CSU Council on Ocean Affairs, Science & Technology

Graduate Student Research Award Program 2021-22

To hear the audio, please use your computer speakers OR use your telephone:
Number: 669-900-6833 Meeting ID: 870 0786 2827
In the next 30 minutes

• What is COAST?
• Graduate Student Research Awards
• Questions?
What is COAST?
CSU-wide network of faculty members and students actively working to address critical ocean and coastal issues.
What does COAST do?

Promotes research and education to advance our knowledge of coastal and marine systems.
COAST supports marine, coastal and coastal watershed related research

The open and coastal ocean
COAST supports marine, coastal and coastal watershed related research

Coastal zones (bays, estuaries, beaches)
COAST supports marine, coastal and coastal watershed related research

Coastal watersheds

Clear and direct linkages with coast or ocean!!!

Anadromous fish, surface and groundwater flow, water quality, land use, etc.
Work supported by COAST is NOT limited to California
COAST goals

Advance our knowledge of coastal and marine resources and the processes that affect them.

Develop innovative solutions to the economic, sociological, ecological and technological challenges that our coastal zone faces.

Promote environmental literacy to foster stewardship and sustainable use of our coast.
We want you!!!

COAST is committed to creating a more diverse and inclusive marine and coastal science community.

Students who are members of a group that has been historically excluded from marine and coastal science, including students who are Hispanic/LatinX, Black or African American, Asian, Pacific Islander, American Indian or Alaska Native; female; LGBTQIA+; first-generation college students; economically disadvantaged; veterans; and students with disabilities are strongly encouraged to apply to all of our opportunities.

https://www.calstate.edu/impact-of-the-csu/research/coast/Pages/Anti-Racism_Inclusive_Diversity_Resources.aspx
## Open Funding Opportunities

- Huntington Beach Oil Spill Funding
- 2021-22 Undergraduate Student Research Support Program
- 2021-22 Graduate Student Research Award Program
- 2021-22 Rapid Response Funding Program
- 2021-22 Student Travel Awards
- 2021-22 Short Course, Workshop, and Symposium Funding Program
- 2021-22 Seminar Speaker Series Program

[More Funding Opportunities](#)

## Announcements

- Register for the COAST Annual Meeting: Friday, November 5, 2021 (Virtual)
- Register for the Virtual CSU COAST-ADVANCEGeo DEI Professional Development Series Fall 2021

[Announcements](#)

## Get Involved

- Become a Member
- Sign up for the Student Email List
- Sign up for the Faculty Email List

[Get Involved](#)

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Stay informed!

[www.calstate.edu/coast](http://www.calstate.edu/coast)
Sign Up for the Student Email List

Please sign up here for the COAST student email list. You'll receive periodic emails from COAST about funding, internship and job opportunities.

The form below only works with Chrome and Firefox browsers. If you are using a different browser or having trouble with sign-up, please contact us at csuccoast@csumb.edu.

Email address:

First and last name (required):

Subscribe
Stay informed!

csucoast
Graduate Student Research Awards

Deadline: Thursday, January 27, 2022, 5:00 p.m. PST
Graduate Student Research Awards

• $3,000 awards to graduate students conducting marine, coastal and coastal watershed research

• Plan to make ~35 awards this year
# Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 14, 2021</td>
<td>Announcement released</td>
</tr>
<tr>
<td>Jan. 27, 2022</td>
<td>Applications due by 5:00 P.M. PST</td>
</tr>
<tr>
<td>Feb. - April 2022</td>
<td>In review</td>
</tr>
<tr>
<td>Late April 2022</td>
<td>Earliest notification</td>
</tr>
<tr>
<td>May 15, 2022</td>
<td>Project start date</td>
</tr>
<tr>
<td>Dec. 1, 2022</td>
<td>Post-award reports due</td>
</tr>
</tbody>
</table>
Complete application includes

1. Application form
   – Includes Advisor Sign-Off Form

2. Letter of recommendation from CSU faculty member (Advisor)

3. Departmental Commitment Form (for some applicants)
Application form required items

• Keywords
• Budget summary

Budget Summary (must add up to $3,000)

Award amount directly to awardee:

Award amount to Department (DCF required for department funding):
Application form required items

• Keywords
• Budget summary
• Suggested reviewers
  — Must be from the CSU
  — May not be from home campus, members of committee, potential conflict of interest (COI)
### Committee Members (Required)

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Campus</th>
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</thead>
<tbody>
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</tbody>
</table>

### CSU Suggested Reviewers (Required): Suggested reviewers must be from the CSU. Use the [COAST member database](#) to help identify potential reviewers. Do not suggest any reviewers from your campus or reviewers with a potential conflict of interest.

