

UConn | COLLEGE OF LIBERAL
ARTS AND SCIENCES

MOLECULAR AND CELL BIOLOGY



**M
C
B**

**2021 GRAD
RECRUITMENT**

February 5, 2021

The MCB Department

Molecular and Cell Biology



Knowledge from Cover to Cover



Michael Lynes
Department Head



Joerg Graf
Associate Dept. Head for Graduate
Education and Research



Adam Zweifach
Chair of Admissions



Recruitment 2021- Webcast



**2021 GRAD
RECRUITMENT**

UConn | COLLEGE OF LIBERAL
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MOLECULAR AND CELL BIOLOGY

PROGRAM RESOURCES QUESTIONS LAB POSTERS HELP

PROGRAM

MCB 2021 Graduate Student Online Visit
February 5, 2021, 11:00am

Pre-Event Links

[Aerial Campus Tour](#)
[Research Promo Video](#)
[MCB Lab Tour](#)
[Grad Student's Turbo Talks](#)

11:00am Introduction to MCB and PhD Program Overview Meeting

Dr. Michael Lynes, Department Head
Dr. Adam Zweifach, Admissions Committee Chair
Dr. Joerg Graf, Associate Department Head of Graduate Research and Education
Dr. Leighton Core, Recruitment Committee Chair
Dr. Spencer Nyholm, MCB Diversity and Inclusion Chair
Beth Herder, UConn Women in Science President

11:45am GO:MCB Presentation

Kathleen Kyle, President
Patrick Grady, Treasurer

12:00pm Lunch Break

12:20pm MCB Research Seminars

Jacob Kellermeier, Heaslip Lab
"Tropomyosin controls vesicular transport mechanisms"

PLAYER





Layout

Breakout session list

Host has started sessions, choose one session to join.

- ▼ Alder Lab (1) [Join](#)
 - NA Nathan Alder
- ▼ Alexandrescu Lab (2) [Join](#)
 - A Andrei
 - BG Ben Garrett
- ▼ Campellone Lab (2) [Join](#)
 - CS Caroline Vieira Da Silva
 - KC Ken Campellone
- ▼ Cole Lab (2) [Join](#)
 - JC James Cole

MCB Graduate Student Recruitment Faculty Interviews

Viewing MCB Graduate S...

Click 'Participants' on the right of the screen and then 'Show All Sessions'

Please find the room for your first assigned interview

You will receive a notification when 5 minutes are left of interview time

A 2nd notification will alert you to finish interview and move to next room

Please do not enter your next interview until your exact assigned time

If you have any trouble, please message the hosts in the CHATBOX on the right.

UConn MCB Grad Recruitment: Poster Session



Adler Lab	Arnesen Lab	Cantelmo Lab
Cox Lab	Ernst Lab	Gage Lab
ELEVATORS		
EXIT		

May Lab	Melrose Lab	Nelson Lab	Nyfors Lab
M. O'Neill Lab	R. O'Neill Lab	Toukles Lab	Zandvack Lab
ELEVATORS			
EXIT			

