

**JOB DESCRIPTION**

<b>Title:</b>	<b>Data Scientist</b>	<b>Department:</b>	
<b>Reports to:</b>	<b>Associate Director</b>	<b>Date:</b>	<b>9/3/20</b>
<b>Position ID#:</b>		<b>Status:</b>	<b>Full Time / Exempt</b>

***POSITION SUMMARY***

GreenVenus, LLC is focused on accelerating innovation in agriculture with proprietary products and platforms enabling sustainable food production for a growing population. With next generation plant propagation, speed breeding, and technologies for hybridization of crops, GreenVenus seeks to improve the quality of food for consumers and benefits for growers.

We are seeking a highly motivated and results-oriented data scientist to join our R&D organization. The individual will be responsible for building and/or enhancing information workflows and analytics that support lab production pipelines for plant propagation, breeding, and gene editing. In addition, the successful candidate will demonstrate experience in developing and implementing bioinformatics approaches to enable innovative gene discovery and characterization of gene edits. The role will inform product advancement decisions of GreenVenus products from research through product development phases. The successful candidate will work in a team environment and interact with experts in molecular biology, cell biology, and plant breeding. S/he will also have a unique opportunity to work with cross-functional teams as GreenVenus products progress through the R&D pipeline.

***ESSENTIAL DUTIES AND RESPONSIBILITIES***

- Develop workflows, data pipelines, and analytics to support production platforms for plant propagation, breeding, and gene editing
- Recommend new systems and processes to improve operations
- Improve user access to bioinformatics software and databases
- Compile and manipulate publicly accessible, commercial, or proprietary datasets such as genomic sequence data, genotyping/SNP data and gene expression data for applied plant research purposes
- Prepare data packages, reports, and presentations to communicate with stakeholders at various levels
- Perform other duties as assigned by supervisor

***EDUCATION***

- MS or Ph.D. plus 2 years of relevant industry experience in Bioinformatics, Data Science, Genomics, or other related fields

***DESIRED KEY COMPETENCIES***

- Demonstrated experience in developing bioinformatics tools/pipelines and data analysis strategies is required.
- Experience working with data analytics software (e.g., Spotfire, Tableau) required.
- Familiarity with common computer languages (e.g. python, pearl, R) and working knowledge of relational databases and SQL practice is required.
- Experience working with sequence analysis software (e.g. Geneious, VectorNTI) is required.
- Experience analyzing large genomic datasets and/or other ‘omics’ datasets is preferred.
- Demonstrated experience in forward genetics approaches for trait discovery (e.g. genetic mapping, QTL analysis, GWAS) is preferred.

- Solid organizational and time management skills to ensure successful and timely documentation and completion of projects.
- Excellent verbal and written communication skills and the ability to work in a team environment to achieve project goals.

#### **WORK ENVIRONMENT**

- **Frequent:** Speaking; hearing; sitting; use of hands/fingers; handling or feeling objects, tools or controls; close vision; ability to adjust focus
- **Occasional:** Standing; walking indoors; reaching with hands and arms; stooping; kneeling; crouching; lifting and/or move up to 10 lbs
- **General:** Moderate noise level, similar to typical office environment with computers, printers and light traffic

**Work Authorization:** U.S. Work Authorization

**Start Date:** ASAP

**Position:** Full time

**Compensation:** Salary based on experience with a competitive benefits package.

**Location:** Davis, California, USA

**Appl. Instructions:** Please send resume (and brief cover letter).

Apply via Email to [hr@greenvenus.com](mailto:hr@greenvenus.com) with “Data Scientist” in the subject line.

*GreenVenus, LLC is an Equal Opportunity Employer. The Company considers all applicants for all positions without regard to race, creed, color, national origin, ethnic origin, sex, age, religion, disability, marital status, sexual orientation, citizenship status, or military service.*

*GreenVenus, LLC offers competitive compensation, benefits, and opportunities for advancement.*