<table>
<thead>
<tr>
<th>Name:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSU Campus:</td>
<td></td>
<td></td>
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<tr>
<td>Department:</td>
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<tr>
<td>Email:</td>
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</tbody>
</table>
NEW Requirement

- **Advisor Sign-Off Form** required for ALL applications
  - Encourages you to engage with your CSU Advisor as you develop your application
  - Indicates Advisor has reviewed your application, provided guidance and input, and approved it for submission
  - Found at the end of the Application Form
  - NOT a substitute for a LOR
Graduate Student Research Award Program
AY 2021-2022 Advisor Sign-Off Form

To encourage you to engage with your CSU Advisor as you develop your application, we are now requiring this Form for all applications submitted to the COAST Graduate Research Award Program. By signing this form, your advisor indicates that they have reviewed your application, provided guidance and input, and approved it for submission. All information except signatures must be typed. Electronic signatures are acceptable.

Please note: this form is NOT a substitute for a letter of recommendation (LOR). Your Advisor must submit your LOR to gradletter@share.calstate.edu separately.

Applicant Name:

CSU Advisor Information:
Name: ____________________ Phone: ____________________
Department: ____________________ Email: ____________________

I have reviewed my student’s application and provided guidance and input. My signature below indicates my approval of the application.

CSU Advisor
Signature: ____________________ Date: _____________
Project description (65 pts)

• Product of your own work
• Advisor should provide input and feedback
• See examples of highly ranked applications from previous years
<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Relevant Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 14, 2021</td>
<td>Announcement released</td>
<td>2021-22 Award Announcement</td>
</tr>
<tr>
<td>Nov. 3, 2021</td>
<td>Informational webinar 12:00-1:00 P.M.</td>
<td>REGISTER</td>
</tr>
<tr>
<td>Jan. 27, 2022</td>
<td>Applications due by 5:00 P.M. PST</td>
<td>2021-22 Application Form, which includes the Advisor Sign-Off Form (Download zipped file)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2021-22 Departmental Commitment Form (A picture of the Department Commitment Form from a phone is acceptable)</td>
</tr>
<tr>
<td>Late April 2022</td>
<td>Applicants notified</td>
<td></td>
</tr>
<tr>
<td>May 15, 2022</td>
<td>Award start date</td>
<td></td>
</tr>
<tr>
<td>Dec. 1, 2022</td>
<td>Post-Award Reports due</td>
<td>Post-Award Reporting Form</td>
</tr>
</tbody>
</table>

2021-22 Graduate Student Research Award Flyer

COAST member database. Use to help identify potential reviewers

Examples of highly ranked applications from prior years

Previous awards
Project description (65 pts)

• Avoid the use of jargon and highly technical terms without explanation.

• Project description must make clear how your proposed activities relate to marine, estuarine, coastal, or coastal watershed environments, organisms or issues. There must be clear and direct linkages between any organism, material or process in a coastal watershed and the coast or ocean.
<table>
<thead>
<tr>
<th>Project description component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear description of the project, its goals and significance</td>
<td>30</td>
</tr>
<tr>
<td>Statements sufficiently referenced</td>
<td>5</td>
</tr>
<tr>
<td>Use of original, peer-reviewed literature, both foundational and current</td>
<td>5</td>
</tr>
<tr>
<td>Clearly stated hypotheses or objectives</td>
<td>5</td>
</tr>
<tr>
<td>Experimental design and methodology</td>
<td>15</td>
</tr>
<tr>
<td>Data analysis plan</td>
<td>5</td>
</tr>
</tbody>
</table>
Project description: 1,500-word limit

Text in figures and tables counts
In addition, the pups that were found had a lower body mass (Elorriaga-Verplancken et al. 2016). This study also did not address the ability to date the isotope values on the pup fur, so it must be inferred that the isotopes reflect current prey availability and not a series of points that could be offered from analyzing vibrissae. Other studies have looked at the change in isotope values over time using vibrissae, but focused on Stellar Sea Lions and compared values of a pup before and after weaning rather than the diet change of an adult after disturbance (Stegall et al. 2008). There are no prominent studies that compared the change in diet over time using isotopes, rather the most developed study in this direction looks at the isotopes before and after disturbance (Elorriaga-Verplancken et al. 2016).

