

Research Assistant/Associate (f/m/d) - PhD student

in Biotechnology, Biochemistry, Chemistry or
Biology for DFG project

Lehr- und Forschungsgebiet Biomaterialien

Job-ID: V000002644

Location: Aachen

Contract duration: Fixed-term employment

Job evaluation: EG 13 TV-L.

Start date: 01.07.2022

Working hours: Part-time, 26,69h

Published: 08.04.2022

Application time: 30.04.2022

Job type: Academic staff

Our Profile

For a DFG funded project in the Laboratory for Biomaterials (Institute of Biotechnology and Helmholtz-Institute for Biomedical Engineering) at RWTH Aachen University we are looking for a research assistant/associate within the DFG funded project, biocompatible neo-glycoproteins for selective targeting of galectin-4 will be produced in cooperation with our partner Prof. Dr. Vladimír Křen (Czech Academy of Sciences). The goal is to develop a chemo-enzymatic synthesis platform for glycan epitopes and modified sugar building blocks for their multivalent presentation on a protein carrier with tailored glycan avidity. The binding properties of galectin-4 will be investigated with monovalent glycans and multivalent neo-glycoproteins.

Your Profile

Candidates with university degree (Master or equivalent) in Chemistry, Biotechnology, Biochemistry or Biology should have very good practical experience and knowledge in the field of molecular biology, enzyme technology, protein purification as well as analytics (HPLC, CE, ELISA). Experience in biocatalysis and carbohydrate chemistry is advantageous. The ability to work in a team and a high

degree of personal responsibility are expected in order to lead this project to success together with our cooperation partner.

Your Duties and Responsibilities

The responsibilities of the doctoral candidate include the chemo-enzymatic synthesis of glycan epitopes and neo-glycoproteins and their characterization as ligands for galectin-4.

What We Offer

The successful candidate will be employed under a regular employment contract.

The position is to be filled by 7/1/2022 and offered for a fixed term. The position is offered for a fixed term from 01.07.2022 up to 30.06.2025.

The fixed-term employment is possible as it constitutes one of the fixed-term options of the Wissenschaftszeitvertragsgesetz (German Act on Fixed-term Scientific Contracts).

This is a part-time contract position.

The standard weekly hours will be 26,69 hours.

67% Ph.D. position

The successful candidate has the opportunity to pursue a doctoral degree in this position.

The salary is based on the German public service salary scale (TV-L).

The position corresponds to a pay grade of EG 13 TV-L..

About us

RWTH is a certified family-friendly University. We support our employees in maintaining a good work-life balance with a wide range of health, advising, and prevention services, for example university sports. We also offer a comprehensive continuing education scheme and a public transportation ticket available at a significantly reduced price.

RWTH is an equal opportunities employer. We therefore welcome and encourage applications from all suitably qualified candidates, particularly from groups that are underrepresented at the University. All qualified applicants will receive consideration for employment and will not be discriminated against on the basis of national or ethnic origin, sex, sexual orientation, gender identity, religion, disability or age. RWTH is strongly committed to encouraging women in their careers. Female applicants are given preference if they are equally suitable, competent, and professionally qualified, unless a fellow candidate is favored for a specific reason.

As RWTH is committed to equality of opportunity, we ask you not to include a photo in your application.

You can find information on the personal data we collect from applicants in accordance with Articles 13 and 14 of the European Union's General Data Protection Regulation (GDPR) at

<http://www.rwth-aachen.de/dsgvo-information-bewerbung>.

Contact & Application

Contact regarding the application

Prof. Dr. Lothar Elling

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