Post-doctoral position in Molecular Machine Learning
Aalto University

Job Title	Post-doctoral position in Molecular Machine Learning
Department	T313 Dept. Computer Science
Institution	Aalto University
	, , Finland
Date Posted	Dec. 9, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Mathematics/Applied Mathematics
	Computer/Information Sciences
	Biology - Computational
Job Website	https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Post-doctoral-position-in-Molecular-Machine-Learning_R45000-1

Apply By Email

Job Description

Aalto University is inviting applications for a Postdoctoral researcher in molecular machine learning. The successful applicant will join the research group of Professor Juho Rousu. The position allows the successful applicant to choose a flexible balance between advanced machine learning method development and exciting applications on molecular data, including biomedicine and drug discovery. The position gives excellent opportunities in publishing in high-quality forums.

We expect the applicants to have a PhD degree (or close to completing one) in computer science, mathematics or statistics, with an excellent publication record. Solid research experience in one or more of the following topics is expected:

* Graph neural networks
* Optimization algorithms
* Predicting structured output
* Self-supervised learning
* Computational metabolomics
* Computational biomedicine
* Computational drug discovery

Excellent technical and communications skills are required.

Additional information
For questions regarding the position, please contact professor [url=https://www.aalto.fi/en/people/juho-rousu]Juho Rousu.

About Aalto University Computer Science
Department of Computer Science, Aalto University is is one of the top 10 Computer Science departments in Europe and top 100 globally. The department has a strong focus in AI and machine learning with around 20 professors active in the area, as well as a significant emphasis in health and biomedical research. Aalto University hosts the FCAI flagship (https://fcai.fi) and the ELLIS Institute Finland ([url=https://www.ellisinstitute.fi]https://www.ellisinstitute.fi), part of the pan-European AI network of excellence (https://ellis.eu/members). Significant high-performance computing resources (e.g. LUMI supercomputer, [url=https://lumi-supercomputer.eu]https://lumi-supercomputer.eu) are at the disposal of our researchers.

What we offer
The expected starting salary for a postdoctoral researcher is 4100-4400 € depending on experience. The position is initially for two years with a possibility of extension. The contract includes occupational health care, and Finland has a comprehensive social security system. Aalto University provides excellent learning and development opportunities, and a commuter ticket benefit in longer employments.

How to Apply
To apply, please submit the following application materials through our recruitment site ("apply now") by January 12, 2026.
To apply, please deliver the following application materials in English and in pdf format:
 Motivation letter
 Curriculum Vitae (with a list of publications)
 Doctoral degree certificate and study transcript

Post-doctoral position in Molecular Machine Learning
Aalto University

Names and contact information of possible referees

Please note: Aalto University's employees and visitors should apply for the position via internal HR system Workday (Internal Jobs) by using their existing Workday user account (not via the external webpage for open positions). Aalto University's students should apply as external candidates with personal (not Aalto) email.
More about Aalto University:
[url=https://www.aalto.fi/en/open-positions]Aalto.fi
[url=https://www.youtube.com/user/aaltouniversity]youtube.com/user/aaltouniversity
[url=https://www.linkedin.com/school/aalto-university/]linkedin.com/school/aalto-university/
[url=https://www.facebook.com/aaltouniversity]www.facebook.com/aaltouniversity
[url=https://instagram.com/aaltouniversity]instagram.com/aaltouniversityTo view information about Workday Accessibility, please click here.Please see more of our Open Positions here.

Contact Information

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

Contact

Finland