Postdoctoral Researcher in Organic Chemistry of Molecular Materials
Aalto University

Job Title	Postdoctoral Researcher in Organic Chemistry of Molecular Materials
Department	T107 Bioproducts and Biosystems
Institution	Aalto University , , Finland
Date Posted	Apr. 15, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Chemistry - General
Job Website	https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Researcher-in-Organic-Chemistry-of-Molecular-Materials_R39408
Apply By Email	

Job Description

Aalto University is where science and art meet technology and business. We shape a sustainable future by making research breakthroughs in and across our disciplines, sparking the game changers of tomorrow and creating novel solutions to major global challenges. Our community is made up of 13 000 students, 400 professors, and more than 4 500 other faculty and staff working on our dynamic campus in Espoo, Greater Helsinki, Finland. Diversity is part of who we are, and we actively work to ensure our community’s diversity and inclusiveness. This is why we warmly encourage qualified candidates from all backgrounds to join our community.

The School of Chemical Engineering is one of the six schools of Aalto University. It combines natural sciences and engineering in a unique way.

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The Photoactive Organic Materials group is looking for a

Postdoctoral Researcher in Organic Chemistry of Molecular Materials

We are looking for a postdoctoral researcher to join our research group at the interphase between organic chemistry, supramolecular chemistry, and photoresponsive molecular materials. We are interested in the structure-function relationship of molecular chromophores. In this position, you will be developing a novel family of dyes based on the aggregation induced phenomenon, targeting to achieve photo response between their on and off emitting state.

If you are passionate about colorful chemistry and high-end applications, apply!

Scientific environment

[url=https://www.aalto.fi/en/department-of-bioproducts-and-biosystems]The Department of Bioproducts and Biosystems (BIO2), one of three departments in the School of Chemical Engineering at Aalto University, has an internationally leading reputation in basic and applied research for the development of advanced materials from natural resources. It is one of Europe’s leading research and higher education institutions in the field of sustainable chemistry and engineering based on the utilization of renewable resources.

BIO2 aims to contribute to the development of novel solutions to move towards sustainable primary production and processing systems that can produce materials with fewer inputs, less environmental impact, and reduced greenhouse gas emissions. Within bioscience, the department has research in bioprocess technology, molecular biotechnology, enzyme technology, metabolic engineering, synthetic biology, biomolecular, and biohybrid materials. Other strengths of the department include sustainable materials and products based on lignocellulose, ranging from nanomaterials to novel cellulose-based textiles.

Requirements *
Recently obtained PhD (within five years) in Organic Chemistry, or a closely related field *
Proficiency in organic synthesis, common purification and characterization techniques (NMR, Mass spectroscopy, and absorbance spectroscopy) *
Knowledge on supramolecular chemistry and self-assembly systems *
Good command of English language

Skills, knowledge or interest in some of the following areas are highly appreciated: *
Previous knowledge on molecular photoswitchers will be strongly considered as assets *

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A strong drive for development of soft skills, such as application for personal grants, supervision of undergraduate students, etc.

What we offer *
A multicultural environment that encompasses five nationalities from four continents *
Top-tier research facilities, ranging from organic chemistry, photochemistry, and materials characterization *
Full support on achieving research independence

The candidate will be granted fixed-term contract for 18 months. The expected starting salary of a postdoctoral researcher is approximately 3900-4100 EUR/month depending on experience.

Ready to apply?

To apply for the position, please submit the following application materials in English through the ’Apply’ link at the latest on 19.05.2024.

The application should include the following *
Cover letter (one page maximum) *
CV, incl. list of publications (five pages maximum) *
Names and contact details of two references

Aalto University’s employees and visitors should apply for the position via the internal HR system Workday (keyword Find Jobs) by using their existing Workday user account (not via the external webpage for open positions).

For more information

For additional information, please contact Dr. Eduardo Anaya (eduardo.anaya@aalto.fi).

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.

Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact

Finland