Bioinformatics position in single cell data analysis and machine learning for developmental biology

A Bioinformatics position (postdoc or research assistant, depending on the level of experience) is available in the lab of Dr. Sabine Dietmann at Washington University School of Medicine in St. Louis, Missouri, USA. Our research is dedicated to the development of machine learning methods (CNNs/GraphCNNs) for single cell data sets from organoids and stem cell-based models for human development. The candidate’s research will benefit from a range of collaborative projects (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. A good understanding of machine learning frameworks in Python (Keras/Tensorflow), experience with creating R packages, github and web repositories, and some background in single cell data, epigenetics and gene-regulatory network analysis would be very beneficial. Come and join our fantastic team.

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 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 to sdietmann@wustl.edu. Review of applications will begin on April 30, and continue until the position is filled.