will be deleted immediately after the completion of the application process.