



2021-06-04 - 6/2021

Postdoctoral Researcher in Hemicellulose Bioengineering (m/f/d)

Background

Glycans densely cover the surface of all life forms. Although carbohydrates are essential for our health, energy and materials needs, these complex molecules are challenging to study. Most of the organic biomass on Earth is stored in polysaccharide-rich walls, which enable plants to thrive in a remarkable range of environments. **The Designer Glycans group seeks mechanistic insight into plant glycan function, synthesis, and modification.** Advances in these areas will lead to the production of plants and biopolymers with tunable properties.

We offer a postdoctoral position that is funded for up to three years, starting **February 2022**. Salary is according to the German Public Service (100% of E13 TV-L) and includes excellent benefits. The aim is to further decipher the biosynthesis and roles of plant hemicelluloses, by engineering plants and orthologous hosts (Voiniciuc *et al.*, 2019, *PNAS*; Yang *et al.*, 2020, *New Phytol*; and Robert *et al.*, 2021, *bioRxiv*). The candidate will join an ambitious independent junior research group with state-of-the-art facilities for carbohydrate analysis, cell imaging and plant cultivation. They will also be supported in applying for fellowships and third-party funding (e.g. to establish an independent research career). IPB Halle is located near the heart of Germany, in a historic city that offers many cultural attractions and excellent transportation links.

Visit DesignerGlycans.com or contact Catalin.Voiniciuc@ipb-halle.de for more information.

Requirements

Applicants should have or be close to obtaining a PhD degree (biology, biochemistry, or related topics), and have demonstrated the ability to successfully design and complete research projects. Knowledge in one or more of the following areas is essential: molecular biology, microscopy, and protein or carbohydrate biochemistry. Experience with the bioengineering of plants or other eukaryotes would be an asset. The candidate should be highly motivated to solve biological puzzles and to develop scientific leadership skills within an English-speaking team.

How to apply

Applicants are requested to send a motivation letter and CV (as a single PDF file) via email to bewerbungen@ipb-halle.de, quoting reference number 6/2021. The Designer Glycans lab is committed to increasing diversity in science and encourages all qualified applicants (regardless of race, gender, ethnicity, sexual orientation, age, religion, or disability) to apply for this position.

Review of applications begins immediately and will continue until the position is filled.

Please notice our data protection information for applicants (m/w/d) according to Article 13 and 14 GDPR concerning data protection processing in the application process: <https://www.ipb-halle.de/en/career/data-protection-information-for-applicants/>

Address:

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