

GLENN NAGEL UNDERGRADUATE RESEARCH AWARD 2021 REQUEST FOR NOMINATIONS

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Important Dates and Information:

RFN Release Date: August 27, 2020
Nomination Deadline: September 28, 2020 before 5:00 p.m. pacific time
Award Announcement: At CSU Biotechnology Symposium, January 7-10, 2021
Maximum Award Amount: \$1,750 (\$750 cash prize and travel reimbursement up to \$1,000)

Award 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. The award is designed to recognize and promote successful scientific communication to general audiences, to celebrate the work of outstanding undergraduate researchers, and to highlight the pioneering work of collaborative faculty-student research groups.

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, receiving the CSUPERB Andreoli Faculty Service Award in 1996.

The Nagel Award competition is held at the virtual annual CSU Biotechnology Symposium (January 7-10, 2021). The maximum Nagel Award is \$1,750 and is awarded as both a cash prize and a travel allowance to attend a professional meeting.

Nagel Award Eligibility:

- The Nagel Award program is open to any CSU undergraduate student engaged in biotechnology-related research.
- The research project presented must be biotechnology-related. CSUPERB accepts nominations 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.
- Nagel nominees must be a presenting author on a poster abstract submitted by a CSU faculty advisor and subsequently accepted at the 33rd Annual CSU Biotechnology Symposium. Students can only be nominated for work related to one poster accepted at the symposium even if they are an author on more than one poster.
- Nagel nominees must attend the virtual annual CSU Biotechnology Symposium (January 7-10, 2021) to compete in the award competition.

Nagel Award Selection Criteria:

- *Quality of Poster Abstract.* The presented research project must be original. Literature reviews alone are not acceptable.
- *Quality of Essay.* Student nominees must submit an essay describing the impact the research project (described in the poster abstract) will have on that specific research field, what "integrity in research" means to the nominee, what the nominee'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 nominee 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 research project.

- *Nomination Letter from Faculty Mentor.* A faculty mentor must submit a signed nomination letter with the nomination package. This letter should provide a fair and objective assessment of the student's academic achievements and research abilities.
- *Quality of Poster and Interview.* Nominees' posters will be judged based on the quality of the work presented, clarity of the data analysis, and ease of viewing. Students will also be judged on his/her ability to answer questions during a poster interview with the review committee.

Nomination Instructions:

NOMINATION DEADLINE is Monday, September 28, 2020 before 5:00 p.m. pacific time.

- Nagel nominations must be submitted by faculty mentors at the same time and as part of the annual CSU Biotechnology Symposium poster abstract submission process using the CSYou system (<http://www.csuperb.org/symposium/poster-info/>).
- Nagel nominees should be listed as a presenting author on a poster abstract submitted by a faculty mentor to the annual CSU Biotechnology Symposium. CSU faculty members submit abstracts using the CSYou poster abstract submission system. If the poster abstract selection committee does not accept the poster abstract submitted, students will not be eligible for the Nagel Award. Please pay close attention to the CSUPERB poster abstract selection criteria.
- Complete nomination packages (see below) must be submitted by the deadline. Supporting Eden nomination documents must be submitted in either Microsoft Word or Adobe PDF format.

A complete nomination package includes all of the following (submitted using the online CSYou poster abstract submission system):

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

Selection Process:

Nominations that are complete and meet eligibility requirements will be reviewed and selected by a panel comprised of CSU faculty, administrators and the Nagel family. Up to one award will be made each year.

- The CSUPERB program office will evaluate nominations for completeness and eligibility. Qualified nominations will be forwarded to the selection committee.
- The selection committee will make decisions based on the quality of research described in the poster abstract, nominee's essay and nomination letter from faculty mentor.
- Finalists will be notified so that they can register for and attend the CSU Biotechnology Symposium. Nominees not selected as Finalists will be recognized during the poster sessions.
- Finalists will be further evaluated based on their poster interview during the symposium.
- The award recipient will be announced and honored during the awards dinner at the symposium.

The Nagel Award:

An award of \$750 will be made in the form of a cash prize issued as a check from San Diego State University to the awardee and sent via U.S. Mail.

The remainder (maximum up to \$1000) will be available to reimburse awardee's expenses incurred travelling to and from a national or international scientific meeting to present the award-winning research project. Student awardee must be an enrolled CSU student (not yet graduated) or a CSU employee at the time the travel funds are used so that the expenses can be reimbursed. Note that there is currently a

CSU ban on travel through June 30, 2021 due to the COVID-19 pandemic which is beyond the control of the CSUPERB program.

CSUPERB Statement of Principles on Professional Behavior:

CSUPERB values diverse perspectives where all individuals can flourish. CSUPERB is dedicated to providing an environment that fosters intellectual curiosity and creativity, free and lively debate conducted with mutual respect for individuals, and freedom from intolerance. These values are applicable to any aspect of CSUPERB’s work, including meetings, symposia, and funded activities. Specifically, members of our community value:

- Critical scholarly discourse for the purpose of understanding, advancing scientific ideas, and educating the next generation of science and engineering practitioners;
- Education and research environments where all people are treated equally, regardless of race, gender, ethnicity, sexual orientation and free of bias, hostility, and harassment of any kind;
- Conversations and discussions where community members can share ideas in a collegial atmosphere that is inclusive and values everyone’s input and opportunity to participate;
- Advocacy for equality and inclusivity in science;
- The use of inclusive examples, graphics, and stories in presentations and proposals;
- Access for all community members, including traditionally underrepresented groups, to fully participate in and become leaders in science;
- The support and promotion of the education and careers of all scientists, engineers, and bio-entrepreneurs;
- Leadership in our fields to strengthen scientific mentorship and create an atmosphere of collaboration;
- Commitment to our own education and participation in activities related to recognizing and eliminating implicit bias.

All participants in CSUPERB events and activities are expected to follow the requirements of Title V, Title IX, and California State University (CSU) Executive Orders and adhere to the CSUPERB Principles of Professional Behavior and values. Non-CSU participants who do not follow these expectations may be asked to leave a CSUPERB event or activity and/or prohibited from participation in future CSUPERB events or activities.

Program Contacts:

Nominators are encouraged to contact CSUPERB via email instead of telephone due to the uncertain “work-from-home” scheduling during the COVID-19 pandemic.

Submission questions:

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Program and nomination questions:

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