

Assistant Professor in Neuroscience and Biomedical
Engineering
Aalto University

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Posted Jun. 12, 2025, set to expire Dec. 31, 2025

Job Title Assistant Professor in Neuroscience and Biomedical Engineering
Department T314 Dept. Neuroscience and Biomedical Engineering
Institution Aalto University
, , Finland

Date Posted Jun. 12, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Assistant Professor

Academic Field(s) Bioengineering (all Bio-related fields)

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Assistant-Professor-in-Neuroscience-and-Biomedical-Engineering_R42850

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 120 nationalities, 14 000 students, 400 professors and close to 5000 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 Department of Neuroscience and Biomedical Engineering (NBE) is home to world-class multidisciplinary research in human systems neuroscience, multimodal neuroimaging, neurostimulation, experimental biophysics, and biomedical engineering. The levels of description in the

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research and education at the department range from molecular and cellular measures to noninvasive neuroimaging and behavioral measurements.

New generations of multidisciplinary scientists and engineers are educated by engaging them with cutting-edge science and technology. Our strong emphasis on research is also reflected in our wide-ranging collaborations, the highly international composition of our staff, and broad spectrum of funding sources. Our graduates assume positions in academia, industry, and government and emphasize the importance of scientific evidence in our society. Our research discoveries and innovations pave the way for new companies contributing to health, wellbeing, and prosperity.

The [\[url=https://www.aalto.fi/en/departments/neuroscience-and-biomedical-engineering\]](https://www.aalto.fi/en/departments/neuroscience-and-biomedical-engineering)Department of Neuroscience and Biomedical Engineering at Aalto University School of Science invites applications for:

Assistant Professor Position (Tenure Track) in Neuroscience and Biomedical Engineering

We are looking for an Assistant Professor who has experience in and passion for both experimental human imaging neuroscience and the related analysis and interpretation methods and tools. We additionally value expertise in behavioral measurements, neurostimulation, or computational modelling.

While the scope of the position is broad, the new professor is expected to have a strong experimental approach to research. The experimental facilities immediately available at the department include MEG/EEG, functional and anatomical MRI, behavioral measurements, and TMS. At NBE, we also actively develop advanced data analysis methods. Invasive brain recordings in patients are possible through our collaboration with Helsinki University Hospital. In addition, we support studies of collective behavior in naturalistic settings using the broad range of equipment available at our infrastructures.

The position will be filled at the Assistant Professor level which is a full-time fixed-term entry-level faculty position on the Aalto University tenure track. The department is committed to fostering an inclusive environment with diverse faculty members. Women and others underrepresented in the field of this call are particularly encouraged to apply.

Role and requirements

The new Assistant Professor is expected to build and lead an internationally recognized research group and establish an ambitious research program in Neuroscience and Biomedical Engineering.

The new professor shall actively engage in education in this field at the NBE department and also more widely at Aalto University and participate in the development of our curricula at Bachelor's,

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Master's, and Doctoral levels.

The applicant needs to have a doctoral degree in a relevant field and be fluent in English.

Colleagues and infrastructure

Research at the Department of Neuroscience and Biomedical Engineering encompasses multiple disciplines. While we are looking for a new faculty member with strong competence in their own field, we also value the curiosity and courage to engage in interdisciplinary work.

The Otaniemi campus offers a comprehensive research infrastructure, including: *

[url=https://www.aalto.fi/en/aalto-neuroimaging-ani-infrastructure]Aalto Neuroimaging (ANI) Infrastructure is hosted at NBE. ANI houses MEG at MEG Core, fMRI at Advanced Magnetic Imaging Centre, and behavioral and psychophysical measurement systems at Aalto Behavioral Laboratory. * [url=http://magics.fi/]MAGICS is an infrastructure that supports scientific and artistic research utilizing 4D digitization and virtualization. It also offers research instruments to measure human experiences, particularly in natural settings. * [url=http://www.aalto.fi/en/otanano/micronova]Micronova is part of OtaNano, a research infrastructure for micro- and nanotechnology. * Computational infrastructure consisting of [url=https://scicomp.aalto.fi/triton/] the [url=https://scicomp.aalto.fi/triton/]Triton high-performance computing cluster, [url=http://csc.fi/en/]CSC - IT Center for Science, and [url=https://www.lumi-supercomputer.eu/about-lumi/]LUMI supercomputer.

Potential collaborative institutions include: * Aalto University in general and NBE in particular have well-established connections to the University of Helsinki and Helsinki University Hospital. These connections provide excellent opportunities for translational research and for developing clinical applications, e.g., at the [url=https://biomaglaboratory.fi/]BioMag laboratory. * Technical Research Centre of Finland, [url=https://www.vttresearch.com/en/]VTT, is one of Europe's leading research institutions. VTT is owned by the Finnish state and advances the utilization and commercialization of research and technology. VTT is located on the Otaniemi campus.

Tenure track in Aalto University

The position is in the tenure track career system, where professors are expected to conduct and supervise scientific research, to provide related academic education, to contribute to developing their field or discipline, as well as to participate in academic service to the University and beyond in the society. For more information on the tenure track system of Aalto University, including evaluation criteria, please see [url=https://www.aalto.fi/en/tenure-track]https://www.aalto.fi/en/tenure-track

The Assistant Professor applicants will be reviewed based on their potential and merit in research, teaching, service and impact in relation to the career stage.

