

Postdoctoral Fellow in Genomics and Computational Biology

The Icahn School of Medicine at Mount Sinai (ISMMS) is looking for a post-doctoral researcher to assess the role of noncoding RNAs in gene regulatory networks underlying neurodevelopmental disorders. The position involves integrating noncoding and coding RNA expression data with prior genetic knowledge, as well as quantifying noncoding RNA isoforms, co-expression and network-based analyses and modeling. The candidate will use the latest next-generation sequencing technologies to analyze transcriptomes and identify long full-length noncoding RNA isoform variants.

We seek a motivated postdoctoral candidate with strong computational and analytical skills and an interest in applying computational and systems biology approaches. The ideal candidate will have a Ph.D. in computational genomics, computational biology, bioinformatics or genomics with a strong background in RNA biology and excellent quantitative skills. The selected applicant will work within a multidisciplinary team and be part of a NIMH-funded PsychENCODE project. This position requires demonstrated experience with UNIX, Python, C/C++ and R, and expertise in statistical interpretation and analysis of RNA-Seq data.

Specific qualifications include:

- Experience in the following areas:
 - Mapping RNAs using short and long-read RNA sequencing data
 - Annotation and reconstruction of transcript isoforms
 - Co-expression and network-based/modeling
 - Familiarity with large-scale GWAS
- Programming (python, C/C++, or Java)
- Statistical analysis (R or Matlab)
- Ability to work independently and complete tasks efficiently
- Strong work ethic and attention to detail
- Excellent verbal and written communication skills
- Ability to work in a collaborative setting

ISMMS is an equal opportunity/affirmative action employer. We recognize the power and importance of a diverse employee population and strongly encourage applicants with various experiences and backgrounds.

To apply, please e-mail a CV, a brief description of research experience and interests, and contact information for 2-3 references to:

Dalila Pinto, PhD, Assistant Professor
dalila.pinto@mssm.edu
Division of Psychiatric Genomics
Mindich Child Health & Development Institute and
Icahn Institute for Genomics and Multiscale Biology
Icahn School of Medicine at Mount Sinai
12/04/15

Full Time Postdoctoral Position

A postdoctoral position in Machine Learning is available at the Icahn School of Medicine at Mount Sinai (ISMMS). The successful candidate will join ongoing efforts in the Precise MD program, an innovative initiative that leverages our computational pathology infrastructure to integrate machine vision and machine learning algorithms for diagnostic and prognostic assay development. Specifically, the candidate will be working on building prognosis models in prostate and breast cancer, based on the integration of clinical endpoints and quantitative biomarker characteristics derived by an advanced machine vision platform.

Successful candidates will have earned a doctoral degree or foreign equivalent in an interdisciplinary, data-driven field, with educational emphasis in machine learning /statistics/data science preferred; experience in image analysis is a plus. Special consideration will be given to candidates with experience in survival analysis. Additional qualifications include: a superior academic performance, proficiency in Matlab, R, Python etc and an ability to be self-directed with broadly-defined limits on assignments; excellent communication skills, both oral and written; and a demonstrated ability to interact efficiently with diverse people in a highly multidisciplinary environment. This is a full-time, two-year postdoctoral position. The postdoc may not have more than five years of postdoctoral experience including that from other institutions.

Review of applications will begin immediately with the position to be filled as soon as possible. We encourage applications from individuals of diverse backgrounds. Interested individuals should send a CV and the names of three references to Dr. Suarez-Farinas (mayte.suarezfarinas@mssm.edu) with a subject line "postdoc position".

<http://icahn.mssm.edu/research>

12/10/15

Postdoctoral Position - Mount Sinai School of Medicine (NYC)

Title: Postdoctoral fellowship in Hematopoietic / Erythroid Development

An **NIH-funded Postdoctoral Fellow** position is available at the Icahn School of Medicine at Mount Sinai (formerly the Mount Sinai School of Medicine) in New York City to participate in and extend ongoing work on the function of Wnt signaling in mammalian hematopoietic development, using the mouse as a model. Interested candidates must have a PhD or equivalent and should have a strong record of accomplishment and experience in at least one of the following:

1. mouse embryology and molecular genetics; and/or
2. cellular, developmental, or molecular biology; and/or
3. hematopoiesis

Experience with fluorescence microscopy and cell culture desirable but not essential.

Applicant must be highly motivated and fluent in English, collegial and able to work independently, with at least one recent first author publication in a reputed international journal. Salary support based on research experience and accomplishments.

Please send brief cover letter detailing your past research accomplishments and future research goals, current CV (with bibliography), and contact information for 3 references, by email to:

Professor Margaret H. Baron, MD, PhD

Email: margaret.baron@mssm.edu.

Applications will be accepted until a suitable candidate is identified.

02/25/16

Postdoctoral Fellow in Computational Systems Biology and Big Data Science

A full-time postdoctoral position is available in the [Ma'ayan Laboratory of Computational Systems Biology](#) and the [BD2K-LINCS Data Coordination and Integration Center](#) at the Icahn School of Medicine at Mount Sinai to develop tools and algorithms for the analysis of large scale biological data including genomics, proteomics and molecular and cellular imaging using advanced web development technologies, machine learning and other statistical approaches.

The Ma'ayan Laboratory conducts multi-disciplinary NIH funded research that utilizes Big Data analytics to develop better understanding about drug action in human cells, build molecular regulatory networks from high-content genome-wide data, and predict optimized therapeutics for individual patients across several complex diseases.

Candidates are required to have a recent PhD degree in one of the following: Biomedical Sciences, Bioinformatics, Computer Science, Mathematics, Statistics, Physics, Electrical or Systems Engineering and relevant experience with applications to biology and bioinformatics. Candidates should demonstrate strong programming skills with languages such as Python, Java, JavaScript, R and MATLAB.

To apply, please e-mail your CV, research statement, and the names and contact information of three references to:

Sherry Jenkins, MS, Program Manager
sherry.jenkins@mssm.edu
Department of Pharmacology and Systems Therapeutics
Icahn School of Medicine at Mount Sinai

04/07/16