

COLE R. JULICK

Evolution, Ecology, and Behavior - School of Biological Sciences
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EDUCATION

University of Nebraska-Lincoln
PhD in Biological Sciences
Evolution, Ecology and Behavior *In progress*

Indiana University, Bloomington
B.S in Biology
Area Certificate in Animal Behavior *2014*

RESEARCH EXPERIENCE

University of Nebraska-Lincoln
Dr. Kristi Montooth Lab
Research Assistant *2014-present*

Indiana University, Bloomington
Dr. Kristi Montooth Lab
Undergraduate Research Assistant *2013-2014*

RESEARCH INTERESTS

My research interests lie in the field of evolutionary genetics. I am interested in how physiologies evolve and the roles that genetic and biochemical pathways are playing in physiological adaptation. I am also interested in how plasticity in gene expression mediates organismal responses to environmental change.

PUBLICATIONS

Lockwood, B. L., **Julick, C.R.**, Montooth, K.L. (2017) Maternal loading of a small heat shock protein increases embryo thermal tolerance in *Drosophila melanogaster*. J. Exp. Biol. *Submitted* *2017*

Hoekstra, L.A., **Julick, C.R.**, Mika, K.L., Montooth, K.L.
Energetic Demand Determines the Expression of a Mitochondrial-Nuclear Incompatibility in *Drosophila*. *In prep for Evol. Letters* *2017*

PRESENTATIONS

Genetics Society of America, *Drosophila* Conference, Chicago, IL
Ontogeny of Metabolic Rate and Mitochondrial Physiology in
Drosophila (poster) **2015**

Society for the Study of Evolution Conference, Austin, TX
Metabolic Physiology of *Drosophila* Across Larval Development
(poster) **2016**

UNL SBS EEB Seminar (talk) **2016**

Society for the Study of Evolution Conference, Portland, OR
Physiological Plasticity and Divergence in Migrating vs Non-
migrating Monarch Butterflies (poster) **2017**

PROFESSIONAL SOCIETY AFFILIATIONS

Genetics Society of America
American Association for the Advancement of Science
Society for the Study of Evolution

GRANTS AND AWARDS

Blair Paxton Udale Fund for Life Sciences

WORKSHOPS

Sable Systems International, Las Vegas, NV
Metabolic Measurement Course **2016**

TEACHING ACCOMPLISHMENTS

Biology 101 Lab **Fall 2016**
Biology Life 120 Lab **Fall 2017**

OUTREACH EXPERIENCE

Sunday with a Scientist
The University of Nebraska State Museum
Topic: Wing Evolution

Spring 2016

Investigate
The University of Nebraska State Museum
Topic: Galapagos Island Finches

Spring 2017

PROFESSIONAL SERVICE

UNL Undergraduate Research Fair
Graduate Student Judge

Spring 2017