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

F O R D H A M U N I V E R S I T Y

Summer 2025 - Application Form

Personal Data

Name:			
Street Address:			
Town:	State:	Zip Code:	
Phone:	Email:		
Date of Birth:			
Highest college level completed (as of May of 2025):	☐ Freshman	☐ Sophomore	☐ Junior ☐ Senior
When do you expect to graduate?			
Gender: Select from drop down menu	Race/Ethnicity: Which of the following best describes you?		
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. ***Unofficial transcripts may be attached***	**Course**	**Grade**
Major:		
Total GPA:	out of 4.0	
Major GPA:	out of 4.0	
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***).

	Vector Ecology Lab. PI -*Thomas Daniels, PhD & Richard Falco, PhD* Our research interests include the population ecology of ticks, the activity and spread of the Asian longhorned tick, and the ecology of other invasive mosquito species
	Plant Ecology and Evolution Lab. PI - *Steven Franks, PhD* 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.
	Forest Conservation and Management Lab. PI -*Chomri Khayi, MS* Our research group investigates the impact of land-use history and management practices on forest carbon dynamics in NY.
	Plant and Microbial Community and Ecosystem Ecology Lab. PI - *J.D. Lewis, PhD* Our research investigates human effects on the environment, including urbanization, invasive organisms, climate change and habitat fragmentation.
	Wildlife Ecology and Forestry Lab. PI - *Chris Nagy, PhD* This project aims to to refine and validate camera trap-based methodologies for estimating white-tailed deer density, providing land managers with practical and cost-effective monitoring tools. Building upon the "Instantaneous Sample" and "Space-To-Event" methods developed by Moeller et al. (2018), this project will focus on developing streamlined protocols suitable for broad implementation.
	Ecology of Algae in Lakes and Rivers Lab. PI - *John Wehr, PhD* Our research investigates (1) 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, (2) the chronic effects of road salt use on the biota of New York State streams, and (3) factors affecting the presence and abundance of nuisance diatoms known as "didymo" AKA "rock snot", in NYS rivers.

Personal Interest – Extra Space.

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**

Send your completed application electronically by March 17, 2025 to:

REUatCalder@fordham.edu

When submitting application rename PDF document by adding your first initial and last name before the original file name. For example: Jane Smith **JSmith**CSUR2025application.PDF

It is strongly preferred that the application be submitted electronically.

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

CSUR Program 2025: Louis Calder Center - Biological Field Station Fordham University, 31 Whippoorwill Road, PO Box 887
Armonk, NY 10504, USA