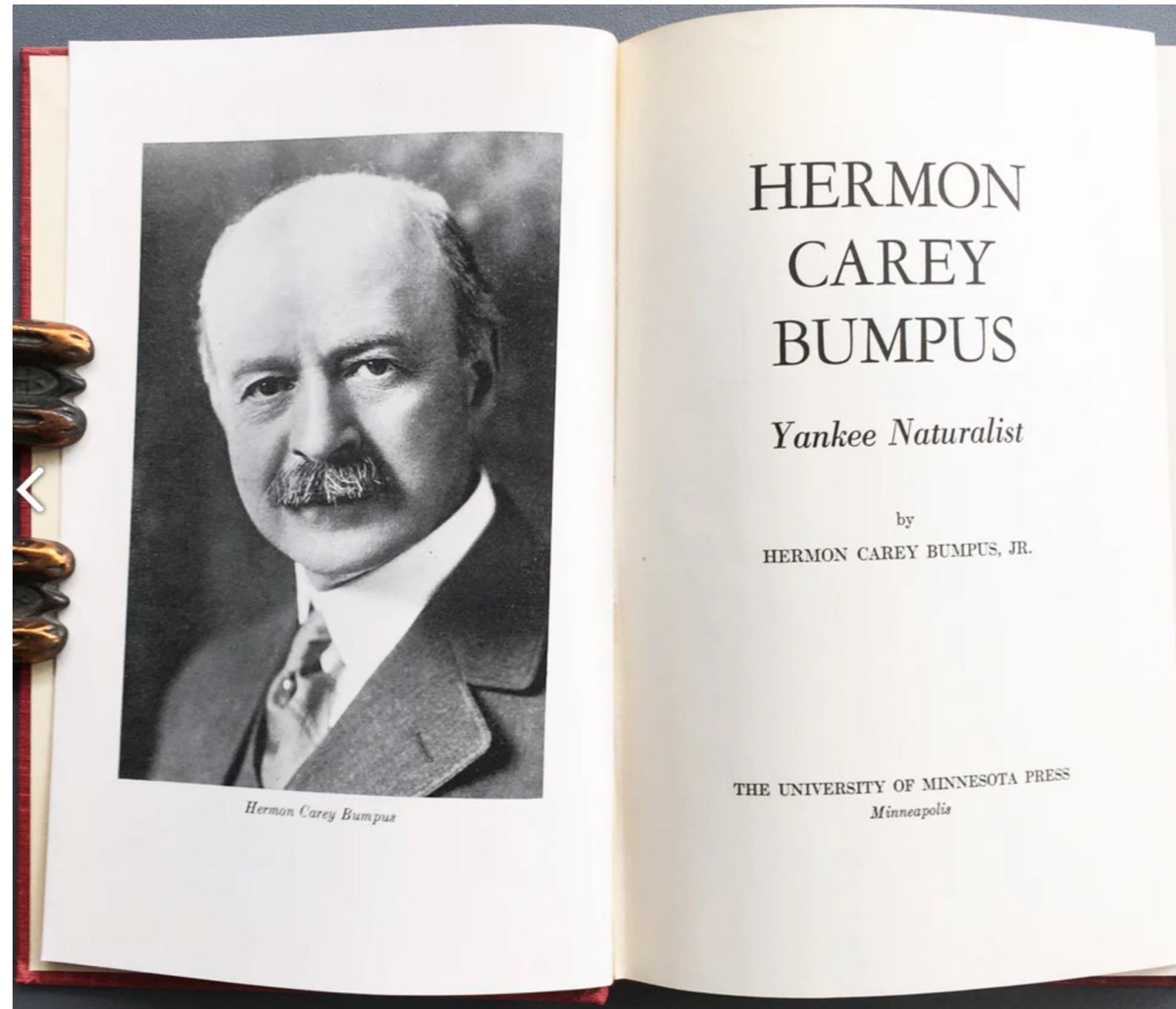


# BUMPUS SYMPOSIUM 2023



## Why BUMPUS?

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**Hermon Carey Bumpus** (1862-1943) was the recipient of the first Ph.D. degree from Clark University.

