Req ID **5452BR**

Title **Research Scientist - Bioinformatics**

City **Indianapolis**

State / Province **Indiana**

Position Locale **Local / Onsite**

Company Overview

Lilly is the 10th largest pharmaceutical company in the world, and has been creating medicines that help improve peoples' quality of life for more than 135 years. Across the globe, we are a leader in investing in research and development and we also invest in our employees – in competitive salaries, training and development, and health.

The pharmaceutical industry is a complex, rapidly changing environment and we are looking for highly capable leaders to help us continue bringing innovation to patients.

If you are interested in being considered for employment at Lilly, we encourage you to review the following opportunity:

Responsibilities

Eli Lilly and Company is seeking an experienced Bioinformatics Scientist to join the Bioinformatics team within the Tailored Therapeutics (TTx) department to conduct analyses of clinical and pre-clinical data related to Endocrine disorders. The bioinformatics team operates in a dynamic and cross functional environment. The overarching goal of the group is to deliver biologically or clinically testable hypotheses based on systematic analyses of clinical and pre-clinical data. This entails leveraging new technologies to understand disease biology for the discovery of new targets and biomarkers. The selected candidate will be expected to work closely with discovery scientists, clinical researchers, geneticists and statisticians to enable drug and biomarker discovery and development related research.

Key Responsibilities

- Interface and collaborate with project teams in Tailored Therapeutics and Drug Discovery groups working in Diabetes and Cardiovascular diseases.
- Participate in projects related to in silico biomarker discovery, target discovery and validation, or mechanisms of action of drugs candidates

- Provide integrative analysis of large-scale datasets generated from high throughput platforms interrogating disease genetics, lipidomics, metabolomics and genomics, from both preclinical and clinical studies.
- Apply computational methodologies to infer pathway activities in diseases and their relationships to therapeutic interventions.
- Collaborate with other bioinformatics scientists around data analysis methods and work with application development group to meet data access needs.

Basic Qualifications

- PhD degree in Bioinformatics, Molecular Biology or Computational / Statistical Sciences
- 4 or more years of applied research experience in the Endocrine disease area.
- Strong publication record (peer reviewed journals) Hands-on experience analyzing data generated using one or more of the following:

1. Expression and genotyping microarrays
2. Lipidomics and/or metabolomics platforms with emphasis on pathway level data analysis
3. Next generation sequencing platforms

Additional Skills/Preferences

- Ability to apply computational systems biology or integrative analysis approaches to facilitate the interpretation of and hypothesis generation from results of genetics, genomics and epigenetics studies. (Preferably in a cross functional setting involving endocrine or cardiovascular research.)
- Familiarity with publicly and commercially available bioinformatics pathway/network analysis tools, genomics and genetics databases. Good bioinformatics programming skills in Perl, Python, C/C++ and high degree of familiarity with R/Bioconductor.
- Project experience in supporting biomarker discovery, target discovery and validation, mechanisms of action of drug candidates and correlating genomic/genetics data with clinical and biochemical phenotypes would be preferred.
- Prior experience in a pharmaceutical setting is desirable but not required.

Additional Information

ELI LILLY AND COMPANY IS AN EQUAL OPPORTUNITY EMPLOYER

Apply online at:

https://sjobs.brassring.com/tgwebhost/jobdetails.aspx?PartnerId=25428&SiteId=5645&Areq=5452BR&Codes=IMB

Please send your resumes to: klara.feltl@lillyrecruiting.com