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Individuals appointed to the tenure track have the opportunity to conduct research and to teach in order to build academic merits towards qualifying for an appointment to a tenured position. Career advancement on the tenure track is based on scheduled appointment reviews, which take into account the candidate's merits in all evaluation areas.

What we offer

All our work is guided by the values of the university: responsibility, courage, and collaboration. We are an open community where equality and inclusion enable curiosity, innovation, collaboration and wellbeing. We provide: * Starting package and grant writing support to help you establish your own team, * Excellent staff training and mentoring programmes, * Occupational health care services, and * Relocation support.

Aalto University promotes a healthy balance between work and family life, including flexible working hours. For all new staff members and their families, Aalto University provides dedicated introductory social and cultural events around the year.

Aalto University follows the salary system of Finnish universities. The position will be located at the Aalto University Otaniemi Campus, Espoo, Finland.

Finland is a great country to live in, with or without family. Finland is a safe, politically stable, and well-organized society with a healthy living environment. Finland offers many state-subsidized services including affordable day care, free schools and high-quality universities. More information about living and working in Finland is available [[url=https://www.aalto.fi/en/careers-at-aalto/living-in-finland](https://www.aalto.fi/en/careers-at-aalto/living-in-finland)]here.

For more information

If you have any questions or need additional information about the open position, please do not hesitate to contact the Chair of the Departmental Committee, Professor Matti Hämäläinen, [matti.s.hamalainen \(at\) aalto.fi](mailto:matti.s.hamalainen@aalto.fi), and for questions related to the recruitment process HR Partner Jenni Ståhl, [jenni.stahl \(at\) aalto.fi](mailto:jenni.stahl@aalto.fi)

Ready to apply?

If you want to join our community, please submit your application no later than 18 August 2025 before midnight Finnish time through our recruiting system by using the [Apply now](#) link.

To apply, please provide the following application materials with us: * Motivation letter * Curriculum Vitae: please follow the [[url=https://tenk.fi/en/advice-and-materials/template-researchers-curriculum-vitae](https://tenk.fi/en/advice-and-materials/template-researchers-curriculum-vitae)]template recommended by The Finnish National Board on Research Integrity. * List of publications, with the five most significant publications highlighted, including a paragraph describing

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their significance and the applicant's contribution. * Research portfolio: a concise (4 to 10 pages) reflection on the merits, long-term vision, and research plan. For instructions, visit?Aalto Tenure Track [\[url=https://www.aalto.fi/sites/g/files/flghsv161/files/2023-03/Liite%201%2020230222%20Aalto%20Tenure%20Track%20Policies%20and%20Procedures_ENG.pdf.pdf\]](https://www.aalto.fi/sites/g/files/flghsv161/files/2023-03/Liite%201%2020230222%20Aalto%20Tenure%20Track%20Policies%20and%20Procedures_ENG.pdf.pdf) and Procedures?document, Page 25. Please include a description of potential synergies with current research groups at NBE.

In addition a teaching portfolio will be requested from the shortlisted candidates: see [\[url=https://www.aalto.fi/sites/default/files/2024-04/Teaching-competence-assessment_Guidelines-for-a-candidate_2024_Aalto-University.pdf\]](https://www.aalto.fi/sites/default/files/2024-04/Teaching-competence-assessment_Guidelines-for-a-candidate_2024_Aalto-University.pdf)Aalto University's guidelines

All material should be submitted in English and must be enclosed as a single standard PDF file with file name "lastname_firstname_application.pdf". The first document of the PDF file is the motivation letter, followed by the appendices in the order given in the list above. Applications should be written using a minimum font size of 11 pt. The application materials will not be returned.?Please also note that our recruitment system will accept only a limited number of attachment, (max 5 with 5MB size each) - consequently please abide by our request to combine materials to a single pdf-file.

Applications for tenure track positions should be addressed to the Dean of Aalto University's School of Science and sent through the electronic recruitment system. Please refer to the title of the position concerned in your application.

Based on the application materials, the Departmental Committee will choose the most suitable applicants to visit NBE for interviews and teaching demonstrations during the fall 2025. The Departmental Committee may ask for two letters of recommendation from the shortlisted candidates. In addition, these shortlisted applications will be reviewed by external experts.

Aalto University reserves the right to extend the application period and to leave the position open.

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). If you are a visitor at Aalto University, please apply with your personal email address (not aalto.fi) via "Apply now" - link [\[url=https://www.aalto.fi/en/careers-at-aalto\]](https://www.aalto.fi/en/careers-at-aalto)Aalto University open positions.

You can find more about us and about your future colleagues in these videos and a virtual tour: [\[url=https://www.youtube.com/watch?v=#61;i8zawpNMVG8\]](https://www.youtube.com/watch?v=#61;i8zawpNMVG8)This is Aalto University!

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[url=https://www.youtube.com/watch?v==5k_og_6zUJQ]Aalto University - Towards a better world
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 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