Scientific Programmer/Statistician, EMBL

Hinxton, UK

We are seeking to recruit an experienced Scientific Programmer/Statistician to join the Stegle team at the European Bioinformatics Institute (EMBL-EBI) located on the Wellcome Genome Campus near Cambridge in the UK.

You will lead the development of scientific software developed by the Stegle team. A focus of these efforts will be the continued development of LIMIX, a versatile statistical genetic modelling toolbox. This software package is currently used in a wide number of domains, including in application in quantitative genetics, cancer genomics and single-cell biology. These efforts are also a central component of the aims of the recently funded H2020 project “PanCanRisk” and will be interlinked with other activities in the group, including our involvement in the centre for therapeutic target validation (https://www.targetvalidation.org) and UK human pluripotent stem cell initiative (http://www.hipsci.org).

The specific goals and tasks of this post are:

- The development and implementation of advanced statistical genetics algorithms, in particular in the area of rare variant association tests and multiple phenotype association tests.
- The development of an efficient and flexible linear algebra backend within the software suite.
- The implementation of cloud-features in LIMIX and Docker environments to enable parallelized high-throughput analyses.
- The post holder will collaborate closely with the other team members in the group and will report to Oliver Stegle.

The EBI is part of the European Molecular Biology Laboratory (EMBL) and it is a world-leading bioinformatics centre providing biological data to the scientific community with expertise in data storage, analysis and representation. EMBL-EBI provides freely available data from life science experiments, performs basic research in computational biology and offers an extensive user training programme, supporting researchers in academic and industry.

Qualifications and Experience

You will have research experience similar to MSc/PhD with prior experience in the development of scientific software. Proficiency in R/python or related statistical compute environments is expected, as is competence in software design and programming skills in C++/python/R or similar programming languages. Excellent communication skills are essential to ensure effective communication with other team members and collaborators in other countries and institutions. Good leadership and coordination skills are also required.

Benefits

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation. We provide a dynamic, international working environment and have close ties with the University of Cambridge and the Wellcome Trust Sanger Institute.
EMBL-EBI staff also enjoy excellent sports facilities, a free shuttle bus to Cambridge and other nearby centres, an active sports and social club and an attractive working environment set in 55 acres of parkland.

**Application Instructions**

Please apply online through [www.embl.org/jobs](http://www.embl.org/jobs)

**Additional Information**

We welcome applications irrespective of gender and appointment will be based on merit alone. Applications are welcome from all nationalities – visa information will be discussed in more depth with applicants selected for interview.

[https://www.statsjobs.com/jobs/scientific-programmerstatistician-embl/](https://www.statsjobs.com/jobs/scientific-programmerstatistician-embl/)