

A Postdoctoral Researcher in polymer chemistry to
develop polymer-supported radicals and liquid-crystalline
elastomers
Aalto University

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Posted Dec. 5, 2024, set to expire Apr. 6, 2025

Job Title A Postdoctoral Researcher in polymer chemistry to
develop polymer-supported radicals and liquid-
crystalline elastomers

Department T105 Chemistry and Materials

Institution Aalto University
, , Finland

Date Posted Dec. 5, 2024

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Chemical/Petroleum

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/A-Postdoctoral-Researcher-in-polymer-chemistry-to-develop-polymer-supported-radicals-and-liquid-crystalline-elastomers_R41626-3

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 close to 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.

[url=https://www.aalto.fi/en/school-of-chemical-engineering]The School of Chemical Engineering is one

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of the six schools of Aalto University. It combines natural sciences and engineering in a unique way.

The Department of Chemistry and Materials Science and the Department of Chemical Engineering and Metallurgy are jointly looking for:

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The position is shared between two vibrant and innovative the groups Multifunctional Materials Design and Polymer Synthesis Technology. The successful candidate will join two projects, aiming to develop future CRM-free energy storage through development of active electrode materials for organic radical ion batteries and potentially also join a project for energy-saving buildings through tuning the phase-transition temperature of liquid-crystalline elastomers. The first project is part of the FinnCERES ecosystem, bringing together high-end materials research and a local business ecosystem, the second project is a high-profile ERC-funded ModelCom. The successful candidate has the ability and willingness to drive high-profile, interdisciplinary research in a joint effort between two experimental groups and contribute occasionally to teaching and supervision of MSc and PhD level researchers.

Your background and expertise

A study background and doctorate degree in polymer chemistry, polymer technology, soft materials science, or related field, as well as, a good publication record and a strong understanding of soft matter and macromolecular design, are needed. The candidate should have demonstrated expertise in dissemination of scientific results, and we appreciate showcasing participation in successful multidisciplinary research projects. Prior expertise in teaching and supervisory duties, as well as project management is seen as advantages. The candidate must have good oral and written command of English.

What we offer

At Aalto University you have the possibility to work within a well-resourced learning community where the students are rigorously selected and highly motivated. This results in an unusually interactive and intellectually engaging atmosphere. Our main campus is located in Espoo, Finland, in the capital Helsinki region. Helsinki is the lively, dynamic capital of Finland with active international social scene, good opportunities for culture or outdoor activities, and reputedly high quality of living in general.

The employment contract is fixed-term for one year with a possibility for extension. The starting salary for a Postdoctoral Researcher is approximately 3960 €/month. The contract includes occupational health care benefits and Finland has a comprehensive social security system.

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How to apply

To apply, please submit your application at your earliest convenience but no later than 30.12.2024 through our online recruitment system by using the "Apply now" link.

Please note: Aalto University's employees should apply for the position via our internal system Workday -> Internal Jobs by using their existing Workday user account.

To apply, please share the following application materials with us in English and in PDF (the maximum size of each document is 5MB and the maximum number of documents is 5). *

A letter of motivation *

A complete curriculum vitae describing education and employment history, as well as, list of scientific publications *

Contact details of at least 2 possible reference letter writers

Evaluation of the applications may start immediately.

Additional information is available from Prof. Jaana Vapaavuori (firstname.lastname(a)aalto.fi).

More info about the research groups at [[url=https://www.aalto.fi/en/mmd](https://www.aalto.fi/en/mmd)]Multifunctional Materials Design | Aalto University and [[url=https://www.aalto.fi/en/department-of-chemical-and-metallurgical-engineering/polymer-synthesis-technology](https://www.aalto.fi/en/department-of-chemical-and-metallurgical-engineering/polymer-synthesis-technology)]Polymer Synthesis Technology | Aalto University

Contact Information

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

Contact

Finland