Dagster Lab	Goldman Lab	Heck Lab
Harris Lab	Hill Lab	Hoover Lab
ELEVATORS		
EXIT		

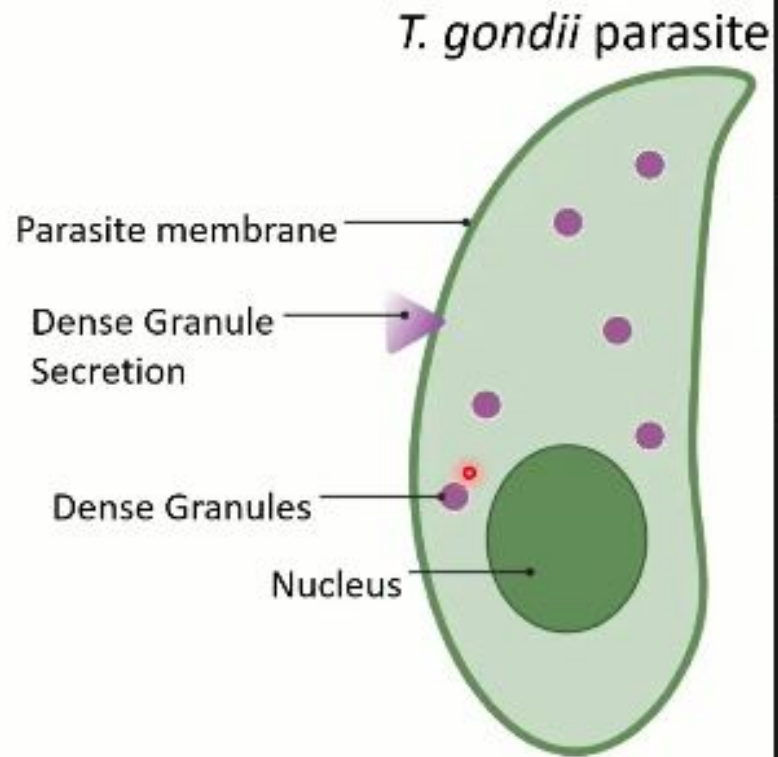
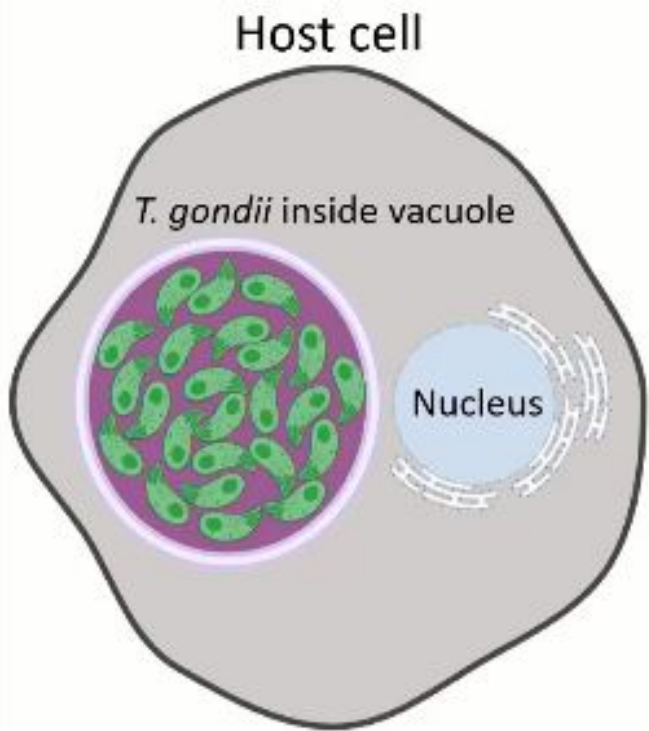
MCB Recruitment Grad Student Seminars

