Job posting

Type of position

☒ scientific  ☐ administrative

Target group

☒ graduates  ☐ post docs  ☐ other

Title

University Assistant (prae doc) at the Department of Biological Chemistry, Faculty of Chemistry, University Vienna

Institution

Position

University Assistant (prae doc) at the Department of Biological Chemistry

Reference number: 12903

The Department of Biological Chemistry at the Faculty of Chemistry announces a position for a university assistant (prae-doc) on the topic of developing chemical tools for investigating microbial interactions (research group Microbial Biochemistry, Böttcher lab). Further Information: The advertised position is associated with the newly established professorship of Microbial Biochemistry bridging the Faculty of Chemistry and the Department of Microbiology and Ecosystem Science. The employment is initially limited to 11 months.

Duration of employment: 11 months
Extent of Employment: 30 hours/week
Job grading in accordance with collective bargaining agreement: §48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

Responsibilities

We are currently looking for a highly talented and highly motivated PhD student (prae-doc) with a strong background in Synthetic Chemistry, and Chemical Biology to join our Microbial Biochemistry Research Group at the University of Vienna. In our research group we explore chemical strategies for the customized modulation of bacterial population behavior with the goal of selectively interfering and controlling growth, motility, virulence and species interactions of human pathogens and commensals. We also investigate the chemical interactions of commensal and pathogenic bacteria as well as the chemistry of microbe-human interactions and aim to exploit the potential of the privileged structures of natural products by synthetic organic
chemistry. We hereby focus mainly on novel anti-infective compounds including inhibitors of virulence and specific pathogenesis-associated targets as well as species selective antibiotics. Our vision is to develop customized chemical tools to selectively target viability, virulence and behavior of individual species in a complex microbiome which would open the possibility of chemical microbiome engineering in the future.

Duties and responsibilities of the successful applicant will include, but are not limited to:
- Participation and implementation of research projects on the aforementioned topics with the possibility of writing a dissertation
- Design and synthesis of bacterial natural products
- Elucidation of biosynthetic mechanisms
- Biological assay development
- Preparation of research reports, manuscripts for publications and oral presentations
- Supervision and training of students and staff members
- Support with administrative tasks
- Participation in teaching and independent teaching of courses as defined by the collective agreement
- Involvement in the organisation of meetings, conferences, symposiums
- Involvement in the department administration as well as in teaching and research administration

Requirements

Completed degree (Master) in chemistry, life sciences, biochemistry, molecular biology pharmacology, microbiology, or similar.
Excellent command of written and spoken English, very good organization skills, precision and diligence in laboratory work, highest level of motivation, excellent teamwork skills.

Application documents:
Letter of motivation including research interests, Academic curriculum vitae, List of publications, evidence of teaching (if available), Degree certificates.

Research fields:
Main research field: Chemistry
Special research fields: Chemical biology
Importance: should

Education:
Educational institution: University
Educational level: Chemistry
Special subject: Biochemistry
Importance: should
Languages:
English:
Language level: Very good knowledge
Importance: must

Computer-Skills:
Type of computer skills: Basic Knowledge
Specified computer skills: MS Office
Importance: should

Application procedure (deadline etc.)
Applications including a letter of motivation (German or English) should be submitted via the Job Center to the University of Vienna (http://jobcenter.univie.ac.at) no later than 17.03.2022, mentioning reference number 12903.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (http://diversity.univie.ac.at/). The University lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.

Human Resources and Gender Equality of the University of Vienna
Reference number: 12903
E-Mail: jobcenter@univie.ac.at
Privacy Policy of the University of Vienna

Contact
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