



**Cedars-Sinai Medical Center – Director, Bioinformatics
Outstanding Faculty Scientist Opportunity**

We are seeking a Director, Bioinformatics, who will be a faculty scientist and will (i) conduct independent, extramurally funded research, (ii) establish collaborations that amplify the work of other researchers who would benefit from bioinformatics approaches, (iii) teach in the graduate bioinformatics program, and (iv) consult in data analysis and interpretation with collaborators at Cedars-Sinai Medical Center.

The successful candidate will be part of multidisciplinary scientific teams and will be a core member of the Samuel Oschin Comprehensive Cancer Institute, Biostatistics and Bioinformatics Research Center. The candidate will be responsible for designing and executing a wide range of computational and analytical tasks, including developing novel algorithms for the analysis of -omic data, coupling pharmacologic response to genetic and clinical background, and integrating publicly or commercially available data with novel experimental data. Responsibilities will also include assessing and meeting project scope, and designing schedules and budgets for sponsored research grants.

The ideal candidate will have interdisciplinary training in human biology and bioinformatics/computational biology, particularly in the analysis and interpretation of microarray and/or proteomics data, statistical routines, reconstruction of signaling networks, computational network inference from experimental expression data, and the integration of public data sources/biological ontology to facilitate systems biology research. Working knowledge of modern biomedical research technologies and excellent communication skills are required.

Specific Responsibilities:

- Manage, mentor and provide vision in bioinformatics and statistics.
- Collaborate and assist with biomarker discovery and validation efforts.
- Facilitate migration of diagnostic, prognostic and predictive projects from discovery to development and manufacturing as approved commercial products.
- Prepare study designs and/or research plans for collaborative and/or independent diagnostic and hypothesis testing projects.
- Review manuscripts and reports and ensure that activities performed are conducted appropriately using correct methods and software.
- Communicate clearly and authoritatively with researchers in the area of molecular diagnostics.

Position Requirements & Experience:

- PhD in Bioinformatics, Physics, Mathematics, Statistics, Computer Science or comparable technical and quantitative field.
- Minimum of (5) years in medical/biotechnology industry and/or post-doctoral experience.
- Demonstrated accomplishments through publications in peer-reviewed journals.
- Experience in statistical analysis of data from high throughput genomic technologies such as mRNA expression, miRNA expression, CGH, deep sequencing and/or Taqman arrays strongly preferred.
- Faculty rank commensurate with experience.

Cedars-Sinai Health System is among the nation's leading providers of healthcare services, medical education and medical research, with total annual revenues of \$3.3 billion, and is one of the largest non-profit academic medical centers in the U.S. In addition to a large research enterprise, comprising more than 1,500 research projects and a robust technology transfer portfolio, as well as highly sought-after training programs, including more than 400 medical residents and fellows, Cedars-Sinai is widely known for its national leadership in transforming healthcare for the benefit of patients. Cedars-Sinai is a teaching hospital for a variety of regional training programs including the Cedars-Sinai MS and PhD programs, and UCLA.

Qualified applicants can send a cover letter, CV and description of proposed research to: academic.recruiting@cshs.org