Bioinformatics scientist positions in single cell analysis and machine learning for developmental biology

Bioinformatics scientist positions at the postdoctoral level are available in the lab of Dr. Sabine Dietmann at Washington University School of Medicine in St. Louis, Missouri, USA. Our research program is dedicated to the development of multi-omics and machine learning approaches to the data sets generated in stem cell-based model systems for embryonic development and organoids. (https://informatics.wustl.edu/research-lab-sabine-dietmann). The candidate’s independent research will benefit from our lab’s extensive collaborative network in the Department of Developmental Biology and the Division of Nephrology at Washington University in St Louis and at international institutions. Projects are available in the following areas: (1) comparing developmental trajectories across species (2) machine learning models for cell fate decisions and gene regulatory networks (3) epitranscriptomics in single cells (https://profiles.wustl.edu/en/persons/sabine-dietmann).

We are seeking enthusiastic and talented candidates with high proficiency in scientific programming languages, such as R and Python/PERL. A good understanding of machine learning frameworks in Python (keras/Tensorflow), experience with creating packages in R or some experience with single cell data analysis and genomics would be very beneficial.

Applicants should have a Ph.D. or master’s degree in Biology, Computer Science, Bioinformatics, Physics or related field plus 2 years of demonstrated relevant research experience.

Consistently ranked among the top 10 US medical schools, Washington University School of Medicine offers a highly interactive and stimulating academic environment for scientists in training, a place where you can be an individual and achieve exceptional things. Washington University in St. Louis is an equal opportunity employer and committed to providing a comprehensive and competitive benefits package. Our lab is located in the Central West End of St. Louis, a vibrant neighborhood adjacent to major cultural institutions.

For further information please contact sdietmann@wustl.edu.

To apply for this position please submit a CV, a cover letter describing your research interests and contact information for two references no later than March 1 to sdietmann@wustl.edu.