**AGROSCIENCE RESEARCH ASSISTANT**

**Company Description:** Heliae® is a platform technology company that uses sunlight to produce high-value products from algae. Based in Gilbert, AZ, Heliae is leveraging its core production technology into four target markets: nutrition, therapeutics, health & beauty and agro sciences. With a seasoned management team and world-class science, Heliae is advancing the future of the algae industry by delivering novel algae-based products to dynamic markets around the world.

**Website:** [www.heliae.com](http://www.heliae.com)

**Contact:** To apply please contact [lcarney@heliae.com](mailto:lcarney@heliae.com)

**Title:** Research Assistant

**Department:** Research & Development

**Updated:** 08/14/15

**Basic Function:** The AgroScience Research Assistant will plan and conduct plant-based trials at Heliae’s greenhouse facility, as well as take part in daily operations of hydroponics and outdoor turf facilities. Experiments will be aimed at developing and optimizing agro-science products derived from Heliae algal strains. Responsibilities will include conducting independent research, data analysis and presentation of experimental results. The Research Assistant will work directly with the Program Lead, the Lead Agroscience Technician and other technicians to ensure smooth operations of all Ag Science facilities where experiments are performed. The Ag team experiments involve working with vascular plants and other safe organic materials. The associate will comply with all Heliae laboratory safety and quality standards.

**Reports to:** Ag Science Program Lead

**Primary Responsibilities and Duties include but are not limited to:**

**Daily Duties**

* Ensure proper set up and maintenance of on-site greenhouse
* Play a key role in designing, conducting and analyzing greenhouse experiments with various crop targets
* Coordinate experimental timelines with Lead Technician and Program Lead
* Assist with design, set-up and operation of experiments in both turf and hydroponic platforms.
* Participate in the overall planning of Heliae’s Agroscience work, and coordinating such work with Program Lead, Agronomist and Lead Tech.
* Regularly present experimental outcomes to Ag Science Team and more general Heliae groups.
* Ensure that experimental data is collected, graphed and analyzed properly in Excel.
* Perform wet chemistry techniques as needed.
* Adhere to good documentation practices while using laboratory logbooks and electronic logs
* Maintain and update chemical inventory and inventory of Safety Data Sheets.
* Perform routine maintenance and calibration of instruments and equipment to ensure quality data.
* Maintain a clean “24-hour Audit Ready” work space at all times.
* Comply with all job specific Standard Operating Procedures if applicable.

**May perform other duties as needed or directed by the Direct Supervisor.**

**Qualifications:**

* MS degree in related Plant Biology field or equivalent research experience preferred
* Ability to work independently as well as in a collaborative environment with minimal supervision
* Experience with Microsoft Office and statistical software

**Required Attributes:**

* Demonstrated experience with experimental design and statistical analysis
* Ability to trouble-shoot vascular plant issues i.e., disease, toxicities and deficiencies
* Excellent attention to detail and ability to follow directions
* Excellent communication and data presentation skills
* Motivated team member
* Ability to work in a dynamic fast-paced environment
* Relentless Pursuit
* Dedication to completing tasks and adhering to a schedule

**Physical Requirements:**

* The ability to work 40 or more hours per week at Heliae’s headquarters in Gilbert, Arizona
* The ability to work weekends and overtime when needed
* The ability to operate a:
  + computer
  + telephone
  + fax machine/copier
* The ability to:
  + Walk a construction site and work in a hot/humid greenhouse and outdoor environment.
  + Sit for extended periods of time (2 hours at a time, 8 hours per day).
  + Occasionally (0-33%) lift or carry up to 10 lbs.
  + Frequently (34%-66%) perform fine manipulations with hands and fingers.
  + See, hear, and speak.

\*\*Please, no calls from applicants or recruiters