

CSU Biotechnology (CSUBIOTECH) 2024 FACULTY-STUDENT COLLABORATIVE RESEARCH: NEW INVESTIGATOR GRANT PROGRAM

Proposal Due Date: February 1, 2024, before 5:00 p.m. pacific time

Project Title	
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Principal Investigator (PI) Name	PI Academic Title	Phone
	Choose an item.	
Campus	Department	Email

Budget Requested (maximum = \$15,000)	Project End Date (must end no later than 11/30/25)	Please indicate with a yes or no if you have been found in violation of Title V, Title IX, or CSU Executive Orders 1096 or 1097 in the last 5 years.

Campus Approvals

Project involves Human Subjects	Choose an item.	If yes, is IRB review pending?	Choose an item.
Project involves Vertebrate Animals	Choose an item.	If yes, is IACUC review pending?	Choose an item.
Project involves Biohazards or Recombinant DNA	Choose an item.	If yes, is IBC review pending?	Choose an item.

*Note: If project requires the approvals listed above and the campus has already granted approval, a copy of the approval communication **must be submitted with the proposal**. Successful PIs with pending IRB, IBC, or IACUC approvals are required to submit copies of the campus approval to CSUBIOTECH before funds will be released to the campus. In some cases IRB, IBC, or IACUC approvals will be needed from partner institutions before work can begin, so plan accordingly.*

Applicant Certification

By signing this application, I the undersigned, certify that the statements herein are true, complete and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent statements or claims may result in the removal of this application from review or in termination of the grant. In addition, I certify I am responsible for supervising any students, paid or unpaid, who work on the project and that those students will complete all required campus trainings required prior to their involvement in the project. This includes, but is not limited to, safety training or training specified in IRB or IACUC approvals. I also certify I am responsible for obtaining necessary regulatory compliance approvals from our campus and any necessary approvals from collaborating, external institutions prior to spending on the project. I authorize my campus to disclose to the CSUBIOTECH program office any substantiated violations of Title V, IX, or CSU Executive Orders 1096 or 1097.

Principal Investigator:

Signature

Date

Institutional Certification

Chief Research Officers and Vice Presidents of Research system-wide have requested that CSUBIOTECH proposals be routed through campus grant "clearance" mechanisms. By signing this application we, or our designee, acknowledge that our institution has reviewed the proposed project and supports this grant application. We acknowledge that we monitor compliance with campus regulations regarding student involvement in research.

Department or Unit Chair:

(only required when budgeting faculty effort)

Signature

Print Name

Date

Dean or Designee:

Signature

Print Name

Date

PI:

Campus:

Project Title:

ABSTRACTS

Abstracts are meant to serve as succinct, accurate descriptions of the proposed work when separated from the rest of the application. Do not include proprietary or confidential information. The technical abstract is used to select reviewers. If the project is funded, the non-technical abstract will be published at the CSUBIOTECH website for public information and program promotion. The **two abstracts combined are limited to one page total**.

Use only single-spaced text, 12 point Times New Roman font or 11 point Arial with 0.75-inch margins for all proposal text entries. **Applications not complying with this format throughout the proposal will not be accepted for review.**

TECHNICAL ABSTRACT: (State the proposal's broad, long-term objectives and specific aims for reviewers.)

NON-TECHNICAL ABSTRACT: (Provide a non-technical description, or lay summary, of the project's overall objectives and key milestones for a non-expert, public audience. You could also explain how this project might impact the future of biotechnology. In keeping with calls for plain writing to improve science and technical communication, CSUBIOTECH review panels will consider the effectiveness of the non-technical abstract in their assessment of proposals (For help, see <http://bit.ly/2uMqkpt>).

SAMPLE

PI:

Campus:

Project Title:

PROJECT DESCRIPTION

(Limit 2 pages. Reference lists are limited to 20 citations maximum, listed on one additional, separate page. References exceeding the maximum will be removed from the proposal for review. Figures - including captions - may be included on one additional, separate page.)

