

Fundamentals of hyphae growth in mycelium composites

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We are now looking for a **Doctoral Researcher in field of bioproducts.**

Are you a passionate developer of future biomaterials based on mycelium?

We are now looking for a doctoral researcher to develop mycelium composites at Aalto University's department of Bioproducts and Biosystems. Join us in shaping the future!

Scientific environment

Our department is an internationally recognized unit focused on nature-derived products through green chemistry or biotechnological methods. We have the best available research infrastructure and several senior researchers that will help you in smooth start with me (Prof. Lauri Rautkari). Our research group have been extremely happy of the way of managing and few postdocs have already got professorships. In the first weeks, you will be assigned your own onboarding buddy who will help you get started with your work and studies at Aalto. Our facilities are situated on the main campus of Aalto University in Otaniemi within the Department of Bioproducts and Biosystems.

Your role and goals

Your role would be to plan your thesis and related experiments together with your supervisor. You will conduct the experiments independently, supported by postdocs. You will need to publish 3-4 scientific publications for your thesis, but often students publish together few extra papers to guarantee excellent possibilities to continue work in academia or in industry. You will guide BSc thesis and later MSc thesis and most probably help in MSc level teaching in lab works.

Your experience and ambitions

You should be:

- Highly motivated and proactive
- A keen interest to work in the lab, learn how to build your own instruments, perform your own experiments, and analyze your results.
- Excellent student track records

An applicant must have completed by 31 July 2024 or preferably earlier (to start employment on 1 August 2024) or by 31 December 2024 or preferably earlier (to start employment on 1 January 2025)

- a master's degree awarded by a university, or
- a study programme that in the awarding country gives eligibility for doctoral level studies

in bioproducts field, materials science field, preferably knowledge on mycelium composites or a closely related field. A good command of English is required, Finnish language is not, but it is an asset.