



**2014 PRESIDENTIAL  
GREEN CHEMISTRY  
AWARD WINNER**

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

### **Scientist, Analytical Chemistry**

Amyris seeks an enthusiastic, team oriented, problem solver to join our Chemical Analytics group. The scientist leads projects to explore, evaluate and implement new measurement technologies to support R&D and Manufacturing. Current focus area is spectroscopic assays, particularly Near-IR. Specific activities include selecting new technologies, designing and carrying out proof of concept studies, developing and testing final methods, and transferring the methods to partner groups for routine implementation. A key component of these activities is translating project goals into analytical methodologies. The scientist represents data from assay development and qualification to internal and external customers and prepares technical reports. This position will report to the Director of Chemical Analytics.

#### **Responsibilities:**

- Develop analytical methods to measure components in fermentation broth and purification streams in areas such as flavors & fragrances, fuels, and new chemicals
- Develop novel approaches to rapidly generate robust NIR calibration models for a broad range of fermentation molecules
- Scope and refine method requirements through close collaboration with all stakeholders using statistical, data-driven approach
- Prepare SOPs to document developed methods
- Quantitatively evaluate method performance against agreed upon requirements; document performance in method development and program reports
- Present and discuss results with stakeholders in formal and informal meetings; represent the capabilities, experimental approach, and impact of the results
- Proactively identify and implement new ways of working and new technologies to increase efficiency, throughput, data quality, and to generate new relevant data types
- Balance multiple program priorities and ensure deadlines are met
- Interface with multiple stakeholders to support and enable internal and external method transfer
- Build relationships with customers and stakeholders

#### **Qualifications:**

- PhD degree in analytical chemistry or related discipline with 5+ yrs experience, or M.S. degree in analytical chemistry with demonstrated scientific creativity and contribution. At least 3 yrs experience working in an industrial setting

- Record of analytical capabilities in spectroscopic assay development and evaluation. Experience with in-situ analysis (i.e. via in-line or at-line probe/sensor) of complex or heterogenous sample matrices. Experience with at least one other analytical platform (LC, GC, MS, titration) is desired
- Expertise in multivariate data analysis of spectroscopic data applied to biological processes such as fermentations. Ability to manage and manipulate large data sets to draw conclusions. Experience with DOE, Minitab, or similar statistical tools
- Excellent written and verbal communication skills, including the ability to write clear, concise reports and to present data to customers tailored to facilitate their understanding
- Demonstrated ability in time-management and prioritization. Track record of project completion and on-time delivery
- Energetic, highly self-motivated and able to work efficiently and productively to support rapid research efforts in the commodity and fine chemical industries
- Demonstrated ability to establish and maintain stakeholder relationships
- Demonstrated ability to work as part of a team
- Committed to working safely
- Embrace Amyris Core Values

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, visit our website <http://www.amyris.com> . Please look for our job posting in the careers section and apply online.

For questions, contact:

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