

GLENN NAGEL UNDERGRADUATE RESEARCH AWARD PROGRAM

<http://www.calstate.edu/csUPERB/awards/nagel-about.shtml>

2012 REQUEST FOR APPLICATIONS

Important Dates and Information:

RFA Release Date: September 8, 2011

Application Deadline: October 10, 2011 before 5:00 p.m. pacific time

Award Notification: At CSU Biotechnology Symposium, January 5-7, 2012

Maximum Award Amount: \$1,750 (\$750 award and travel reimbursement up to \$1,000)

Program Description:

The Glenn Nagel Undergraduate Research Award fosters excellence in undergraduate student research throughout the California State University (CSU) system in biotechnology, covering a broad range of topics in cellular, molecular, chemical and physical studies of the life sciences.

This award honors Dean Glenn Nagel (CSU Long Beach), who held his students to a high level of integrity in research. Dr. Nagel was a biochemistry professor at CSU Fullerton and later worked to promote high-quality undergraduate research as Dean of Natural Science and Mathematics at CSU Long Beach. He was an active participant in CSUPERB governance from its inception in 1987 until his death in 2003 and received the CSUPERB Andreoli Faculty Service Award in 1996.

2012 Nagel Award Review Criteria:

- *Quality of Poster Abstract.* The presented research project must be original and literature reviews alone are not acceptable.

- *Quality of Essay.* Applicants must submit an essay describing the impact of the research project (described in the poster abstract) will have on that specific research field, what "integrity in research" means to the applicant, what applicant's career goals are, and how the research project described in the poster abstract impacts those career goals. Because the Nagel Award includes a travel allowance, the essay should also provide details about the national or international meeting the applicant plans to attend, if he/she wins the Nagel Award. Explain why that particular meeting would be an appropriate setting in which to present the applicant's research project.
- *Nomination Letter from Faculty Advisor.* A faculty advisor must submit a signed nomination letter with the application package. This letter should provide a fair and objective assessment of the student's academic achievements and research abilities.
- *Quality of Poster and Interview.* Applicants' posters will be judged based on the quality of the work presented, clarity of the data analysis, and ease of viewing. Applicant will also be judged on his/her ability to answer questions during an interview at the poster during the 24th Annual CSU Biotechnology Symposium (January 5-7, 2012 in Santa Clara, California; see www.calstate.edu/csuperb/symposium/2012).

Program Eligibility and Requirements:

- The Nagel Award program is open to any CSU undergraduate student engaged in biotechnology research. Previous Nagel Award winners are not eligible.
- The research project presented must be biotechnology-related. CSUPERB accepts applications from students in all biotechnology-related disciplines, including but not limited to life science, physical science, clinical science, math, computer science, agricultural science, engineering, and/or business.
- Applicants and their faculty mentors must submit a poster abstract to the CSU Biotechnology Symposium using the electronic abstract submission system, OARS (see: <http://www.calstate.edu/csuperb/symposium/2012/submission.shtml>) by October 10, 2011. Applicants' poster abstracts are evaluated by a CSU faculty committee in the

pool of abstracts submitted to the symposium. If the symposium committee does not select the poster abstract, applicants will not be eligible for the Nagel Award.

- Complete application packages (see below) must be submitted by the deadline.
- Applicants are required to attend the symposium if selected as a '*finalist*' by the review committee.

Application Submission Instructions:

APPLICATION DEADLINE is October 10, 2011 before 5:00 p.m. pacific time.

Application forms and electronic submission instructions are available at the CSUPERB webpage: <http://www.calstate.edu/csuperb/awards/nagel-submission.shtml>.

A complete application package includes all of the following:

- Signed Nagel Award cover page
- Poster abstract as submitted to the CSU Biotechnology Symposium
- Signed faculty advisor nomination letter (limit 2 pages) on campus letterhead
- Personal essay (limit 2 pages)

Eden Award application packages must be submitted by the deadline using the OARS system (www.csuperb.org/oars).

Evaluation and Review Process:

Applications that are complete and meet eligibility requirements will be reviewed and evaluated by a panel comprised of CSU faculty, administrators and the Nagel family. Up to one award will be made each year. The evaluation and review process involves the following:

- The CSUPERB program office will evaluate applications for completeness and eligibility. Qualified applications will be forwarded to the review committee.
- The review committee will select finalists based on the quality of research described in the poster abstract, applicant's essay and nomination letter from faculty advisor.

Finalists will be notified so that they can register for and attend the CSU Biotechnology Symposium.

- Finalists will be further evaluated based on their poster presentation at the symposium.
- The award recipient will be announced and recognized during the awards dinner at the symposium.

The Award:

A prize of \$750 will be made to support the education of the award recipient. The remainder (maximum up to \$1000) will be available to reimburse awardee's expenses incurred travelling to and from national or international scientific meeting to present the award-winning research project. Maximum award amount is \$1,750.

Program Contacts and Addresses:

For information about application forms and submission process:

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For information about this program and RFA:

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