Toxoplasma gondii vesicular transport mechanisms

Heaslip Lab
Jacob Kellermeier
3rd year PhD



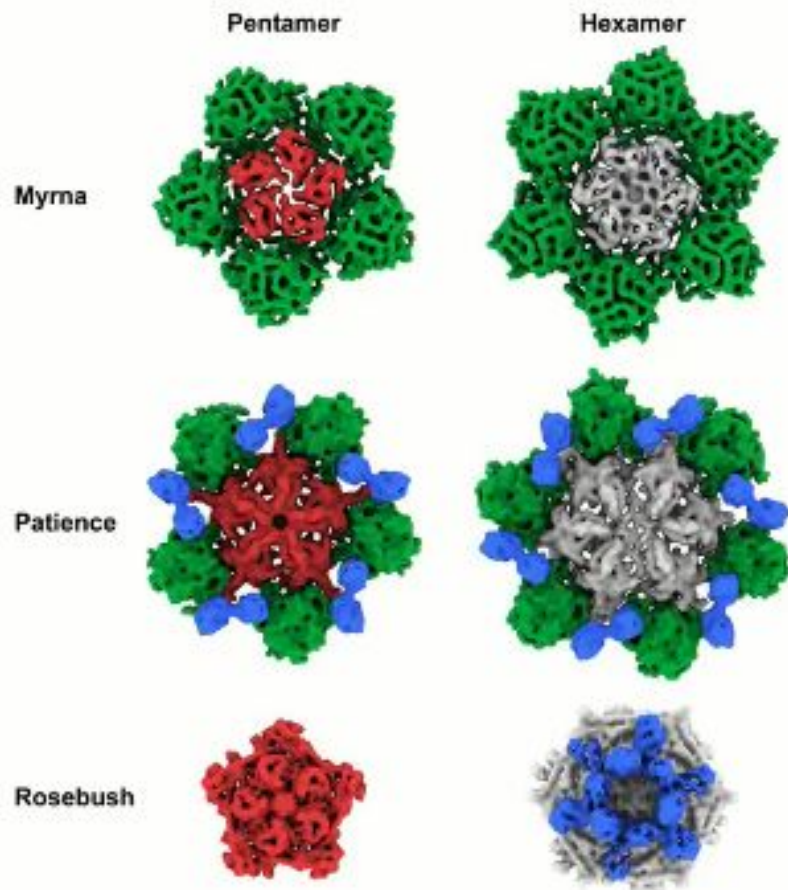
T. gondii depends on specialized secretory organelles



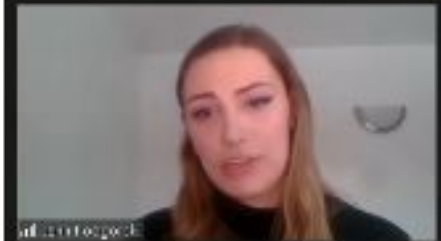
Actinobacteriophage: Novel Accessory Proteins and Controlling Capsid Size

Jenn Podgorski
SB3
2/3/2021





MCP in the Pentamer
 MCP in the Hexamer
 Minor Capsid Protein
 Decoration Protein



Parent-of-Origin Specific Epigenomic Profile of the Mouse X Chromosome

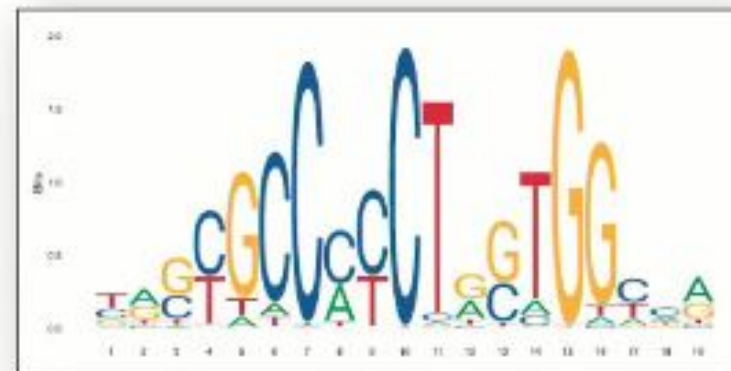
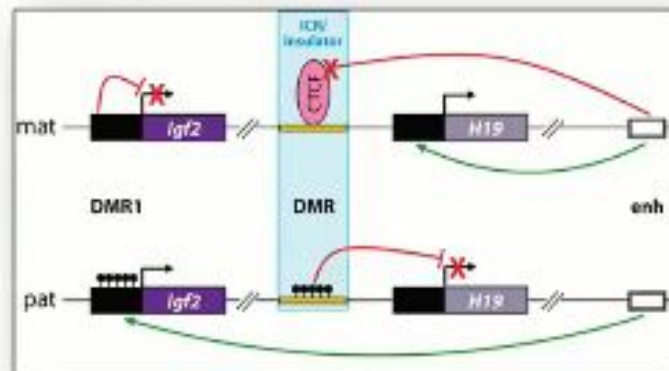
Matt Kearney

4th Year, M. O'Neill Lab

Grad Recruitment Seminar Spring 2021



Underlying DNA Sequences



- CTCF (CCCTC-binding factor)
 - Transcription factor
 - Chromatin looping factor
 - Insulator
 - Binding affected by methylation

