

Postdoctoral researcher in the field of lignocellulose
chemistry
Aalto University

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Posted Mar. 21, 2025, set to expire Dec. 31, 2025

Job Title	Postdoctoral researcher in the field of lignocellulose chemistry
Department	T107 Bioproducts and Biosystems
Institution	Aalto University , , Finland
Date Posted	Mar. 21, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Bioengineering (all Bio-related fields)
Job Website	https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-researcher-in-the-field-of-lignocellulose-chemistry_R42707

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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We are now looking for a

Postdoctoral researcher in the field of lignocellulose chemistry

Are you interested in research and working towards the future of bio-based polymer technologies? We are now looking for a motivated co-worker to a team that is passionate about forest resources, biomass, fractionation processes and phenomenon, materials, and their future perspective.

Your role and goals

The group is looking for 1-2 postdoctoral researchers with high scientific ambition and a background in the field of lignocellulose materials. The group has several ongoing projects in the field, ranging from polymeric properties of wood hemicelluloses and lignins, resource-efficient processing of forest biomass, to innovative packaging systems. You are expected to divide your time between pursuing your own research and instructing doctoral researchers with planning of experiments and writing of scientific papers. The position(s) are offered within a [[url=https://www.aalto.fi/en/doctoral-education-pilot/cimanet-doctoral-education-network](https://www.aalto.fi/en/doctoral-education-pilot/cimanet-doctoral-education-network)]CIMANET doctoral education network and [[url=https://www.finnceres.fi/](https://www.finnceres.fi/)]FinnCERES Flagship, thus you are also expected to support the arrangements of various events within the network. The position is available immediately, but the starting date can be negotiated to several months ahead.

Your network and team

The position is open in [[url=https://www.aalto.fi/en/departments-of-bioproducts-and-biosystems/lignocellulose-chemistry](https://www.aalto.fi/en/departments-of-bioproducts-and-biosystems/lignocellulose-chemistry)]the research group lignocellulosic chemistry headed by Prof. Tiina Nypelö.

The laboratories are situated within the [[url=https://www.aalto.fi/en/departments-of-bioproducts-and-biosystems](https://www.aalto.fi/en/departments-of-bioproducts-and-biosystems)]Department of Bioproducts and Biosystems. The department of Bioproducts and Biosystems (Bio2), one of the 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 the leading European 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

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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.

The project is connected to FinnCERES Flagship program ([url=https://www.finnceres.fi/research-themes]https://www.finnceres.fi/research-themes) and [url=https://www.aalto.fi/en/doctoral-education-pilot/cimanet-doctoral-education-network]CIMANET doctoral education network.

Your experience and ambitions

The candidate is expected to have: *

Recently obtained PhD or doctoral degree (within 5 years) in chemistry, chemical engineering, forest products, or similar *

Good written and oral communication skills in English *

Interest in working in the laboratory, carrying out experiments, measurements, and data analysis

What we offer

The postdoctoral researcher position will be filled for 1.5 up to 3 years. The expected starting salary of the postdoctoral researcher is 3960-4100 EUR/month depending on experience.

The workplace is in Otaniemi, Espoo. The Otaniemi campus is a thriving and connected community of 100 nationalities, 13 000 students and 4 500 employees. Life at the transformed campus is vibrant and filled with amazing architecture, calming nature, and a variety of cafes, restaurants, services and good connections along the metro line.

Ready to apply?

If you want to join our community, please submit your application through our online recruitment system no later than 20.4.2025 by using the link on Aalto University's webpage ("Apply now").

To apply, please include the following documents in English and as a single pdf document: *

1 page motivation letter specific to this project *

1 page description of previous relevant research experience *

CV with a possible list of publications and the title of your doctoral/PhD thesis *

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List of references that we may contact

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).

The position will be filled when a suitable candidate is found.

Want to know more about us and your future colleagues? You can watch these videos:

[url=https://www.youtube.com/watch?v==5k_og_6zUJQ]Aalto University - Towards a better world,
[url=https://www.youtube.com/watch?v==dUfEGVM-ZP8&feature==youtu.be]Aalto People, and
[url=https://www.youtube.com/watch?v==ZK6pDWm1_CE]Shaping a Sustainable Future.

Read more about working at Aalto: [url=https://www.aalto.fi/en/careers-at-aalto]https://www.aalto.fi/en/careers-at-aalto

Check out our new virtual campus experience: [url=https://virtualtour.aalto.fi/]https://virtualtour.aalto.fi/

For further information about the position, please contact Professor Tiina Nypelö
([tiina.nypelo\(at\)aalto.fi](mailto:tiina.nypelo@aalto.fi)).

About Finland

Finland is a great place for living with or without family - it is a safe, politically stable and well-organized Nordic society. Finland is consistently ranked high in quality of life and was listed again as the happiest country in the world: [url=https://worldhappiness.report/news/world-happiness-report-2024-most-comprehensive-picture-yet-of-happiness-across-generations/]World Happiness Report 2024

Contact Information

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

Contact

Finland

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