The **BUMPUS SYMPOSIUM** honors his legacy by providing an opportunity for Biology and BCMB graduate students to present their research to the Clark Community

# BUMPUS SYMPOSIUM 2023

## Program at a glance

**1:30-2:15 PM**

**First Session**

**12-Minute Talks  
(Lasry B237)**

**2:15-2:45 PM**

**Second Session**

**5-Minute Talks  
(Lasry B237)**

**3:00-4:00**

**Third Session**

**Posters (Atrium)**

# BUMPUS SYMPOSIUM 2023

## First session (12-minute talks)

1:30-1:45

**Deb Robertson**  
(Department Head)

Opening Remarks

1:45-2:00

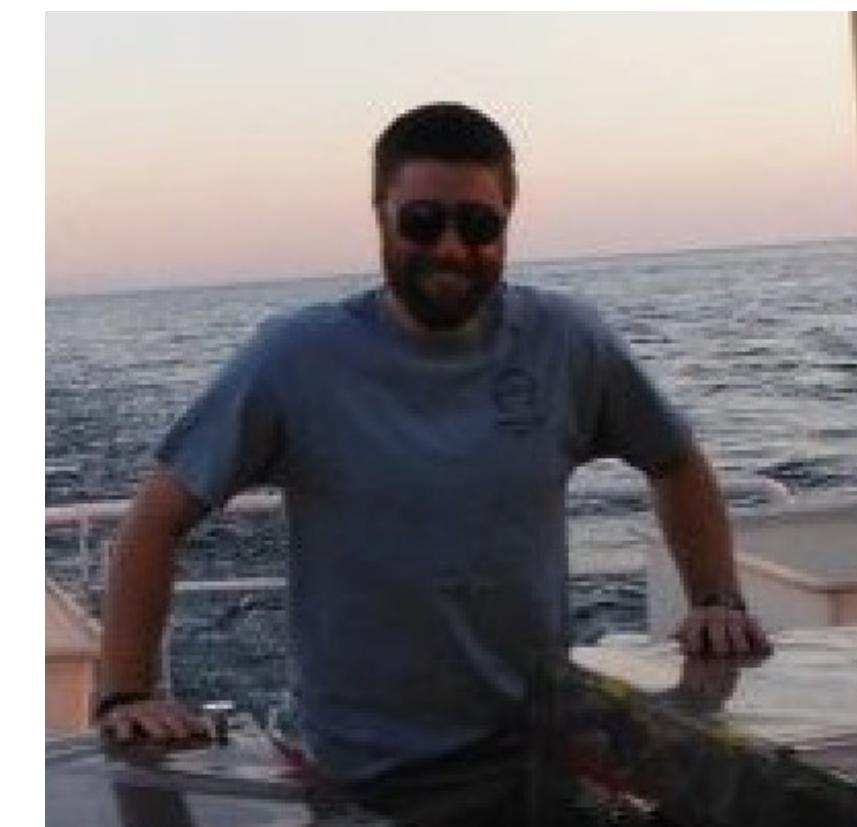
**Mahima Gupta**  
(Ph. D. Student, Dresch  
Lab)

Investigating the function of co-activating  
enhancers in early *Drosophila*  
development

2:00-2:15

**Shafer Belisle**  
(Ph. D. Candidate,  
Ahlgren Lab)

Evaluating the Photosynthetic  
Community Response to In-Situ Iron  
Bottle Experiments



**Shafer Belisle**  
(Ph. D. Candidate)



**Mahima Gupta**  
(Ph. D. Student)

# BUMPUS SYMPOSIUM 2023

## Second session (5-minute talks)

2:15-  
2:20

**Daley O'Keefe**

(Ph. D. Student, Mathis lab)

2:20-  
2:25

**Max Olson**

(Ph. D. Student, Bergmann  
lab)

