DIRECTOR OF BIOSTATISTICS & BIOINFORMATICS CORE

UNIVERSITY OF CALIFORNIA – SAN FRANCISCO

The Gladstone Institutes is an independent, not-for-profit research organization affiliated with the University of California San Francisco (UCSF), contributing to the health and well-being of all people through medical research, education, and outreach in the areas of heart disease, HIV/AIDS, and neurological disease. Gladstone’s approximately 450 employees receive exceptional benefits. We are located in an award winning building adjacent to UCSF’s Mission Bay Campus.

We are seeking a Director for the Bioinformatics Core at Gladstone. The Bioinformatics Core is dedicated to providing outstanding professional services to our researchers in need of consulting, statistical analysis support, software development, and analysis of a wide range of ‘omics data types. The Bioinformatics Core Director is expected to lead our professional services team, following best practices for consulting that includes understanding and fitting solutions to needs, estimating efforts and skills, contributing high value to proposals and creating high quality deliverables for project reports and publications. The Director may apply to join UCSF as a faculty member in the adjunct series.

Gladstone recently launched an initiative to establish a “Convergence Zone”, which will be a vibrant group of labs and core facilities focused on emerging and highly innovative technologies for biomedical research (e.g., new approaches in imaging, single-cell analysis, nanotechnology, mass spectrometry, genome editing). Bioinformatics and biostatistics will play a central role in this team, including developing computational tools for analyzing and integrating the novel data types from Convergence Zone platforms. The Director will play a key role in ensuring that we have the technical expertise and collaborative culture for this effort to be successful.

Responsibilities

- Mentor and supervise the Bioinformatics Core team, which:

  o Provides services to investigators across Gladstone and UCSF, including pre-experiment consulting, analysis, and visualization of results.
  o Provides workshops in bioinformatics and statistical analysis.
  o Develops pipelines for large-scale ‘omics data analysis.
  o Assesses, tests, and implements best practices for ‘omics data analysis.
  o Conducts statistical analysis of a variety of data types including longitudinal, hierarchical, and survival data.
  o Develops tools to integrate commonly used open source bioinformatics software applications.

- Develop long-term vision for the Bioinformatics Core and work with Gladstone Investigators to prioritize core services to best meet user needs.
• Refine the funding model for expansion and sustainability of the core, including investments from research institutes within Gladstone, charge-back models, and collaborative grant applications.

• Develop staffing plans and oversee recruitments as needed.

• Work effectively with multiple stakeholders and collaborators, including experimental and computational faculty and researchers, as well as the Scientific Computing group within IT.

• Lead and collaborate on grant applications related to Bioinformatics Core projects.

**Required Education and Experience**

• PhD in statistics, computational biology, computer science, or related field.

• Previous experience with statistical analysis of biological data.

• Extensive experience with high-throughput sequence analysis, such as RNA-seq, ChIP-seq, and/or whole genome/exome variant analysis.

• Fluency in a scripting language (e.g., perl, python) and the R programming language.

• High performance computing experience in a Unix/Linux environment.

• Practical experience with web-based analytical platforms and cloud computing resources.

• Minimum of 3 years of experience supervising staff at PhD and/or MS level.

• Experience with budgeting and financial administration of grants.

• Strong record of publications and success obtaining extramural funding.