



The Tissue Morphogenesis Department and the Regulatory Genomics Laboratory at the Max Planck Institute for Molecular Biomedicine in Muenster, Germany are offering

Postdoctoral Research Fellow and PhD Student positions in Genomics and Vascular Biology

(position code 17-2018)

The laboratories, headed by Ralf Adams and Juanma Vaquerizas, seek to appoint highly motivated scientists to work on genomic characterisations of the molecular mechanisms regulating vessel-tissue interactions. The successful candidates will analyse genome-wide gene expression and chromatin binding datasets to investigate how gene expression is controlled to determine cellular fate during blood vessel formation and organ-specific specialization. The specific tasks will include:

- Analysis of cell- and tissue-specific RNA-seq, single cell RNA-seq and ATAC-seq datasets
- Analysis of protein-DNA interactions using ChIP-seq
- Integration of publicly available datasets relevant to the systems under study

Requirements

We are looking for an enthusiastic and talented Postdoctoral Fellow with a PhD degree in computational biology, bioinformatics, computer science, (bio)-statistics, mathematics, or related fields, and with a strong drive to excel in a highly international and collaborative environment. We are also looking for a talented and highly motivated PhD student. Previous experience in genome-wide data analysis (eg, RNA-seq or ChIP-seq) will be a significant advantage. Please make sure that you specify your level of proficiency in dealing with genomics data in your cover letter.

Terms of employment

The position is offered as a fixed-term appointment for two years with the possibility of further extension following a successful evaluation. The earliest starting date for the position is 1 Oct 2018. The salary is based on the standard German TVöD scale for civil servants and depends on experience.

How to apply

Applications should be sent as a **single pdf** file by email to career@mpi-muenster.mpg.de. These should include: (i) a cover letter explaining your motivation to join this project; (ii) a full CV; (iii) the position-code 17-2018; and, (iv) the contact details of two academic referees. **Incomplete applications will not be considered.** For informal queries about the project, please contact Ralf Adams (ralf.adams@mpi-muenster.mpg.de) or Juan M Vaquerizas (jmv@mpi-muenster.mpg.de).

About the MPI Muenster

The Max Planck Institute for Molecular Biomedicine offers a highly international and stimulating research environment with state-of-the-art equipment and core facilities for genomics, proteomics and cell biology. The Institute is located in Muenster (<http://www.muenster.de/en/>), one of the European Green Capitals and former UN's 'The World's Most Liveable City' awardee. Extra administrative help will be available for foreign scientists. English is the working language in the institute.

The Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply. The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals.

More details about the Adams Department, the Vaquerizas Lab and the institute can be found here:

<http://www.mpi-muenster.mpg.de/96841/adams>

<http://www.vaquerizaslab.org>;

<http://www.mpi-muenster.mpg.de/en>.