Bio-Research Engineer (Internship/Co-Op)

*Majors: Biology, Biochemistry, Biomedical Engineering, Chemical Engineering, Mechanical Engineering or a related field*

**Position:** Two Intern/Co-op positions are available for Bio-Research Engineers or related disciplines to develop algae bioreactors and processes to grow algae for biodiesel production.

**General Description:**
Through a collaborative agreement, OAI is offering two internship positions with its partner, Phycal, Inc. who is developing and commercializing alternative biofuel technologies for the growth and extraction of oil from algae. Once extracted, this algal oil can be refined into biodiesel and other bio-hydrocarbons. Our work is a strategic blend of patented microbiology and engineering.

Selected students will lead investigations on the development of various aspects of the algae to oil process for maximum oil production. This may include: bioreactor equipment; optimization of heat, light, nutrient levels; processes for separation of algae from water; and oil extraction processes. The end product will be a working prototype system which can be placed outdoors to produce and harvest algal oil.

**Experience Required:**
Candidates should be working towards a bachelor’s degree in *biology, biochemistry, bio-medical engineering, chemistry, chemical engineering, mechanical engineering or a related field.*

Hiring decisions will be based around the candidate’s creativity, problem solving ability, and communication skills. Candidates should be comfortable working independently and designing, building and fabricating prototype equipment and associated testing protocols.

We are looking for candidates excited about making a big difference in a startup company in the alternative energy field.

**Term:** May – December 2011 semester

**Salary:** A competitive salary will be offered

**Position Location:** Phycal, Inc. 51 Alpha Park Drive, Highland Heights, Oh 44143

Interested parties should forward their resume to Laura Staley no later than the close of business Friday, April 8, 2011.