- CTCF binding motif
 - 31 occurrences within 81 DMRs, including top 3 highest scoring



The Rise and Fall of the Hummingbird Microbiome

How Elevation Impacts the *Calypte anna*
Microbiome

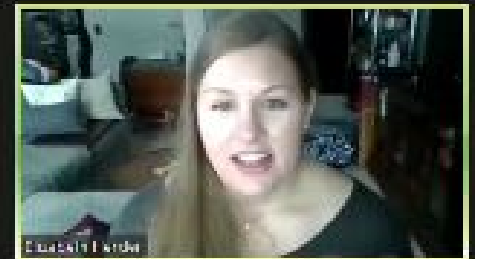
ELIZABETH HERDER

5TH YEAR PHD
CANDIDATE

GRADUATE
RECRUITMENT 2021



HiRD
LAB

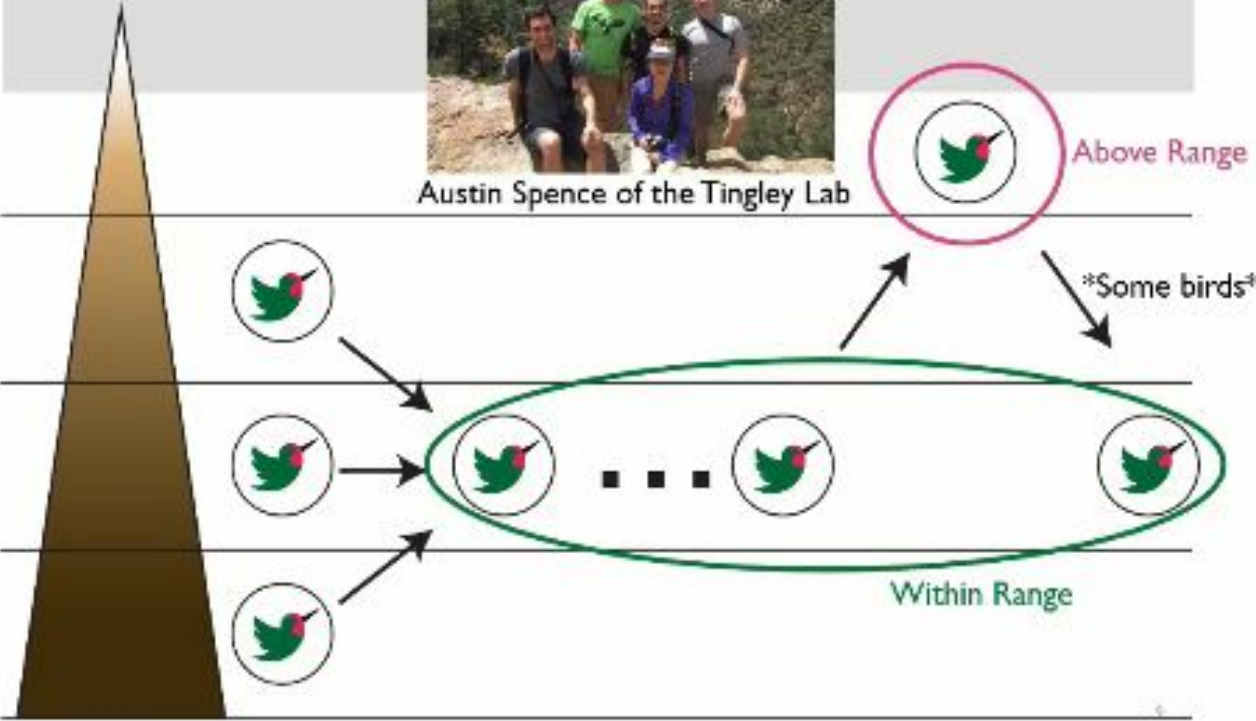


Sample collection



Austin Spence of the Tingley Lab

Elevation



Above Range

Some birds

Within Range

Date



UConn MCB Grad Recruitment: Social Gathering

