Title: Assistant Professor and Assistant Systems Biologist in the Agricultural Experiment Station

Location: Department of Viticulture and Enology, University of California, Davis.

Background: The primary research mission of the Department of Viticulture and Enology is to produce the innovations that will advance the understanding of wine and grape quality, and sustainability of production. To advance that mission, the Department seeks a new faculty member who has strong research expertise in the area of plant genomics, proteomics, and/or metabolomics and interest in the *Vitis* system. This position complements the University of California Division of Agricultural and Natural Resources vision for *Healthy Food Systems* and *Health Environments* by providing wine and grape producers with new understandings that will enable improved productivity and quality with fewer inputs, reducing the environmental impact of grape cultivation while improving the quality of the products.

Expectations: We seek to hire a systems biologist who will study economically significant traits in *Vitis* cultivars, such as those related to ripening and flavor development and/or disease resistance. Taking advantage of the grape genome, the incumbent is expected to utilize a systems-based approach, linking transcriptomic, proteomic and/or metabolomic data on grape to elucidate environmental and genetic control of these traits. Thus, the research should help define the metabolic networks, and their control that link genomic content to a physiological or enological outcome. The candidate would complement and collaborate with current faculty who have expertise in breeding, environmental physiology, biochemistry, flavor chemistry, metabolic modeling, and sensory science, to address these complex issues. Graduate students in the successful candidate’s laboratory can be drawn from a wide variety of graduate groups (degree programs) on campus, covering the disciplines important for this research. The successful candidate will be expected to provide undergraduate instruction contributing to the department teaching in viticulture as well as develop a course in their area of expertise, and contribution to graduate coursework is also an expectation. Based on an appointment in the Agricultural Experiment Station, there is also an expectation of extending research knowledge to stakeholders in California by working with Specialists, workgroups and Advisors.

Qualifications: Ph.D. in Plant Biology, Plant Science, or a related discipline is required with experience in genomic, proteomic, and/or metabolomic tools. While previous expertise in *Vitis* or related species is not required, a stated goal to work with *Vitis* as an experimental system is necessary in order to bring the latest advances in science to viticulture and enology. Candidate finalists will be selected on the basis of the following criteria; demonstrated ability or potential to conduct independent research; a record of scholarly and academic achievement; commitment to effective teaching and outreach; excellence in written and oral communication.

Salary: Commensurate with experience.
**Date Available:** January 1, 2012

**Applications:** Applications should be submitted on-line at [https://recruitments.ucdavis.edu/](https://recruitments.ucdavis.edu/) and inquiries should be directed to Dr. Douglas O. Adams, Recruitment Advisory Committee Chair, Dept. of Viticulture and Enology, Univ. of California, One Shields Ave, Davis, CA 95616, telephone (530) 752-1902, email: doadams@ucdavis.edu.

Applicants should submit: curriculum vitae including publication list; statement of research and a separate statement describing teaching interests and background; reprints of three publications; academic transcripts (if within five years of graduation); and names, addresses including e-mail, and telephone numbers of five references. The position will remain open until filled. To ensure full consideration, applications should be received by September 30, 2011.

UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.