Although this gives valuable insight into the dietary shift, it excludes the time of the shift and its overlay with the time of surface temperature increase. Some of the fecal studies did compare the solids that were founds, such as cephalopod beaks or oiliths (Garcia-Rodriguez and Aurioles-Gamboa 2004), but these compared what was found at different time steps rather than a continuous time comparison. My proposed study will fill the gaps in this knowledge; the stable isotope analysis of the vibrissae eliminates the need to tag animals and provides a more accurate timeline to when the shift in diet occurred. This allows us to overlay the isotope values with SSTA index and highlight at what point [1500-word limit reached, rest of Project Description redacted]
of 70 cm and collecting samples for determination of composition. Particle size analysis will be performed at
the US Forest Service Pacific Southwest Research Station. When saprolite or bedrock is reached, and a sample is
able to be collected, it will be shipped back to the Geology Department at [location] where
rock type and mineralogy can [1500-word limit reached, rest of Project Description redacted].
1,500-word limit

>800 words over limit
Timeline (10 pts)

- Clear plan for use of award beginning May 15, 2022
  - Can reference activities prior to 5/15/2022 but funds cannot be used for anything before that date
- Interim milestone dates
- Anticipated graduation date
Need for Research (7 pts)

• Clearly articulate the scientific need for your research
  – How will your work contribute to the advancement of your field?
  – What intellectual contribution will your expected results make?
Relevance to California (3 pts)

• Work supported NOT limited to CA
  – Priority to projects applicable to CA needs
• Describe how research is relevant to CA
Budget and Justification (15 pts)

• Construct your own!
  – Budget template provided
    • Remember to delete example text

• Research support ➔ Your department
  – You need a Departmental Commitment Form

• Living expenses ➔ Financial aid office
  – Unqualified scholarship
  – Taxable
  – Financial aid impact
### Budget and Justification (15 points total)

**Example Budget** (feel free to erase the content and use this format, adding additional rows as necessary, or create your own):

<table>
<thead>
<tr>
<th>Item/Description</th>
<th>Unit Price</th>
<th>Quantity</th>
<th>Amount to Awardee (via Financial Aid)</th>
<th>Amount to Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole spear bands</td>
<td>$4.50</td>
<td>5</td>
<td>-</td>
<td>$22.50</td>
</tr>
<tr>
<td>Small vessel hours</td>
<td>$30.00/hour</td>
<td>6</td>
<td>-</td>
<td>$180.00</td>
</tr>
<tr>
<td>Nitrile gloves (200/box)</td>
<td>$30.00</td>
<td>1</td>
<td>-</td>
<td>$30.00</td>
</tr>
<tr>
<td>Vials for otolith storage (144/box)</td>
<td>$98.00</td>
<td>2</td>
<td></td>
<td>$196.00</td>
</tr>
<tr>
<td>Radioisotope analysis at UC Davis</td>
<td>$99.00/sample</td>
<td>10</td>
<td>-</td>
<td>$990.00</td>
</tr>
<tr>
<td>3μm silicon carbide abrasive polishing film for otolith sectioning</td>
<td>$81.50</td>
<td>1</td>
<td>-</td>
<td>$81.50</td>
</tr>
<tr>
<td>(25-count)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Living Expenses (2 months)</td>
<td></td>
<td>-</td>
<td>$1000.00</td>
<td></td>
</tr>
<tr>
<td>Tuition</td>
<td></td>
<td>-</td>
<td>$500.00</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotals:</strong></td>
<td></td>
<td></td>
<td><strong>$1500.00</strong></td>
<td><strong>$1500.00</strong></td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td></td>
<td></td>
<td><strong>$3,000.00</strong></td>
<td></td>
</tr>
</tbody>
</table>
Living Expense Justification

• Requests for personal living expenses and/or tuition are equal in merit to requests for research-related expenses.

• Explain HOW the award will help you in detail
  – Rent
  – Monthly living expenses
  – Child care

• What will this award allow you to do that wouldn’t otherwise be possible?
  – E.g., reduce your hours at an unrelated job and therefore make progress toward your degree more quickly
When do you need a Departmental Commitment Form?

• If you are requesting that **any part** of your award go through your Department, you need a DCF

• If you are requesting that your entire award go through Financial Aid, you **DO NOT** need a DCF
Letter of Recommendation

• Discuss letter with your advisor
  – Ensure they will write a strong, detailed letter
    • Value of your project
    • Your ability to conduct and complete the work

• Your responsibility to ensure it is submitted ON TIME
  – Advisor will submit directly to COAST
Application Submission

- Submit both the .docx and .pdf application files.
- Within one hour of application submission, you will receive a confirmation email from COAST. Please save this email for future reference!
  - If you do not receive a confirmation email, please contact COAST immediately to ensure your application was received.
  - If you receive more than one confirmation email, save all of them.
Financial aid considerations

- Consult with a campus financial aid officer prior to accepting any support offered through this program

• Any funding made available to you through Financial Aid could lead to a decrease in other forms of financial assistance
Contact Information

Dr. Krista Kamer
kkamer@csumb.edu

Kim Jassowski
kjassowski@csumb.edu

www.calstate.edu/coast
Questions?