



**Calder Summer Undergraduate Research (CSUR) Program
Louis Calder Center - Biological Field Station**



FORDHAM UNIVERSITY

Summer 2024 - Application Form

Personal Data

Name:		
Street Address:		
Town:	State:	Zip Code:
Phone:	Email:	
Date of Birth:		
Highest college level <u>completed</u> (as of May of 2024): Freshman Sophomore Junior Senior		
When do you expect to graduate?		
Gender:	Race/Ethnicity:	
Do you plan to bring a vehicle to the station?		
Do you plan to live at the station over the summer?		

Training

Universities or Colleges Attended	Current:	
	Other:	
Biology, chemistry, or other relevant courses taken. <i>Unofficial transcripts may be attached</i>	Course	Grade
Major:		
Total GPA:	out of	
Major GPA:	out of	
How did you learn about our program?		

Other Experience.

List other relevant experience, such as laboratory research, employment, or outdoor experience and interests.

Personal Interest. (Extra space is available on page 5, or use an extra sheet if necessary)

Describe your reasons for applying to the Calder Undergraduate Research Program. Specifically,
- What do you hope to get out of the program? How do you expect that this research experience will affect your career? Why are you interested in the field of ecology?

Research Interests. Below are listed our offering of potential research areas. Indicate in the empty boxes your top three research interests, by number, **from 1 to 3 (1 = strongest interest)**.

	<p><u>Vector Ecology Lab.</u> PI -<i>Thomas Daniels, PhD & Richard Falco, PhD</i></p> <p>Our research interests include the population ecology of ticks and the investigation of novel ways of controlling ticks, the activity and spread of the Asian longhorned tick, and the ecology of other invasive mosquito species.</p>
	<p><u>Archival Genomics Lab.</u> PI -<i>Evon Hekkala, PhD and CoPI - Mai Fahmy, PhD</i></p> <p>Species diversity through new lenses. This research will engage in new methods for surveying historical and recent species diversity in crocodylians and their communities using archival and environmental sampling from ancient Egypt and Madagascar.</p>
	<p><u>Plant Ecology and Evolution Lab.</u> PI - <i>Steven Franks, PhD</i></p> <p>Our lab investigates natural selection and contemporary evolution in response to climate change, stress adaptation in natural and crop populations, and population and evolutionary genomics.</p>
	<p><u>Plant and Microbial Community and Ecosystem Ecology Lab.</u> PI - <i>J.D. Lewis, PhD</i></p> <p>Our lab investigates human effects on the environment, including urbanization, invasive organisms, climate change and habitat fragmentation.</p>
	<p><u>Ecology of Algae in Lakes and Rivers Lab.</u> PI - <i>John Wehr, PhD</i></p> <p>Our lab is investigating the effects of variation in river flow and hydro dam operations on the base of the aquatic food web and their consumers in the Colorado River, the causes and impacts of harmful algal blooms in New York lakes and their effects of phytoplankton biodiversity, and the factors affecting the presence and abundance of nuisance diatoms known as "didymo" or "rock snot" in New York State streams.</p>

Personal Interest – Extra Space.

A large, empty rectangular box with a thin black border, occupying most of the page. It is intended for the user to write their personal interests.

References

Provide the names, phone numbers, *and email addresses* of two references who can comment on your ability as a student or your potential as a researcher.

1.

2.

Signature (Type your full name)

Date

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Send your completed
application
electronically by
March 11, 2024 to:

REUatCalder@fordham.edu

When submitting application rename Word document by adding your first initial and last name before the original file name. For example: Jane Smith

JSmithCSUR2024application.doc

It is strongly preferred that the application be submitted electronically.

If you are unable to do so, send application to:

**CSUR Program 2024: Louis Calder Center - Biological Field
Station** Fordham University, 31 Whipoorwill Road, PO Box 887
Armonk, NY 10504, USA