

## Postdoctoral Researcher in Computational Biology Aalto University

Direct Link: <https://www.AcademicKeys.com/r?job=238364>

Downloaded On: Jul. 2, 2024 3:06am

Posted Jul. 1, 2024, set to expire Dec. 30, 2024

**Job Title** Postdoctoral Researcher in Computational Biology  
**Department** T107 Bioproducts and Biosystems  
**Institution** Aalto University  
, , Finland

**Date Posted** Jul. 1, 2024

**Application Deadline** Open until filled  
**Position Start Date** Available immediately

**Job Categories** Post-Doc

**Academic Field(s)** Biology - Computational

**Job Website** [https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Researcher-in-Computational-Biology\\_R40194](https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Postdoctoral-Researcher-in-Computational-Biology_R40194)

**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.

The Microbial Physiology group develops novel methods guided by computational models for

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harnessing microbial cells' and communities' capabilities for applications. For an exciting new collaboration project, we are looking for a

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#### Research description

The goal is to use mechanistic and data-driven computational models to design optimized microbial community inocula for plant-based kefir and cheese fermentations.

Research is carried out at our excellent facilities at Aalto University, School of Chemical Engineering ([url=http://www.bioeconomyinfra.fi/]http://www.bioeconomyinfra.fi/). The laboratories are situated on the main campus of Aalto University in Otaniemi (short metro-ride from Helsinki) within [url=http://www.aalto.fi/en/department-of-bioproducts-and-biosystems]the department of Bioproducts and Biosystems.

#### Your experience and ambitions \*

A recently obtained PhD (within five years) in a suitable field, such as computational biology, bioinformatics \*

Metabolism, next-generation sequencing data \*

Metabolic modelling, machine learning, python programming \*

Be highly committed to science and strive for excellence \*

Develop own smart ideas and think independently \*

Be able to focus on solving tough scientific problems \*

Good written and oral communication skills in English

#### Skills, knowledge, or interest in some of the following areas are highly appreciated: \*

Experience in working with genome-scale metabolic models \*

Experience with microbial metabolism \*

Experience in working with metagenomics data

#### What we offer \*

High-end infrastructure and friendly colleagues \*

Opportunity to join an uprising, ambitious research group \*

Meaningful research topic that is part of an international consortium involving different research groups

\*

Freedom to bring in own ideas

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The position will be filled for 2 years (with a possibility of continuation). The expected starting salary of a postdoctoral researcher is approximately 3900-4100 EUR/month depending on experience.

Ready to apply?

If you want to join our community, please submit your application, through the 'Apply' link before Aug. 5th 2024. To apply, please share the following application materials with us in one combined pdf document: \*

Cover letter \*

CV, incl. a list of publications \*

Research experience description (in maximum of one page) \*

Names and contact details of 2-3 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 scientific information, please contact Prof. Paula Jouhten (firstname.lastname@aalto.fi).

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. You can

also check out our webpage about Aalto and Finland: [url=https://www.aalto.fi/en/services/welcome-to-aalto-university-and-finland-info-package]https://www.aalto.fi/en/services/welcome-to-aalto-university-

and-finland-info-package and our new virtual campus experience:

[url=https://virtualtour.aalto.fi/]https://virtualtour.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 just listed again as the happiest country in the world: [url=https://worldhappiness.report/news/its-a-three-peat-finland-keeps-top-spot-as-happiest-country-in-world/]https://worldhappiness.report/news/its-a-three-peat-finland-keeps-top-spot-as-happiest-country-in-world/. For more information about living in Finland:

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[url=https://www.aalto.fi/en/careers-at-aalto/for-international-staff]For international staff | Aalto University

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 applying for or inquiring about this job announcement.

### **Contact**

Finland