Job Title: Algal Research Specialist

MINIMUM MONTHLY SALARY: $2,868/Mon.

DUTIES: Conducts research required to develop methods to optimize microalgae growth and lipid content, such as with a flow cytometer, under controlled laboratory conditions. Performs gas chromatography – mass spectrometry (GC/MS) analyses of fatty acid profiles of algae, with special emphasis on evaluation of high value products. Assists Principal Investigator (PI) and Senior Researchers. Performs maintenance and updates on equipment/instrumentation. Writes reports and procures supplies and equipment.

PRIMARY QUALIFICATIONS: EDUCATION: Bachelor's Degree from an accredited four (4) year college or university in Biochemistry or related field. At least two (2) published scientific research paper in recognized scientific journal. EXPERIENCE: Three to five (3-5) years of experience working in a laboratory and research environment on microalgae, including at least one (1) year experience with large scale, outdoor cultivation of algae. ABIL/KNOW/SKILLS: Proficient knowledge in the use of GC/MS systems and good working knowledge in the use of other laboratory analytical instrumentation, including but not limited to: ultraviolet - visible spectroscopy, high performance liquid chromatography (HPLC), automated solvent extractors, freeze driers, scanning electron microscopes (SEM) and confocal microscopy. Knowledge in the biochemistry of pigments, high value fatty acids, and proteins. Proficiency in algal lipid analyses by various methods such as: total lipid extraction via solvent separation, including automated solvent extraction, fatty acid profile determination via GC/MS, and HPLC. Must possess the ability, desire, and motivation to integrate their skill set and understanding of algal biochemistry to develop novel methods as needed. In addition, mechanical aptitude needed to independently install and maintain equipment. Ability to effectively analyze scientific data. Demonstrated capability to prepare reports through previous publications. Able to plan experiments independently.

SECONDARY QUALIFICATIONS: Direct experience in microalgal culture and lipid chemistry. Solid understanding of general organic chemistry techniques. Understanding of flow cytometry.

INQUIRIES: Steven Chang 956-9572 (Oahu).

APPLICATION REQUIREMENTS: The preferred method of applying for a job is through our on-line application process. Please go to www.rcuh.com, click on “Employment” and navigate to “Job Announcements/Apply for a Job.” However, if you do not have access to the Internet, you may apply by submitting resume; cover letter including Recruitment ID#, referral source, narrative of your qualifications for position and salary history; names, phone numbers and addresses of three supervisory references and copy of degree(s)/transcripts/certificate(s) to qualify for position by fax (808) 956-5022, mail, or hand-deliver to: Director of Human Resources, Research Corporation of the University of Hawaii, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. Online applications and faxed documents must be submitted/received by the closing date (11:59 PM Hawaii Time).
P.M. Hawaii Standard Time/RCUH receipt time). Mailed documents must be postmarked by the closing date. Hand-delivered documents must be received by our HR office by 4 P.M. Hawaii Standard Time/RCUH receipt time. If you have questions on the application process and/or need assistance, please call (808)956-3100.

EEO/AA Employer

Please apply before 08/12/2011