2:25-  
2:30

**Anna Le**

(M. Sc. student, Mathis lab)

An update on the survey of  
*Myrmica rubra*

Evolution of specialized  
burrowing skulls in a clade of  
lizards

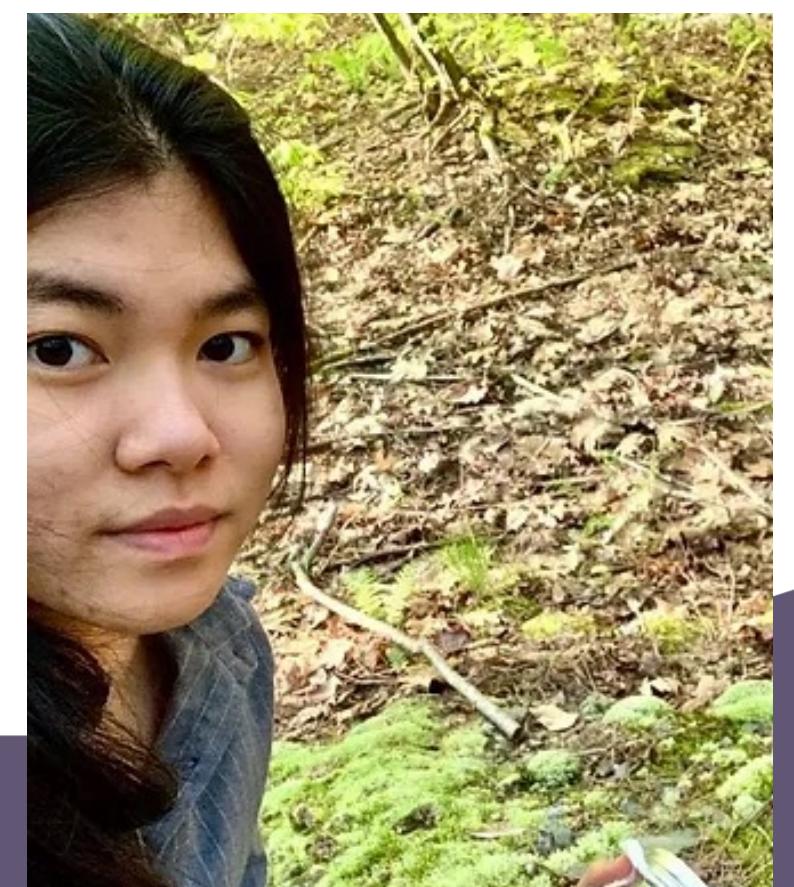
Sympatric North American  
acorn-nesting ant species  
possess distinct gut  
microbiomes



**Daley O'Keefe**



**Max Olson**



**Anna Le**

# BUMPUS SYMPOSIUM 2023

## Second session (5-minute talks)

2:30-     **Johnny Davila-Sandoval**  
2:35     (Ph. Student, Meyer lab)

