

Drew Little

3645 Wellborn road, Bryan, Texas, 77801

(210) 865-3365

drewlittle@tamu.edu

EDUCATION

Bachelor of Science, Biology with Biology Honors
Texas A&M University, College station, TX, USA

August 2016 - May 2020

- GPA: 3.7

RELEVANT COURSES

Integrated Animal Behavior
Principles of Genetics
General Entomology
Honors Introductory Biology I & II
Honors Molecular Cell Biology
Honors Genes Ecology and Evolution
Honors Technical Business Writing
Organic Chemistry I & II
Biochemistry I & II

RESEARCH

Undergraduate researcher

November 2016 - Present

Song lab of Systematics and Evolution, College Station, TX, USA

Projects I am Involved in

- A logistic regression model to predict phase in the locust *Schistocerca piceifrons*
- A timecourse of gregarization and solitarization in the non-swarming grasshopper *Schistocerca americana* and the swarming locust *Schistocerca piceifrons*
- Identifying the stimuli involved in gregarization in *Schistocerca piceifrons*
- Characterizing the gregarization density of *Schistocerca piceifrons*
- Behavioral variation in a cross between a locust and a non-swarming grasshopper
- Using dsRNA as a biopesticide in Mormon crickets: field trip to Idaho

Field work

- Collected specimens of Mormon cricket in Idaho and then performed a ten day trial where individuals were injected with various dsRNA with the intention of knockdown of vital genes to observe any ill effects

PRESENTATIONS

Ecological Integration Symposium, College Station, Texas, USA. March 2018. **Little, D.**, Foquet, B., and H. Song. A multiple regression model to predict phases of *Schistocerca piceifrons*

Student Research Week, College Station, Texas, USA. April 2018. **Little, D.**, Foquet, B., and H. Song. Analysis of phase-related behavior in the locust *Schistocerca piceifrons* (Orthoptera: Acrididae: Cyrtacanthacridinae)

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66th annual meeting of the Entomological Society of America, Vancouver, Canada. November 2018.

Little, D., Foquet, B., and H. Song. Analysis of phase-related behavior in the locust *Schistocerca piceifrons* (Orthoptera: Acrididae: Cyrtacanthacridinae)

PUBLICATIONS

Kilpatrick, S., Foquet, B., Castellanos, A., Gotham, S., **Little, D.**, and H. Song. 2019. Revealing hidden density-dependent phenotypic plasticity in sedentary grasshoppers in the genus *Schistocerca* Stål (Orthoptera: Acrididae: Cyrtacanthacridinae). *Journal of Insect Physiology*. doi:10.1016/j.jinsphys.

FELLOWSHIPS/GRANTS

NSF REU Summer 2017

Research Experience for Undergraduates, federal grant providing stipend to conduct research under Dr. Hojun Song at Texas A&M University

NSF REU Summer 2018

Research experience for undergraduates, federal grant providing stipend to conduct research under Dr. Hojun Song Texas A&M University

REU travel grant September 2018

Funding to attend the ESA 2018 conference in Vancouver allocated for travel, food, and accommodations

SKILLS AND CERTIFICATIONS

Performing and analyzing behavioral assays with Ethovision

Public Speaking

Experiment Design

DNA Extraction

acquainted with RNA extraction

Data Interpretation

Micro Pipetting

Experienced in Microsoft Office

Trained in Vertical Descent and Ascent of Caves

MEMBERSHIPS

Entomological Society of America

2018 - Present

VOLUNTEER AND EXTRACURRICULARS

Aggie Speleological Society

2018 - Present

Editor in Chief for the Aggie Grotto

2019 - Present