

Graduate Positions Available

Research Area: Insect Physiology and Genomics
Position Title: Graduate Assistantships

INSECT CRYOBIOLOGY



& ECOPHYSIOLOGY

New Mexico State University, Las Cruces, NM

Department of Biology

North Dakota State University, Fargo, ND

Department of Biological Science, Department of Computer Science

University of Wyoming, Laramie, WY

Department of Animal Science, Department of Chemistry, Department of Zoology & Physiology

Description: Full-time Graduate Research Positions (PhD or Masters) are available beginning Summer/Fall 2019

North American bees spend most of their lives overwintering in a physiological state that protects them from the damage caused by low temperatures. Our research focuses on the following bee species: the alfalfa leafcutting bee (*Megachile rotundata*), the blue orchard bee (*Osmia lignaria*), the bumble bee (*Bombus impatiens*) and the honey bee (*Apis mellifera*). We are recruiting graduate students to contribute to research on the following: how genomic variation contributes to phenotypic variation in overwintering, how physiological responses to cold temperatures are regulated by gene expression, and how cold stress affects adult performance. Students will participate in the research and professional development activities of the Insect Cryobiology and Ecophysiology (ICE) Network. The ICE Network brings together experts in genomics, gene regulation, physiology, and ecological modeling from land-grant universities (North Dakota State University, University of Wyoming and New Mexico State University) and scientists from the USDA Agricultural Research Service.

To see what some of our current students are up to, visit www.icenetworkfargo.wordpress.com and follow us @ColdBugLife

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Contact: To be considered for this position, send a *C.V.*, contact information for *three references* and a *one-page cover letter* describing research interests and background (use email subject line: “Grad Position: ICE Network”). Interested candidates should contact an advisor directly.



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