PURDUE UNIVERSITY
Discovery Park

Bioinformatics Core

PURDUE
UNIVERSITY
Agricultural Research
and Graduate Education

Postdoctoral Researcher - Bioinformatics Core - Purdue University, West Lafayette, IN

Description

The Bioinformatics Core at Purdue University supports biological research efforts across the university. As a core facility providing bioinformatics services to our research community, we have developed expertise to analyze and manage various types of biological data.

We are looking for highly motivated individuals interested in interacting with multi-disciplinary groups and contributing to the development of new tools, techniques and workflows, to support research efforts in model and non-model organisms. Individuals will be expected to perform routine and project specific data analysis including, but not limited to, *de novo* assembly, gene prediction and annotation, RNA-Seq, ChIP-Seq, metagenomics analyses, SNP prediction and identification, using various software packages.

Individuals will have opportunities to engage in multi-omics data integration and to participate in manuscript preparation for co-authorship.

Qualifications

Required:
• Ph.D degree in Bioinformatics, Computational Biology, Molecular Biology or related fields.
• Experience in handling large and complex data sets with particular emphasis on Next Generation Sequencing; associated bioinformatics analyses.
• Proficiency in UNIX/LINUX, writing scripts and pipelines using Perl, Python and 'R' or equivalent languages.
• Demonstrated ability to acquire new skills and proficiencies in bioinformatics.
• Strong written and oral communication skills to effectively provide information to users of the Bioinformatics Core.
• Excellent time management and organizational skills and ability to work independently and as part of a multi-disciplinary team.

Preferred:
• A strong biological science background, and experience with non-model organisms.

Based on the performance, this position could lead to a regular staff bioinformatician position.

Applications will be accepted till the position is filled. Apply by sending a CV, cover letter and contact information for three references to bioinformatics@purdue.edu

For additional information or questions, please contact Jyothi Thimmapuram by email jyothit@purdue.edu

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