

INVITATION FOR APPLICATIONS



The Institute for Molecular Medicine Finland (FIMM) is an international research institute focusing on human genomics and personalised medicine at the Helsinki Institute of Life Science (HiLIFE) of the University of Helsinki. FIMM integrates molecular medicine research, technology centre and biobanking infrastructures under one roof, promoting translational research in grand challenge projects, specifically, the impact of genome information from the Finnish population in personalised health and medicine, individualised cancer medicine, and digital molecular medicine. FIMM is part of the Nordic EMBL Partnership for Molecular Medicine, composed of the European Molecular Biology Laboratory (EMBL) and the centres for molecular medicine in Norway, Sweden and Denmark, and the EU-LIFE Community.

HiLIFE UNIT



The Broad Institute is a world leader in biomedical research, including more than three thousand scientists from some of Boston's leading institutions (Harvard, MIT, and Harvard-affiliated hospitals) and scientific disciplines (biology, chemistry, medicine, computer science, and engineering).

FIMM and Broad Institute are currently seeking

IT Specialist (Data visualization designer/data scientist)

for a fixed-term of 2,5 years with a possibility of extension

FIMM and Broad Institute collaborate closely with the aim to create a seamless exchange of expertise and knowledge between the two institutions. Within this collaborative framework, we are looking for a talented and passionate individual who loves data visualization and data analysis. The candidate will be based at FIMM, but with the possibility to travel or spend long period of time at the Broad Institute, if this required.

The candidate will be working on health data from the Finnish population including diagnostic codes and drug prescriptions. She/he will also be involved in one of the largest genetic projects in the world, which aims to genotype 500 000 Finnish individuals and utilize the excellent systematically collected health care records from the Finnish health care system to identify variants and genes associated with disease and health outcomes.

The ideal candidate will stand at the intersection between web development and data-science. With a natural sense of design and the ability to create simple, user-friendly and effective reporting tools, the candidate will also be passionately driven by scientific questions and show a genuine passion in learning data science methods to analyze a large volume of health and genetic data.

FIMM and Broad Institute provide a uniquely collaborative and analytically-minded environment with world-class scientists and resources where the candidate can learn and apply cutting-edge statistical and machine learning methods for analyzing health records and genetic data.

The primary responsibilities of the position include (depending on qualifications of the applicant):

- Developing an interactive web portal to report results from ongoing analysis on Finnish health records.
- Perform statistical analysis of large health and genetic data.

In close partnership with:



NORDIC EMBL
PARTNERSHIP FOR
MOLECULAR MEDICINE



INVITATION FOR APPLICATIONS

- Participating in development of visualization and reporting tools as part of other projects ongoing at FIMM and Broad Institute.



Qualification and experience:

- Master's degree in computer science, data science, information network, design (with strong quantitative and programming background), statistics or other relevant quantitative field.
- Doctoral degree (PhD) will be preferred.
- Experience in frontend websites development: HTML, CSS, javascript, React, flask and data visualization.
- Experience with at least one scientific programming language (R or python).
- Basic knowledge of SQL/noSQL database. Experience in working with cloud-based resources and deploying application in the cloud (e.g. using Kubernetes) is an asset.
- Solution-seeking, proactive and responsible way of working and keeping deadlines under pressure.
- Proficiency in oral and written English, our team is international.

We offer a great opportunity to be part of leading big data projects working in the forefront of the new wave of big data application for genome health in the field of genomics and building solutions with a real positive impact on healthcare and well-being. We are a young, vibrant and highly motivated international team. Our friendly, flexible, and supportive working culture makes us a great place to work at.

A successful applicant does not need to be an expert in all listed fields. Don't hesitate to contact us with inquiries about the position and if your unique skillset would be a good fit for the position!

Salary and contract:

A 2,5-year contract is available for the position with a possibility of extension. The salary will be commensurate with qualifications based on the Finnish university salary (YPJ) system depending on the credentials, previous experience and performance of the applicant.

How to apply:

To apply, please submit the application, together with your CV and a cover letter in PDF format through the [University of Helsinki electronic recruitment system](#) by clicking on the [Apply link](#). Please apply no later than June 20, 2018.

For further information please visit our website at <http://www.fimm.fi> or <http://www.broadinstitute.org> and/or contact Dr. Andrea Ganna - aganna@broadinstitute.org or Prof. Samuli Ripatti - samuli.ripatti@helsinki.fi

In case you need support with the recruitment portal, please contact recruitment@helsinki.fi

In close partnership with:



NORDIC EMBL
PARTNERSHIP FOR
MOLECULAR MEDICINE