SAMPLE

PI:

Campus:

Project Title:

KEY MILESTONES AND TIMELINE

(Limit 1/2 page)

JUSTIFY THE NEW INVESTIGATOR NATURE OF THE PROJECT

The New Investigator Grant program is open to tenured/tenure-track CSU faculty members who have not yet received external support for any of their CSU research projects. Project plans and budgets must be tied to the collection of data necessary for submission of research grant applications to external-to-the-CSU funding agencies or organizations. Address both points in this section.

(Limit 1/2 page)

PI:

Campus:

Project Title:

PAST, CURRENT AND PENDING SUPPORT

NOTE: The New Investigator Grant program is open to tenured/tenure-track CSU faculty members who have not yet received external support for their CSU research programs or who have already won two CSUBIOTECH research grants. See RFP for specific eligibility criteria! Do not list funding for which you were a co-PI, or for which you assisted in writing a research grant proposal unless funding from the grant was specifically issued to you for your own laboratory's research program.

(There is no page limitation for the PAST, CURRENT AND PENDING SUPPORT section)

Past Support – List all support whether or not relevant to the project proposed here

For each entry, include: 1) Title of Grant/Award/Support, 2) Funding Source, 3) Amount of Award, 4) Duration of Funding, 5) Your role in the project, e.g. PI, and 6) Indicate whether the aims of the project overlap with aims proposed here.

Current Research Support– List all support whether or not relevant and/or overlapping to the project proposed here

For each entry, include: 1) Title of Grant/Award/Support, 2) Funding Source, 3) Amount of Award, 4) Duration of Funding, 5) Your role in the project, e.g. PI, and 6) Indicate whether the aims of the project overlap with aims proposed here.

Pending Research Support – List all pending support whether or not relevant and/or overlapping to the project proposed here.

For each entry, include: 1) Title of Grant/Award/Support, 2) Funding Source, 3) Amount of Award, 4) Duration of Funding, 5) Your role in the project, e.g. PI, and 6) Indicate whether the aims of the project overlap with aims proposed here.

DESCRIBE STUDENT INVOLVEMENT IN PROPOSED RESEARCH PROJECT AND YOUR MENTORING PLAN

(Limit 1/2 page)

PI:

Campus:

Project Title:

BUDGET REQUESTED

(Limit 1 page.)

Budget Category	Amount Requested (\$)
1. Salaries	
<u>CSU Faculty, Key Personnel and Students</u> (List and name key personnel below along with budget amount requested per person; PI salary & fringe not to exceed \$5,000)	
Salaries Category Subtotal:	
2. Equipment (List requested equipment below and cost of each item)	
Equipment Category Subtotal:	
3. Supplies/Materials (List requested supplies/materials and cost of each item)	
Supplies/Materials Category Subtotal:	
4. Travel (Travel to scientific meetings, including the <u>CSU Biotechnology Symposium</u> , is not allowed under this grant program)	
Travel Category Subtotal:	
5. Other	
Other Category Subtotal:	
TOTAL AMOUNT REQUESTED (Maximum Request = \$15,000):	\$

PI:

Campus:

Project Title:

BUDGET JUSTIFICATION

(Limit ½ page)

DESCRIBE MAJOR EQUIPMENT, SHARED FACILITIES, REAGENTS, AND OTHER RESOURCES ALREADY AVAILABLE TO PROPOSED PROJECT

(Limit ½ page. Reviewers use this section to assess the feasibility of the research project as proposed.)

SAMPLE

PI:

Campus:

Project Title:

SHORT CV FOR THE PRINCIPAL INVESTIGATOR AND ALL CO-PRINCIPAL INVESTIGATORS

*(Append a **one-page** CV for the principal investigator and for each co-principal investigator. Each CV should list no more than 5 recent publications related to this project.)*

SAMPLE