

Junior Bioinformatician / Software Engineer / Data Analyst

Position Summary

The Dries lab in the Sections of Hematology and Medical Oncology & Computational Biomedicine is looking for a bioinformatics software developer to join their research team. The Dries lab works on the development of computational pipelines and frameworks to bring advances in spatial multi-omics technologies to biomedical research.

The applicant's work will include maintaining our in-house developed Giotto platform (giottosuite.com), analysis of single-cell and spatial transcriptomic datasets, and identifying and implementing the best solutions for large data processing, visualization and spatial data analysis algorithms. We offer a unique inclusive environment and the opportunity to explore and work with new cutting edge tools to develop the skills aspiring scientists in software development and bioinformatics will need.

This role will involve working with bioinformaticians, wet-lab scientists, as well as with our collaborators in the clinic. They may also assist in preparing and writing presentation materials or manuscripts and other publication materials.

Essential Responsibilities

- Contribute to the development of the lab's software packages and documentation
- Analyze large bioinformatic datasets from a variety of sources
- Write scripts to streamline analysis
- Stay up to date with the latest developments in bioinformatics and software engineering
- Conduct deep and thorough reviews of subject literature
- Communicate and discuss progress in a timely manner

Education:

- B.A./B.S. or M.S. in a quantitative field
- Other backgrounds with demonstrable experience will also be considered

Knowledge and Skills

- Strong programming experience with R and/or Python
- Previous experience with R package development
- Notions of C++ and Javascript
- Interest applying computational analysis to biological questions
- Data visualization and graphical communication experience useful
- A proven ability to learn and apply new technical skills
- Image processing and analysis is considered a plus