

FROM THE FIELD TO THE LAB

SUMMER RESEARCH EXPERIENCE IN THERMAL BIOLOGY

THERMOFLY.ORG

How do organisms cope with extreme temperatures? Join our research investigating thermal tolerance in *Drosophila melanogaster* and its wild relatives. Gain hands-on experience in ecology, physiology, and genetics, while learning team-work and collective problem solving through data analysis workshops.



TEETS LAB
University of Kentucky
Lexington, Kentucky

- Critical thermal limits
- Evolutionary biology
- Plasticity



WATERS LAB
Providence College
Providence, Rhode Island

- Metabolic rates
- Brain dissection
- Thermal performance



AXEN LAB
Salve Regina University
Newport, Rhode Island

- Field collecting
- Ecology
- Local adaptation



CAHAN/FRIETZE LABS
University of Vermont
Burlington, Vermont

- Epigenetics
- Sequencing
- Gene expression



Applications due March 15, 2020
Apply online: www.thermofly.org

Program dates: 8-weeks; May 31-July 31, 2020

Eligibility:

College undergraduate students who attend one of our host institutions OR who are residents of EPSCor jurisdictions including: Alabama, Alaska, Arkansas, Delaware, Guam, Hawaii, Idaho, Iowa, Kansas, Kentucky, Louisiana, Maine, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New Mexico, North Dakota, Oklahoma, Puerto Rico, Rhode Island, South Carolina, South Dakota, Vermont, Virgin Islands, West Virginia, or Wyoming.

Compensation:

Students will be compensated with a competitive stipend and housing will be provided.

Housing:

Housing on-campus may be available.

Host institution:

In the application, students are asked to rank their preference for the host institution/lab where they would like to be located.

Mentoring/training:

We are committed to mentoring and training students engaged in this project.

Former experience:

No specific former expertise or research experience is required, all are welcome to apply.

