California Bioenergy LLC ("CalBio") is looking for a student intern from California State University Bakersfield to work with us this summer.

Priority is given to applicants from disadvantaged communities studying in a field related to our work including but not limited to engineering, biology and environmental studies.

The position is for 8 to 10 weeks, full-time or part-time. There is flexibility on the start date of the internship. Hours can be adjusted to reflect other work commitments. Pay is $12 per hour.

I. About CalBio

CalBio builds manure digesters on local dairy farms in partnership with the farmers. The digesters capture methane, a potent greenhouse gas, which would otherwise be emitted into the atmosphere, and uses the methane to generate electricity or compressed natural gas for use as a vehicle fuel.

Methane emissions from dairy manure management is responsible for approximately 25% of the state's methane emissions. California is requiring a 40% reduction of these emissions by 2030 as part of its broader greenhouse gas reduction mandate.

CalBio has five active projects in Kern County. Its first project is located near the CSUB campus on Stockdale Highway. A cluster of CalBio dairy sites southwest of Bakersfield is one of California's three Sustainable Freight Action Plan Pilot Projects, where dairy biogas will be cleaned to nearly pure methane and injected into the pipeline.

CalBio works with the dairy industry and a variety of state agencies including the California Department of Food and Agriculture, the California Air Resources Board, the California Energy Commission and the San Joaquin Valley Air Pollution Control District. The summer internship is a part of CalBio's developing program with CSUB which also includes education programs, digester tours, and a fall-term internship.

Through the internship program the student will gain knowledge of digester engineering, facility construction and operations, policy issues related to greenhouse gas reductions, and project economics.

II. Internship Responsibilities

The role will likely include the following:
1. Work with the Director of Operations and join in daily operations rounds during training and conduct rounds independently once a clear understanding is demonstrated.
2. Conduct analytical testing and gain an understanding of what results mean in diagnosing overall digester and plant performance.
3. Participate in facility maintenance and monitoring activities working in conjunction with the Director of our Greenhouse Gas Reductions Initiatives and potentially with the engine operators.
4. Assist in the eMaint preventative maintenance system through data entry and part/procedure development.
5. Participate in preparing monthly written documents and/or by providing assistance in developing document templates.
6. Other potential areas of participation include:
   (a) work on marketing materials including CalBio's website, outreach via social media, and development of calendars of seminars and upcoming programs;
   (b) exposure to and participation in the steps to develop new digester facilities;
   (c) financial analysis and modeling.

III. Qualifications

Applicants:
1. Are limited to CSUB students
2. Must have completed at least their freshman year and may include graduating seniors.

IV. Working Conditions

The internship will often take place at dairies in Kern County as well as in office space in Bakersfield. The intern may be required to work in conditions where hazardous materials and/or toxic fumes could be present and safety training will be provided. Additionally, he or she will be exposed to areas of high heat, loud noise, steam, combustible gases, rotating equipment and other conditions normally found in an operating power generation facility.

VI. To Apply

Applicants should send
1. A cover letter expressing interest in the internship
2. A resume
3. An unofficial transcript from CSUB
4. A list of three references whom CalBio would be able to contact. Please provide name, title, phone and email address. At least one reference should be from one of your CSUB professors.
5. Please let us know if you have a valid drivers license and if you have access to a car.

Applications are to be submitted by May 14 to:
- info@calbionergy.com and acraig@calbionergy.com
- Subject: CalBio CSUB Summer Internship

If you have questions, please also contact CalBio at these two email addresses.