



FIMMPOD Annual Call for Postdoctoral Researchers 2017

The Institute for Molecular Medicine Finland (FIMM) is an international research institute focusing on human genomics and personalized medicine at the Helsinki Institute of Life Science (HiLIFE) of the University of Helsinki. FIMM integrates molecular medicine research and technology and biobanking infrastructures under one roof, promoting translational research in grand challenge projects, specifically, the impact of genome information in personalized health and medicine, individualized cancer medicine, and novel imaging-based biomedicine.

FIMM is a member of the Nordic EMBL Partnership for Molecular Medicine, together with the Danish Research Institute for Translational Neuroscience (DANDRITE, www.dandrite.au.dk), Laboratory for Molecular Infection Medicine Sweden (MIMS, www.mims.umu.se), and Centre for Molecular Medicine Norway (NCMM, www.ncmm.uio.no). The Partnership is dedicated to excellence in molecular medicine and life science research that investigates the molecular basis of disease and explores molecular and genetic based treatments, with each institute bringing a unique set of expertise, skills, and facilities encompassing the recognized research strengths of the EMBL.

FIMM postdoctoral researchers benefit from the FIMMPOD professional developmental program, which aims to enhance research experiences and career opportunities, www.fimm.fi/en/training/fimmpod. As part of a joint Nordic EMBL Partnership call for Postdoctoral Researchers, FIMMPOD is now seeking outstanding international candidates for

Multiple Postdoctoral Researcher positions

Centre of Excellence in Complex Disease Genetics

The Centre of Excellence in Complex Disease Genetics (CoECDG), led by Samuli Ripatti, aims to develop and apply a powerful, reliable and general strategy for comprehensive identification of risk and protective variants that contribute significantly to common diseases such as coronary artery disease, diabetes, inflammatory bowel disease and neurological-psychiatric diseases, and to develop, test and implement strategies for genomic precision medicine. The CoECDG is searching for outstanding candidates with a strong data analytical track record and a particular interest in large-scale genetic analyses to work as postdocs in projects related to the CoE areas of interest.

Computational Systems Medicine

The Computational Systems Medicine group led by Tero Aittokallio focuses on developing and applying integrated computational-experimental models for the prediction of system-level phenotypic responses to genetic and chemical perturbations. The current research topics include 1) network pharmacology approaches for drug response modelling, 2) prediction of synthetic lethal interactions for anticancer treatment, and 3) identification of molecular markers predictive of medical outcomes. The Computational Systems Medicine group is seeking outstanding candidates for one postdoctoral researcher position to integrate single-cell genomic profiles with cancer sub-clonal drug response profiles, with the aim of proposing individualized, combinatorial treatment options based on response-predictive biomarkers.

Quantitative Systems Pharmacology

The Quantitative Systems Pharmacology group led by Jing Tang focuses on mathematical and statistical models to tackle biomedical questions that may potentially lead to breakthroughs in drug discovery. Research involves developing network pharmacology methods to predict, test and understand drug combinations for personalized medicine. The group is seeking outstanding candidates for one postdoctoral researcher position in statistical analyses and modelling of drug combination data.

Translational Research and Personalized Medicine

The Translational Research and Personalized Medicine group led by Caroline Heckman is currently seeking a highly motivated postdoctoral researcher to develop methods using molecular, functional and clinical data from hematology patients to help predict patient outcome, identify novel prognostic biomarkers, facilitate drug repositioning and drug development, and determine optimal combination treatment strategies. The project will be conducted as part of the Individualized Systems Medicine grand challenge program and the HARMONY alliance working with basic and clinical researchers, and in collaboration with academic and industrial partners.

How to apply

The application deadline is 27.10.2017 at 16.00 EEST. Please see the specific calls for applications at the FIMM Open Positions webpage for more information: <https://www.fimm.fi/en/open-positions>.