Bioinformatician

Location: EBI - Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 5 or 6 depending on qualifications and experience
Closing Date: 13 October 2013
Reference number: EBI_00306

Job Description

We are seeking a skilled Bioinformatician to join the Ensembl Genomes team at the European Bioinformatics Institute (EMBL-EBI) located on the Wellcome Trust Genome Campus near Cambridge in the UK to work on the WormBase project.

Parasitic worms (helminths) are responsible for more than a billion human infections globally and have a devastating impact on livestock and agriculture. The EBI is a member of the WormBase consortium (www.wormbase.org), an international project to curate, store and display scientific data relating to the model helminth C.elegans and other worms. As international efforts to sequence the genomes of parasitic helminths accelerate, we are collaborating with the Parasite Genomics Group at the Wellcome Trust Sanger Institute on the provision of a new BBSRC-funded resource, WormBase-ParaSite, to analyse, store and present information on these genomes.

The primary duties of the post-holder will be to develop (i) a data warehouse to allow users to access, summarise and download relevant portions of the total data set, and (ii) to develop a new web portal for the project. Standard technologies, such as BioMart, the Ensembl Genome browser, and the Drupal content management system are in use within the team and are expected to be deployed towards these ends. Close collaboration with our project coordinators will be required to prepare the resource for launch. The post-holder will also participate in more general data analysis and integration projects for WormBase.

The WormBase team at EMBL-EBI operate as part of the Ensembl Genomes project (www.ensemblgenomes.org), and Ensembl software infrastructure underpins much of the data management and analyses strategy deployed by the team. (S)he will work closely with other members of the Ensembl Genomes teams and contribute to the development of general tools for invertebrate genomics.

At EMBL-EBI we provide a dynamic, international working environment and have close ties with both the University of Cambridge and the Wellcome Trust Sanger Institute. EMBL-EBI staff enjoy many benefits including excellent sports facilities, a free shuttle bus to various locations in Cambridge and the surrounding areas, an active sports and social club and attractive working environment.

Qualifications and Experience

Candidates should have a post-graduate qualification in bioinformatics or a related discipline, and have prior experience working in a scientific research environment. A solid working knowledge of a programming language (e.g. Perl) and relational databases is essential. Background knowledge of molecular biology and/or genomics is desirable and dealing with next-generation sequencing data would be an advantage.

Application Instructions

Please apply online through www.embl.org/jobs
Additional Information

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

We welcome applications from all nationalities. Visa information will be discussed in more depth with applicants selected for interview.