

Research Assistant (Master's Thesis Position) in
Mechanical Testing of Organogels
Aalto University

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Posted Apr. 18, 2024, set to expire Dec. 30, 2024

Job Title Research Assistant (Master's Thesis Position) in
Mechanical Testing of Organogels
Department T304 Dept. Applied Physics
Institution Aalto University
, , Finland

Date Posted Apr. 18, 2024

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Graduate Student

Academic Field(s) Physics - General

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Research-Assistant--Master-s-Thesis-Position--in-Mechanical-Testing-of-Organogels_R39458-4

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.

At the Department of Applied Physics, our pioneering research in physical sciences creates important industrial applications that hold great technological potential. Our research focuses on Materials

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physics, Quantum technology, Soft & living matter, and Advanced energy solutions. Topics extend from fundamental research to important applications. We educate future generations of research and development professionals, data specialists, technology experts, inventors, and scientists for industry and society.

Molecular Materials (Molmat) group offers a

Research Assistant (Master's thesis) position in mechanical testing of organogels

A Research Assistant position to work on a Master's thesis in mechanical testing of organogels is available at the group of Molecular Materials, Department of Applied Physics (School of Science) at Aalto University.

Our research focuses on developing materials with novel functionalities, designed from the molecular level.

Your role and goals

We are seeking for a Master's student to work with us on the synthesis and characterization of an organogels. This project will involve radical polymerization and mechanical testing of the materials. The goal is to measure the mechanical properties of the organogels using universal tensile tester.

Your network and team

The employee will be based in the group of Molecular Materials, led by Aalto Distinguished Professor Olli Ikkala, at the Department of Applied Physics. More information about our group can be found in: [\[url=https://www.aalto.fi/en/departments-of-applied-physics/molecular-materials-molmat\]](https://www.aalto.fi/en/departments-of-applied-physics/molecular-materials-molmat)<https://www.aalto.fi/en/departments-of-applied-physics/molecular-materials-molmat>

Your experience and ambitions * Suitable experiences in related fields, e.g. basic knowledge in chemical synthesis and material characterization techniques, experiences in a chemistry lab etc. * Excellent study record * Good English & team working skills
?

Students from the chemistry or material sciences background will have priority in the evaluation process, even better if you have worked with polymers. Applicants with a strong motivation to learn new things will also be considered, even if from a different background.

What we offer

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We offer a highly interdisciplinary working environment, with challenging and interesting topics related to hydrogel, biomimetic materials, etc. You will also join the exceptional scientific environment of Academy of Finland Center of Excellence LIBER.

The employment contract will be fixed-term and made for 6 months. Aalto University follows the salary system of Finnish universities. The salary for a master's thesis worker is approximately 2250 € per month (gross). The contract includes Aalto University occupational healthcare.

Join us!

If you are interested to learn more about our group and would like to be considered for the position, please submit your application in English through our recruitment system by clicking the link "Apply now!" on our webpage.

To apply, please share the following application materials with us: * One-page CV * Motivation letter (max. one page, briefly introducing your credentials) * Study transcripts (Master and if possible Bachelor also) * Other supporting material (e.g. Reference letters)

Please note: Aalto University's employees should apply for the position via our 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 and visitors should apply as external candidates with personal (not aalto) email.

The deadline for applications is 10.5.2024. We aim to fill this position starting at 01.06.2024 and will start evaluating the applications as soon as we receive them. The position will be filled once a suitable applicant appears.

More information

If you wish to hear more about the position, you can reach out to Chen Liang [[url=mailto:chen.liang@aalto.fi](mailto:chen.liang@aalto.fi)]chen.liang@aalto.fi. In application process related questions, you can contact HR Advisor Hanna Multisilta, [[url=mailto:hanna.multisilta@aalto.fi](mailto:hanna.multisilta@aalto.fi)]hanna.multisilta@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](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](https://www.youtube.com/watch?v=dUfEGVM-ZP8&feature=youtu.be)]Aalto People , and [[url=https://www.youtube.com/watch?v=ZK6pDWm1_CE](https://www.youtube.com/watch?v=ZK6pDWm1_CE)]Shaping a Sustainable Future. Read

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

Contact Information

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

Contact

Finland