Genomics Scientist

The Genomics Scientist is responsible for the management and execution of sequencing based projects as well as development, testing, validation and implementation of new genomic technologies and protocols. Strong background & technical skills in molecular biology and sequencing technology improvement and optimization are required. Under the leadership of the senior genomics management, with limited supervision, the incumbent will be responsible for direct execution of experiments, assessment of QC for research/or service projects, and troubleshooting technical problems. The incumbent will also be responsible for the design, organization, and implementation of a multitude of sequencing-based molecular biology experiments in the areas of biomedical, clinical, and biotechnology research at JAX. They will ensure that sample preparation and sequencing production is maximized and will drive new technology development, process optimization, and pipeline and protocol development. A demonstrated team player with independent decision making in regard to technical and project management issues is required.

Key Responsibilities:

- Development, testing, validation, and implementation of new genomic technologies and methodologies, improvement and optimization of protocols, including development and optimization of protocols for HTS library preparations.
- Engage in sample/sequencing QC analysis and, when necessary, provide input and suggestions for additional features and improvements on the protocols and data analysis.
- Initiate scientific projects by applying new technologies and analysis capabilities to showcase their robustness and discovery power.
- Publish in peer review journals; contribute to scientific research papers, grant applications and reports.

Requirements:

- Ph.D. in Genetics, Biochemistry, Molecular Biology, and extensive experience in different aspects of genomics, including an excellent understanding of sequence data and its applications.
- 2+ years experience working in a customer facing role with a focus on genomics.
- Demonstrated knowledge and experience in sequencing based molecular approaches and sequencing based interrogation.
- 2+ years experience in protocol development and optimization procedures.
- Effective problem-solving and decision-making skills.
- Strong analytical, organizational, and record-keeping skills.
- Excellent verbal and written communication skills, including public-speaking and presentation skills.
Demonstrated team player with the ability to work independently as well as part of a diverse team.

Ability to organize, manage and monitor multiple initiatives to successful completion, adapting to shifting priorities in a high-pressure environment.

Experience in validation and documentation of new and complex molecular biology methods, and in HTS library preparation, operation and downstream data QC.

Strong publication record, and extensive experience in the preparation and handling of scientific manuscripts and reports.

Prior LIMS (Laboratory Informatics Management System) experience is preferred.

A cover letter outlining general interests and career goals as well as three letters of recommendaiton should be submitted with CV/resume to consider application complete.

About us:
The Jackson Laboratory (JAX, [www.jax.org](http://www.jax.org)) is a nonprofit biomedical research institute with over 2,000 employees whose mission is to discover precise genomic solutions for human disease and empower the global biomedical community in the shared quest to improve human health. A National Cancer Institute-designated Cancer Center, JAX has a mammalian genetics headquarters in Bar Harbor, Maine, a facility in Sacramento, California, and a genomic medicine facility, The Jackson Laboratory for Genomic Medicine (JAX-GM), in Farmington, Connecticut.

The Jackson Laboratory's 43-acre scenic Bar Harbor campus is nestled between the Gulf of Maine and the mountains of Acadia National Park. Some of the best hiking and biking in the world (over 50 square miles of mountains, lakes, views, and dramatic coastline) is accessible from our campus. We are one mile from downtown Bar Harbor, which offers a vibrant downtown district with a plethora of restaurants, shops, museums, and galleries.

JAX employees work in a collaborative, value-driven, and team-based environment where the focus is on advancing science and improving patients’ lives. Researchers apply genetics to increase the understanding of human disease and advance treatments and cures for cancer, neurological and immune disorders, diabetes, aging, and heart disease. JAX was voted among the top 15 “Best Places to Work in Academia” in the United States in a poll conducted by The Scientist magazine!

Our Values:
INTEGRITY - Courage and commitment to do what is right
PEOPLE - Inspiring our people to enhance the health of all
ONE TEAM - Unified by our promise to transform medicine and science
EXCELLENCE - Achieving world-class results
INNOVATION - Leading with discovery and creative solutions
STEWARDSHIP - Caring for and enhancing the resources entrusted to us
What do we have to offer?

JAX offers a dynamic and supportive work environment, competitive salaries, and a comprehensive benefits package, including a medical plan, outstanding retirement plan, generous paid time off, and tuition reimbursement including an MBA program. Our campus offers a fitness center with an award-winning wellness program, an onsite full service cafeteria, and a fully operational primary care facility available to employees and their families.

Most importantly, every position contributes to JAX’s mission of discovering precise genomic solutions for human disease and empowering the global biomedical community in our shared quest to improve human health.

The Jackson Laboratory provides equal employment opportunities to all employees and applicants for employment in all job classifications without regard to race, color, religion, age, mental disability, physical disability, medical condition, gender, sexual orientation, genetic information, ancestry, marital status, national origin, veteran status, and other classifications protected by applicable state and local non-discrimination laws.

Learn more about career opportunities at JAX: [http://www.jax.org/careers](http://www.jax.org/careers).