

Research Associate Biocatalysis

Company:

ZHAW

Location:

Switzerland / Wädenswil

Discipline:

Employment Type:

Permanent Full-time

Posted:

2022-08-26

Contact Person:

If you wish to apply for this position, please specify that you saw it on AKADEUS.

Research Associate Biocatalysis 100 % Wädenswil

The successful candidate will be part of our effort to harness enzyme engineering for the development of next-generation industrial biocatalysts.

School: Life Sciences und Facility Management

Starting date: 01.10.2022 or per arrangement

Your role

Your responsibilities include, but are not limited to.

- Execution of innovative research projects in the field of biocatalysis and enzyme engineering
- Development and expansion of the state-of-the-art laboratory infrastructure
- Supervision of internships, Bachelor's and Master's theses
- Support in the acquisition and implementation of funded R&D projects with partners from industry and the public sector

Your profile

You have a PhD degree in chemistry, biochemistry, or biotechnology or several years of industrial experience in the relevant field.

You have theoretical and practical knowledge in (computational) protein engineering, biochemical reactions, molecular biology, enzyme assay development and analytics (GC, GC-MS, HPLC-MS). Experience in the handling and analysis of oligonucleotides is highly desirable. You are motivated to conduct research in a future-oriented scientific field and are interested in the technical implementation of new methods. You are enthusiastic about working in a multidisciplinary environment and able to communicate well with scientific and industrial partners. Curiosity, didactic skills, and enjoyment to work with students complete your profile.

This is what we stand for

Zurich University of Applied Sciences ZHAW is one of Switzerland's largest multidisciplinary universities of applied sciences, with over 14'000 students and 3'400 faculty and staff.

Around 1,800 students are currently enrolled at the School of Life sciences and facility Management, which has more than 600 employees. We offer seven Bachelor's and four Master's degree programmes, together with a wide range of continuing education courses.

The Institute for Chemistry and Biotechnology (ICBT) is one of the scientific institutes at the ZHAW. It conducts applied research on cutting-edge topics relating to health, chemistry, biotechnology and the environment - from antibiotic resistance and antiviral agents to microplastics and more sustainable chemical processes.

The Centre for Biocatalysis and Process Technology develops methods and processes along the biotechnological value chain:

Our experts identify and optimize enzymatic and metal-organic catalysts and carry out the technical and biotechnological implementation of industrial processes for the production of high-value substances.

We offer you a challenging task in an inspiring working environment with a motivated, young team.

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For further information on ZHAW or our Institute, go to: www.zhaw.ch/jobs

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