

Computational Postdoctoral Fellow for Single Cell Research

Dr. Y. Ann Chen's group
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Moffitt Cancer Center
Tampa, FL
USA

Developing omics integration approaches and single cell computational tools for cancer research.

Position Highlights:

- This computational postdoctoral fellow will be responsible for developing novel statistical methods and/or computational tools for analyzing, visualizing, and interpreting single cell omics data.
- Opportunities to interact directly with bioinformaticians, and biostatisticians, translational, clinical researchers, to develop methods or tools for analyzing patient single cell data.

The Ideal Candidate:

- A highly motivated and independent researcher with a strong quantitative scientific background and programming skills.
- Research background/experiences in machine learning, and/or interactive tool development.
- Ability to learn new tools and knowledge is highly desirable.

Responsibilities:

- Will be responsible for developing novel analytics for analyzing, visualizing, and interpreting single cell omics data.
- Will help understand tumor-microenvironment changes, cancer patient treatment response, and for treatment prediction.

Credentials and Qualifications:

Required: PhD in Data Science, Bioinformatics, Biostatistics, Computer Science, or related fields.

Preferred:

- Strong programming skills in languages such as R, Matlab, Python, and JavaScript, etc.
- Experience in developing open-source software and/or interactive web-based tools.
- Solid quantitative background and experiences of developing novel algorithms or methods for analyzing time series data.
- Experience of integration of multi-omics data including whole exome sequencing, RNA-seq, metabolomics, proteomics, etc.
- Research background in machine learning or deep learning.
- Experience with cloud computing or cluster environments.
- Excellent communication and writing skills.

How to Apply: Interested applicants should send a single PDF file that includes a cover letter, current CV, and contact information for three references to Dr. Y. Ann Chen @ Ann.Chen@moffitt.org.