

**Jastro & Shields Graduate Award Application – Graduate Group in Ecology**

Student name: Katherine Lauck

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Degree sought (M.S. or Ph.D.): Ph.D

Major professor and their home department and college (your major professor's home department must be in the College of Agricultural and Environmental Sciences): Daniel Karp

Year of entry into the GGE: Fall 2019

Have you advanced to candidacy? If so, when? Not yet: planned Winter 2022

Cumulative grade point average (must be 3.30 or greater): 4.0

Have you previously received a Jastro & Shields Award? If yes, for which academic years, and for what amount per year? (individuals may not receive more than \$18,000 in Jastro & Shields awards during their tenure at UC Davis): Yes, in Summer 2020; research funds; \$3,854.50

**Abstract.** Attach an extended abstract of your thesis or dissertation research. Include a title; introduction; methods; description of anticipated scientific advances; description of applicability to management, education, or other practical purposes (if relevant); and literature cited. The abstract should address the scientific novelty and rigor of the research. The abstract, not including literature cited, may not exceed 500 words. Use 12-point font and 1” margins, number your pages, and double-space the abstract.

**Applicability to California.** Attach a statement of 100 words or fewer that explains whether your research is conducted in California or, if not, how it is applicable to California. Per CAES rules, this relevance is a requirement for receipt of Jastro & Shields awards.

**Contribution of the requested research funds to the thesis or dissertation.** Attach a statement of 100 words or fewer than explains how the Jastro & Shields funds will advance your research program as a whole.

**Contribution of the requested award to achieving degree objective (optional).** If applicable, attach a statement of 100 words or fewer that explains how the Jastro & Shields funds will allow you to complete your degree.

**Statement from major professor.** Attach a signed statement from your major professor indicating that they support your application and will assist with budget administration and management as needed. This is a simple statement only, not a letter of recommendation.

## BUDGET

You may apply for research funds (\$1000–3000), support funds (\$1000–3000), or both. Requests for research and support funds may be evaluated separately.

**Research budget.** Per CAES rules, research funds must be used for purposes vital to the success of the student’s research. This budget may not be less than \$1000 or exceed \$3000. Research awards shall be administered as an account by the student’s home department. GGE approval shall be required for among-category transfers that exceed 10% of the budgeted amount.

Research Budget Category	Amount
<b>Wages</b>	<b>\$3000</b>
Purpose of wages (e.g., for undergraduate or other research assistants)	Partial funding for 2 undergraduate research assistants during field season 2022: 15 weeks (Early April-mid-July) * 20 hours/week, paid at the UC Davis rate of \$15/hour, plus benefits of 2.1% * 2 people = \$9189
<b>Travel</b>	
Purpose of travel (e.g., field research, registration for a professional conference at which research will be presented). Itemize as relevant.	
Estimated travel expenses, itemized (e.g., airfare, mileage, lodging)	
<b>Materials and supplies.</b> Please itemize in general categories (e.g., GPS units, reagents). Per CAES rules, computers must be returned to the university upon graduation.	
<b>Other.</b> Explain and itemize.	
<b>Total</b>	<b>\$3000</b>

**Estimated total cost of thesis or dissertation research** (from all sources):

**\$26,669:** this includes 80 temperature loggers, 12 humidity and temperature loggers, 24 cameras, salary for 2 field assistants in summer 2022, physiology reagents for 432 samples, 50 nest boxes and poles, and transportation for two field seasons.

**Other secured sources of research support** (e.g., major professor's grant funds, other extramural grants and contracts). Per CAES rules, if the student's thesis or dissertation research requires more than \$3000, the graduate group must be assured that other sources of support are or will be available.

<b>Source</b>	<b>Amount</b>
Horodas	\$5000
Selma Herr	\$6792
Daniel Karp's startup fund	\$6200
Jastro 2020	\$3854.50
Museum of Fish and Wildlife Biology volunteer donation	\$2100
<b>Total</b>	<b>\$23,946.5</b>

**Support budget.** Per CAES rules, the support budget may not be less than \$1000 or exceed \$3000. Jastro & Shields awards do not support non-resident tuition and fees. Funds awarded for tuition and fees are paid directly by the GGE. Stipends are disbursed to students, are taxable income, and may affect financial aid awards.

<b>Support Budget Category</b>	<b>Amount</b>
Tuition and fees	
Stipend	\$3000 (partial Summer 2022, remainder covered by Daniel Karp's startup funds)
<b>Total</b>	<b>\$3000</b>