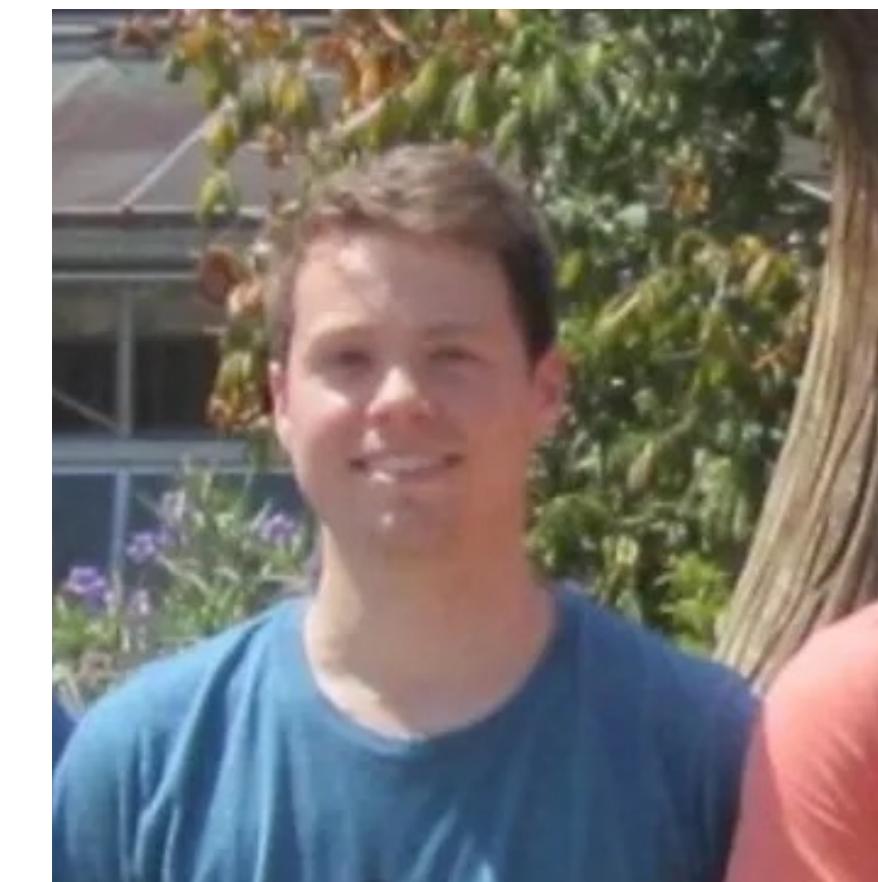
2:35-  
2:40     **Thomas Roehl**  
(Ph. Student, Hibbett lab)

2:40-  
2:45     **Joe Nelsen**  
(Ph. Student, Mathis lab)

Transcriptomics approach in  
neural induction of the  
ventral nerve cord of  
*Capitella teleta*

Phenology and occurrence  
differ by sporocarp  
morphology in *Lentinus*  
*tigrinus*.

Extrafloral nectar and insect  
communities in  
agroecosystems



**Joe Nelsen**



**Thomas Roehl**



**Johnny Davila-Sandoval**

# BUMPUS SYMPOSIUM 2023

## Poster Session (3:00-4:00 PM Atrium)

**Achyuthan Needamangalam Srikanthan**  
(Ph. D. Candidate, Bergmann Lab)

**Prasanth Prabhu**  
(Ph. D. Candidate, Hibbett Lab)

**Liam Cleary**  
(Ph. D. Student, Hibbett Lab)

**Max Leslie**  
(M. Sc. Student, Bergmann Lab)

**Tatiana Schmid**  
(M. Sc. Student, Meyer Lab)

**August Raymond**  
(M. Sc. Student, Thackeray Lab)

**Manning DelCogliano**  
(M. Sc. Student, Ahlgren/Tabima Lab)

**Emma McLellan**  
(M. Sc. Student, Bergmann Lab)

**Tessa Allan**  
(M. Sc. Student, Meyer Lab)

**Sara Wheeler**  
(M. Sc. Student, Tabima Lab)

**Sofie Irons**  
(M. Sc. Student, Hibbett/Tabima Lab)

Scale microstructure evolution in an island radiation

Organic nitrogen inhibits the facultative nematophagy by *Hohenbuehelia mastrucata* (FR.) Singer

Sequencing and de novo assembly of four novel *Basidiobolus* genomes

The Influence of Vertebral Allometry on the Evolution of Body Proportions in Giant Salamanders

Charaterization of the developing ventral midline in the bilaterian annelid *Capitella teleta*

Mutagenesis of *Drosophila* to Generate PLC-gamma Activating Mutations

A study of bacteria over a gradient in Worcester's waterway

The Effect of Lizard Morphology on Swimming Kinematics

Function of FGF signaling in neural and mesodermal specification in the annelid *Capitella teleta*

The role of urbanization in fungal diversity associated with amphibians: the Worcester, MA waterway

*Lentinus tigrinus* dimorphism: sampling, population genetics, assortative mating.