

Job Advertisement

The Department of Microbial Biochemistry and Cell Biology at the Institute of General Microbiology, Faculty of Mathematics and Natural Sciences, Christian-Albrechts University of Kiel, is seeking to fill a position for a

Research Associate (PhD Candidate)

with the opportunity to pursue a doctoral degree in the field of Molecular Microbiology and Single-Molecule Microscopy. The position is available immediately and is initially limited to three years. The regular weekly working hours correspond to 65% of full-time employment (currently 25.155 hours per week), with a salary according to pay group E 13 TV-L, provided the applicable tariff requirements are met.

We are looking for a highly motivated doctoral candidate to join an exciting project exploring the molecular mechanisms of signal transduction and regulation of glutamate synthesis in *Corynebacterium glutamicum*. Candidates should have a solid background in molecular microbiology, genetics, and biochemistry. Experience with bacterial systems and a solid understanding of the relevant experimental techniques are essential. Experience with single-molecule microscopy is desirable. The project will be conducted in close collaboration with research groups from Forschungszentrum Jülich and the Institute Pasteur (Paris).

Your Profile:

- Master's degree in Biochemistry, Microbiology, or a related field in the life sciences
- Experience in microbiology, bacterial genetics, protein biochemistry, and/or microscopy techniques
- Basic knowledge of biostatistics
- Fluency in spoken and written English, comparable to C1 level of the European Framework of Reference for Languages (certification not required)
- Ability to work effectively in a diverse research team
- Passion for science and a willingness to present research results at conferences
- Strong communication skills and an organized work style
- Experience with the publication process is advantageous but not required

This position requires excellent analytical skills, independent working abilities, and a keen interest in microbial processes. You will be part of a dynamic team working on innovative projects, with opportunities for collaboration, conference attendance, and professional development.

The Bramkamp Lab (www.bramkamplab.org) focuses on understanding the spatial and temporal organization of prokaryotic cells, particularly with regard to cell division, chromosome organization, and membrane dynamics. Using advanced microscopy, molecular genetics, and biochemistry, we study processes such as protein localization, cell compartmentalization, and phage-bacteria interactions. Our research aims to uncover the molecular mechanisms underlying cellular self-organization. As a team member, you will have access to state-of-the-art resources, including super-resolution microscopy, and opportunities for career growth and networking.

Christian-Albrechts University of Kiel (CAU), located in the vibrant city of Kiel, is Schleswig-Holstein's leading institution for research and teaching. CAU is renowned for its excellence in the life sciences, particularly microbiology, marine biology, and evolutionary biology. It offers a stimulating academic environment with cutting-edge facilities, including a microscopy service unit, and emphasizes interdisciplinary collaboration. The nearby Baltic Sea coast is one of Germany's most scenic regions, offering numerous opportunities for outdoor activities.

Christian-Albrechts University of Kiel values diversity and is a modern, open-minded employer. We welcome applications regardless of age, gender, cultural and social background, religion, belief, disability, or sexual

identity. We promote gender equality and strongly encourage qualified women to apply, aiming to increase the proportion of female scientists in research and teaching. Women with equivalent qualifications, skills, and professional achievements are given preferential consideration.

CAU is committed to employing people with disabilities: applications from individuals with disabilities and those with equivalent status will be given preference if they meet the required qualifications. We also explicitly encourage applications from candidates with a migration background.

If you are enthusiastic about microbiology and meet the qualifications, we look forward to your application! Please send your application, including a CV, a compelling cover letter, and two references, **in a single PDF file** by **December 31, 2024**, to:

Prof. Dr. Marc Bramkamp (bramkamp@ifam.uni-kiel.de).

Please note that applications containing only a CV will be considered incomplete and will not be further processed. We expressly ask applicants not to include photographs. Application materials submitted by post will not be returned; they will be destroyed after the application process concludes, and all other materials will be deleted.

For questions regarding the research topic, please contact Prof. Dr. Marc Bramkamp at bramkamp@ifam.uni-kiel.de

