

From: Google Forms forms-receipts-noreply@google.com
Subject: WEC Travel Grant Application
Date: April 19, 2021 at 1:14 PM
To: diaz.renata@ufl.edu

GF

[External Email]

Google Forms

Thanks for filling out
[WEC Travel Grant Application](#)

Here's what we got from you:

Edit response

WEC Travel Grant Application

Please see eligibility information and other application instructions at

<https://wgsauf.weebly.com/travel-grants.html>

Email address *

diaz.renata@ufl.edu

Applicant Information

Name (first then last) *

Renata Diaz

UFID # *

47717968

UF E-mail Address *

diaz.renata@ufl.edu

Degree Sought *

☐ M.Sc.

☒ Ph.D.

Campus Address *

Building 150

Advisor *

S. K. Morgan Ernest

Phone *

9709787989

Are you a first year Masters/PhD student? *

☐ Yes

☒ No

Are you graduating this fiscal year (July 1-June 30)? *

☐ Yes

☒ No

Are you currently or have you ever been an active member of WGSA? *

☒ Yes

☐ No

If yes, please describe your involvement (officer position, monthly meeting attendance, etc.) *

In 2019 I helped out with undergraduate mentoring & cv workshops and grad school panels.

Are you applying for conference registration/travel? *

☒ Yes

☐ No

Are you applying for a professional development opportunity (i.e., non-conference)? *

☐ Yes

☒ No

Are you applying for reimbursement of academic publishing fees? *

☐ Yes

☒ No

Information

Title of Conference or Professional Development Event or Accepted Journal

*

ESA Annual Meeting

Event Dates (e.g. format: October 11-15, 2017) *

NA for publishing fees

August 2-6, 2021

Location of Event *

City, State, Country if traveling; Virtual for remote registration; NA for publishing fees

Virtual

Type of Event (Note: international events are defined as outside of the U.S.): *

- ☐ Invited Symposium (an option for conference applicants only)
- ☐ International Conference (e.g., IALE) or Professional Development event
- ☐ National Conference (e.g., ESA) or Professional Development event
- ☐ Regional Conference (e.g, Florida TWS) or Professional Development event
- ☐ NA for publishing fees

Presentation Information

Conference award recipients are graded on the type of presentation they will be giving at their event (oral, poster, or other) and are required to provide a WGSA Activity (see Travel Grants webpage for more details) before or after their event. Professional development recipients are required to provide a WGSA Activity after their event and are graded on the type of activity they will provide (a hands-on workshop, a demo, or one of the other Activity options---see website for more details). A hands-on workshop should be interactive for participants (e.g., working with a dataset and R package, trying out a field technique, etc.) vs. a demonstration is non-interactive (e.g., telling and showing participants how a R package works without them using it on their own laptops).

Type of Presentation *

- ☒ Oral (Conference applicants) or WGSA hands-on workshop (ProfDev applicants)
- ☐ Poster (Conference applicants) or WGSA demo (ProfDev applicants)
- ☐ Not presenting (Conference applicants) or Other Activity (ProfDev applicants)
- ☐ NA for publishing fees

Abstract or Justification *

For Presenting Conference applicants and Publishing Fee applicants, please present a non-technical abstract that includes information on the context, methods, results, and discussion of your research. A good abstract should include a clear, succinct, and readily understandable explanation of the work to be presented. It should neither be a technical abstract nor inappropriately brief. For Professional Development and Non-Presenting Conference applicants, please write about the expected output and application to your graduate research instead. Give your justification for this experience (i.e., explain why you cannot receive this experience through a course at UF, etc.) and describe in detail the type of activity you will provide if you receive this award (selected under "Type of Presentation" above). (300 word maximum)

Energetic compensation can occur when declines in energy use from some species in an assemblage are offset by gains from others. When observed, energetic compensation is consistent with a zero-sum competitive dynamic, and renders assemblage-level function resilient

to species' fluctuations. When compensation is mediated by niche structure, it is contingent on the degree to which the species present in an assemblage are functionally substitutable. If species differ in their responses to changing conditions over time, shifting conditions may modulate the degree of redundancy between species and cause compensation to be variable over time – even within a single assemblage. Some of the strongest evidence of energetic compensation has come from long-term experiments on the

rodent community near Portal, AZ. Since 1977, kangaroo rats have been excluded from experimental plots. Partial energetic compensation from smaller granivores was observed immediately, and near-complete compensation occurred beginning in 1996, with the establishment

of the functionally analogous *Chaetodipus baileyi*. We used long-term temporal analysis of the experiment to explore whether the historically documented energetic compensation persisted despite major transitions in the habitat and rodent community over time.

We found that, since 2010, total energy use on kangaroo rat exclosure plots declined to ~40% that on controls, compared to 70% from 1996-2010 and 24% before 1996. This coincided with a precipitous decline in *C. baileyi*. While kangaroo rat removal now results in a smaller decline in total energy use than at the beginning of the study, this is due to a sitewide increase in small granivore energy use rather than increasing compensation from species other than the now-scarce *C. baileyi*. Our results highlight that energetic compensation is a dynamic, contingent phenomenon. Assemblage-level resilience to species loss, and zero-sum competitive dynamics, may therefore be temporary and most detectable over long temporal scales – in this case, spanning decades.

Proposed Budget

Please provide a detailed budget, including flight/travel information (if applicable) with specific numbers and vendor information.

★

Example of one line item: rental car; Avis, \$41.01/day x 5 days = \$205.05, etc.


Nonmember student registration = \$110 Abstract submission fee = \$60, but already paid for.

Supplementary information about your application (optional)

My TA is still being processed, but I'm sending the one I submitted :)

If traveling for a conference or for professional development, please upload a PDF of your approved travel authorization. Please include your last name in the file name.

Submitted files

 Diaz_TA_ESAMeetingVirtual - Renata Diaz.pdf

If applying for reimbursement of academic publishing fees, please upload a

PDF of your acceptance letter. Please include your last name in the file name.

No files submitted

Certification of Honest Answers *

I hereby certify that I have answered all questions truthfully, to the best of my ability.

☒ Yes

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