



**2014 PRESIDENTIAL  
GREEN CHEMISTRY  
AWARD WINNER**

## **Career Opportunity with Amyris in Emeryville, CA**

### **Scientist, Automated Strain Engineering**

Amyris is seeking a Scientist to support the engineering of microbes to deliver sustainable solutions for a growing world. The Scientist will be joining the team responsible for running and improving the world's most advanced high-throughput automated strain engineering platform. The Scientist will be responsible for developing and deploying new technology to continue to improve the automated strain engineering platform.

#### **Responsibilities:**

- Developing the next generation of automated strain engineering tools
- Optimizing prototype strain engineering technologies for deployment on advanced robotic systems
- Tracking and improving the operational effectiveness of newly deployed technologies
- Operating multiple automation platforms and following molecular biology protocols to engineer yeast and bacteria
- Managing and coordinating complex experimental schedules within a broader team
- Maintaining, analyzing, and reporting on data relating to developmental and operational processes
- Identifying opportunities to continue to improve quality and efficiency within existing pipeline operations
- Maintaining safe practices and work environment

#### **Requirements:**

We favor candidates with formal technical training (Ph.D. or equivalent experience) in biology, molecular biology, biochemistry, chemistry, chemical engineering or related field. We prefer candidates with a history of successfully developing technologies in the field of molecular biology. Previous experience in the field of microbial genome engineering and/or synthetic biology is a plus. We prefer Scientists with experience in some or all of the following areas:

- Familiarity with automation systems including **Tecan, Biomek, or Agilent** systems
- Familiarity with molecular biology techniques including familiarity with PCR, restriction digest analysis, plasmid construction, DNA sequence analysis, and microbial transformation (bacteria, yeast)
- Familiarity with concepts in statistics, tools to analyze data (Excel, Minitab, R, Spotfire) and manufacturing principles such as 5S and lean
- Experience writing, optimizing, and following complicated protocols and SOPs
- Capability to manage multiple independent processes and experiments within a single day including scheduling instrumentation and preparing reagents and materials.
- Working in cross-disciplinary, collaborative teams

Amyris, a leader in industrial synthetic biology, uses its innovative bioscience solutions to achieve renewable products by converting plant sugars into hydrocarbon molecules. Amyris' molecules are used in wide range of specialty & performance chemicals, flavors & fragrances and in applications ranging from cosmetics to biofuels. Learn more at [www.amyris.com](http://www.amyris.com).

As a VEVRAA Federal Contractor, Amyris is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. Amyris complies with applicable state and local laws governing nondiscrimination in employment.

For a full list of our current openings, please visit our website <http://www.amyris.com> .

OK to forward a resume but please apply online first:

<https://amyris.csod.com/ats/careersite/search.aspx?site=8&c=amyris>

For questions, contact:

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