

INVITATION FOR APPLICATIONS



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. At the national level, FIMM was founded in 2007 as a joint research institute of the University of Helsinki (primary host), the Hospital District of Helsinki and Uusimaa, the National Institute for Health and Welfare, and VTT Technical Research Centre of Finland. In the beginning of 2017 FIMM joined the University of Helsinki's new life science research centre, Helsinki Institute of Life Science HiLIFE, as an operational unit.



FIMM is currently seeking

Up to 6 Postdoctoral Researchers in Statistical and/or Translational Genomics for the new Centre of Excellence in Complex Disease Genetics

for a fixed-term of two years with a possibility of extension for a third year

Description: Revealing the molecular mechanisms underlying common complex diseases holds the promise of improved and targeted prediction, prevention, diagnosis and treatment. Building on unique resources and an extensive track record in disease genetic studies in Finland, the Academy of Finland Centre of Excellence in Complex Disease Genetics (CoECDG), hosted at the Institute for Molecular Medicine Finland (FIMM) at HiLIFE, aims to develop and apply a powerful, reliable and general strategy for comprehensive identification of risk and protective variants. The CoECDG will also develop and pilot strategies and lead national efforts to implement genomic findings into prevention and personalised treatment of common complex diseases.

The CoECDG is searching for outstanding candidates to work as postdocs in projects related to the CoE key focus areas. The CoECDG has 10 PIs and builds on Finnish unique strengths: Europe's largest population isolate, large-scale genomic data, decades of nationwide health register follow-up, EHR with possibility for inbuilt automated decision-support systems – and focuses on genetic discovery and translation in three systemic diseases (coronary artery disease, diabetes and inflammatory bowel disease), neuropsychiatric disorders and addictions. The successful candidates will interact with research groups within CoECDG and with national and international collaborators and participate in collaborative research projects such as the FinnGen project. Much of the research at CoECDG will be done in collaboration with leading global genomics institutions. There is also a possibility for research visits to some of these, including the Broad Institute of MIT and Harvard.

In particular, we are looking for post docs for the following projects:

- 1) Role of genetics in pathways through major life-course health events
- 2) Building tools for prediction and prevention of key complex diseases
- 3) Building tools for personalised management of complex diseases
- 4) Genomics of pancreatitis

Qualification and experience: We are looking for future research leaders to work with large-scale genomic projects with potential to cutting edge research and to develop and

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pilot next generation approaches and tools for genomic medicine of complex diseases. The candidates are expected to hold a doctoral degree (or are expected to finish their degree soon), preferably in data science, clinical medicine, statistical genetics, genetic epidemiology, or in a related field.



Salary and contract: A two-year contract is available for the position, starting on 1.5.2018, with a possibility of extension for a third year. 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 postdoctoral researcher.

How to apply: The application should include (i) CV, (ii) a publication list, (iii) a one-page statement of research interests and motivation for applying for this position, (iv) a one-page description of the candidate's main achievements so far and (v) contact information of two reference persons who have agreed to provide a written statement on behalf of the applicant.

Please submit your application, together with the attachments, as a single pdf file, through the University of Helsinki electronic recruitment system by clicking on Apply for job. Internal applicants (i.e., current employees of the University of Helsinki) must submit their applications through the SAP HR portal.

Apply at the latest on April, 9th 2018.

For further information about the position, please visit our website at <https://www.helsinki.fi/en/researchgroups/centre-of-excellence-in-complex-disease-genetics> or our research group websites or contact Professor Samuli Ripatti (samuli.ripatti@helsinki.fi) or Research coordinator Ulla Tuomainen (ulla.tuomainen@helsinki.fi). For the potential correspondence, please use the following topic in your subject field "CoECDG OPEN POSTDOC POSITION"

CoECDG research groups:

Mark Daly (statistical genetics, inflammatory bowel disease and psychiatric disorders)

Martti Färkkilä (inflammatory bowel disease)

Leif Groop (diabetes)

Benjamin Neale (statistical genetics, psychiatric disorders)

Jaakko Kaprio (behavioural genetics, twin cohort studies)

Aarno Palotie (neuropsychiatric disorders)

Matti Pirinen (statistical and population genetics)

Samuli Ripatti (statistical and translational genetics, cardiovascular disease and related risk factors)

Tiinamaija Tuomi (diabetes)

Elisabeth Widén (translational genetics, genetics of puberty)

Please see more information for international staff and/or about the university as an employer: <https://www.helsinki.fi/en/university/working-at-the-university>

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