ALWAYS QUESTIONING THE STATUS QUO? | AT BAYER YOU'RE EXPECTED TO.

Bayer is a global enterprise with core competencies in the fields of health care, agriculture and high-tech polymer materials. As an innovation company, it sets trends in research-intensive areas. Bayer's products and services are designed to benefit people and improve their quality of life. Bayer CropScience (BCS), an Equal Opportunity Employer, is a subgroup of Bayer AG. It is one of the world's leading innovative crop science companies in the areas of crop protection, non-agricultural pest control, seeds and traits. At Bayer you have the opportunity to be part of a culture where we value the passion of our employees to innovate and give them the power to change.

Bioinformatics Scientist II

YOUR TASKS AND RESPONSIBILITIES
• To offer statistical, scientific and computational support to multiple functional groups within Biologics and provide transcriptomics, comparative genomics, and potentially other omics solutions for controlling pests and diseases in plant and promoting plant health using microbes;
• Proactively identifying and incorporating new algorithms and technology to automate the analysis of microbial genomes and plantmicrobe interactions;
• Managing next-generation sequencing (NGS) data and NGS analyses using custom scripts and open source tools;
• Working with other bioinformatics team members to understand their roles and to serve as backups as needed;
• To analyze NGS data including performing comparative genomics, transcriptomics, metagenomics analyses for controlling pests and diseases in plant and promoting plant health using microbes.
• Generate custom scripts to handle NGS data analysis in Python or Perl and work on a high performance cluster;
• To conduct statistical analysis that integrates genomic analyses with phenotypic data, as well as provide statistical support to different functional groups;
• Communicating effectively through listening, documentations and presentations, especially using compelling visualization tools to share analysis and interpretation of data;
• Proactively identifying and incorporating new algorithms and technology to automate the analysis of microbial genomes and to extend the features of existing analysis pipeline;
• Managing next-generation sequencing data and analysis
• Training research staff on the use of relevant bioinformatics software and tools;

Country
United States

Locations
CA-West Sacramento, CA

Division
Bayer CropScience

Contact us
Phone +1 877 229-3727
www.career.bayer.us

Reference Code
0000110543

Bayer is an Equal Opportunity Employer
Minorities / Females / Protected Veterans / Disabled

Passion to innovate | Power to change

Science For A Better Life

• Working with other non-bioinformatics team members in the
Informatics group to understand their roles and to serve as a back-up if needed.

WHO YOU ARE
The candidate is required to possess the following:

• M.S. and 5+ years of experience, or a Ph.D. in Genomics, Microbiology, Computational
Biology, Bioinformatics or Ecology and Evolutionary Genetics, with 3+ years of postgraduate
experience
• Ability to handle a large data set efficiently using scripts,
particularly in the analysis of NGS data;
• Genome assembly of microbial genomes;
• In-depth familiarity with various public genomic databases;
• Familiar with commercial and open-source bioinformatics tools;
• Experiences working in the biotech sector focusing on plant
health and crop protection;
• Knowledge of statistical software tools and packages;
• Fluent in Python, Perl or other scripting languages;
• Familiar with SQL and some knowledge of using relational
databases such as PostgreSQL;
• In-depth knowledge of secondary metabolite production in
microbes;
• Previous laboratory experiences;
• Knowledge of bacterial and plant genetics;
• Working with high performance computing clusters.

YOUR APPLICATION
Bayer offers a wide variety of competitive compensation and benefits programs.
If you meet the requirements of this unique opportunity, and you have the "Passion to
Innovate" and the "Power to Change", we encourage you to apply now.
To all recruitment agencies: Bayer does not accept unsolicited third party resumes.

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