



**INTEGRATIVE  
BIOLOGY  
SEMINAR**

**Fall 2019  
Tuesday, Noon,  
SLB 121**

| <b>Date</b>  | <b>Speaker</b>  | <b>Title</b>   |
|--------------|---|--|
| 27 August    | Rachel Sparks<br>(Darner lab)   | Restructuring introductory biology to increase conceptual understanding of evolution   |
| 03 September | Kevin Edwards   | ISU's microscopy core: what can Rainbow Lightning Falcon do for you?   |
| 10 September | Shana Border<br>(Dugas lab)   | Oxidative stress and social hierarchy in a cichlid fish  |
| 17 September | Abe Martinez (REU)<br>(Sadd lab)<br>Amanda Klingler<br>(REU-Darner & Mortimer Labs) | A cell-free protein synthesis system for Cyanobacteria<br><br>Taking things personally; the relationship between individual exploratory behavior and prey capture behavior in a jumping spider varies across a thermal range |
| 24 September | Matthew Dugas   | Updates from the Dugas lab   |
| 01 October   | Bekky Darner & Saad El-Zanati   | REU proposal discussion  |
| 08 October   | Kate Evans<br>(Juliano lab)   | Overcompensation: a tale of three species, three states, and three seasons   |
| 15 October   | Austin Calhoun<br>(Sadd lab)  | Investigating the multiple stressor hypothesis of a microsporidian parasite and fungicide on bumble bee health   |
| 22 October   | Kylie Hampton<br>(Sakaluk & Sadd labs)  | It's not you, it's me...or is it both? An interaction between male and female genotype on female post-mating immunity  |
| 29 October   | Pooja Kadaba Ranganath<br>(N. Mortimer lab)   | Investigating the JAK-STAT cross-talk mechanisms in <i>Drosophila melanogaster</i> immune cells  |
| 05 November  | Rachel DiSciullo<br>(Sakaluk & Thompson labs)                                       | Determining total sexual selection on male song in northern house wrens  |
| 12 November  | Laurel McGinnis<br>(Perry lab)  | Microplastic distribution during flood events  |
| 19 November  | Kristin Duffield<br>(Sadd & Sakaluk labs)   | Food, love, and war: nutrition determines reproductive effort in male crickets when threatened with infection  |
| 26 November  | Thanksgiving  | No Seminar   |
| 03 December  | Nick Rhoades<br>(Hammond lab)   | Identification and characterization of <i>rfk-1</i> , a meiotic driver influenced by RNA editing in <i>Neurospora</i>  |

