

Bioinformatics Staff Scientist

Codexis seeks highly motivated Scientist to join the Research and Development department.

Codexis serves major worldwide markets where clean technology can make a positive economic and environmental impact. Our focus is on the cost-effective conversion of renewable resources into transportation fuels and pharmaceuticals, and on the development of new technologies for effective air and water treatment and chemical manufacturing. For more information, visit www.codexis.com.

Codexis is seeking candidates for the position of Scientist. The selected candidate will work as part of a team to develop information systems to support the development of biobased solutions for the low carbon economy.

Responsibilities:

- Develop & maintain bioinformatics software to support the generation and analysis of a wide variety of experimental data.
- Proactively identify and develop software tools for the probabilistic/statistical design & analysis of experiments.
- Work closely with lab scientists and fellow group members to identify, develop and maintain informatics tools & workflows.
- Provide support to all levels of the scientific staff.
- Train users on new and existing software tools.

Requirements/Qualifications:

- PhD in Bioinformatics, Statistics, Computer Science, Engineering or related discipline and 1+ years of relevant experience in software engineering and statistical analysis.
- Knowledge of one or more programming languages such as Java, Perl, Python, C++ and one or more relational database management systems.
- Knowledge of classical and modern statistical techniques (Bayesian) and familiarity with statistical computing tools such as R and MATLAB.
- Strong knowledge of modern software engineering development best practices and object oriented design.
- Expertise in user interface design.
- Familiarity with bioinformatics tool development and biological data and systems analysis.
- Conversant with molecular biologists, analytical biochemists, and metabolic/cellular engineers and familiarity of the science behind these disciplines.

- Familiarity with bioinformatics tools such as sequence similarity, assembly, and alignment tools.
- Ability to use advanced software tools in an innovative fashion to address systems, data analysis and data presentation problems.
- Knowledge of methods for storing, analyzing, and presenting large data sets, especially those related to transcriptomics, proteomics, and metabolomics.
- Ability to work independently and with other members of the scientific and engineering staff to gather requirements and implement systems.
- Ability to develop and implement algorithms for data analysis.
- Ability to operate in UNIX/Linux & Windows environments.
- Ability to communicate foreign and/or complicated concepts to non-experts and management as well as influence team members and decision makers to adopt novel approaches to data generation and analysis.
- High degree of intellectual curiosity and desire to immerse oneself in new and cutting edge science/technology.
- Excellent oral and written communication, presentation and interpersonal skills.

The position comes with a competitive compensation and benefits package, including stock options. For more information about our plans for the future, and to be considered for this career opportunity, please visit www.codexis.com.

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