

Postdoctoral Researcher in Enzyme Engineering Aalto University School of Chemical Engineering

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Posted Jan. 20, 2021, set to expire May 22, 2021

Job Title Postdoctoral Researcher in Enzyme Engineering
Department Department of Chemistry and Materials Science
Institution Aalto University School of Chemical Engineering
Helsinki, , Finland

Date Posted Jan. 20, 2021

Application Deadline Feb. 15, 2021

Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Chemistry - Biochemistry

Job Website <https://www.aalto.fi/en/open-positions/postdoctoral-researcher-in-enzyme-engineering>

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Job Description

Aalto University is a community of bold thinkers where science and art meet technology and business. We are committed to solving grand societal challenges and building an innovative future. Aalto has six

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schools with nearly 11000 students and a staff of more than 4000. Our main campus is located in Espoo, Finland, in the Helsinki metropolitan area. Diversity and inclusiveness are part of who we are, and we warmly encourage qualified candidates from all backgrounds to join our community.

To support our team in an ongoing Academy of Finland project, the group of Bioorganic Chemistry at Aalto University invites applications for the position of a

POSTDOCTORAL RESEARCHER in ENZYME ENGINEERING

The Deska research group is dedicated to the development of novel enzymatic methodologies and to expand the biocatalytic toolbox for synthetic-organic applications. At the interface between organic synthesis and the molecular biosciences, our young and international team provides an inspiring interdisciplinary environment for researchers from different fields to broaden their academic portfolio and to engage in exciting new science.

THE POSITION AND OUR EXPECTATIONS

The open postdoctoral position is going to start off a new endeavour in which we attempt to repurpose copper-centred monooxygenases as catalysts for new-to-nature reactions. The SweetCopper project aims at developing non-natural catalytic transformations based on fungal metalloproteins, the investigation of underlying mechanisms, and the engineering of the proteins to improve stereoselectivity and broaden the reaction/substrate scope. Key qualifications: experience in heterologous expression of fungal enzymes, protein engineering, directed evolution.

SCIENTIFIC ENVIRONMENT

Our research is carried out in modern facilities with a state-of-the-art infrastructure. We offer functional laboratories for synthetic-organic work in the Department of Chemistry & Materials Science, as well as access to excellent biotechnology facilities in the Department of Biosystems & Bioproducts. All laboratories are located on the main campus of Aalto University in Otaniemi, a short metro-ride from Helsinki.

READY TO APPLY?

If you want to join our team, please submit your application material through our recruitment system following the link below, latest by February 15th, 2021.

To qualify for this position, you need to check the following boxes:

- a doctoral degree in a suitable field such as molecular biology or biotechnology
- a proven track record of research at a high scientific level
- motivation, commitment and good teamwork skills

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- good written and oral communication skills in English

To apply, please share the following application materials with us, in English and as PDF files:

- Application letter, starting with your statement "I am interested in this position because..."
- Curriculum vitae, incl. list of publications
- Research portfolio, outlining your previous projects and your interests in science
- Names and contact information for references

Aalto University reserves the right for justified reasons to leave the position open, to extend the application period and to consider candidates who have not submitted applications during the application period.

MORE INFORMATION

If you wish to learn more about the team and our work, visit www.deskalab.com. More information about the position can be enquired by contacting Prof. Jan Deska, in recruitment process-related questions you may contact HR coordinator Isabella Itäpalo. Emails: firstname.lastname@aalto.fi

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Professor Jan Deska
Department of Chemistry and Materials Science
Aalto University School of Chemical Engineering
Otakaari 5, Espoo
Helsinki
Finland

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Contact E-mail `firstname.lastname@aalto.fi`