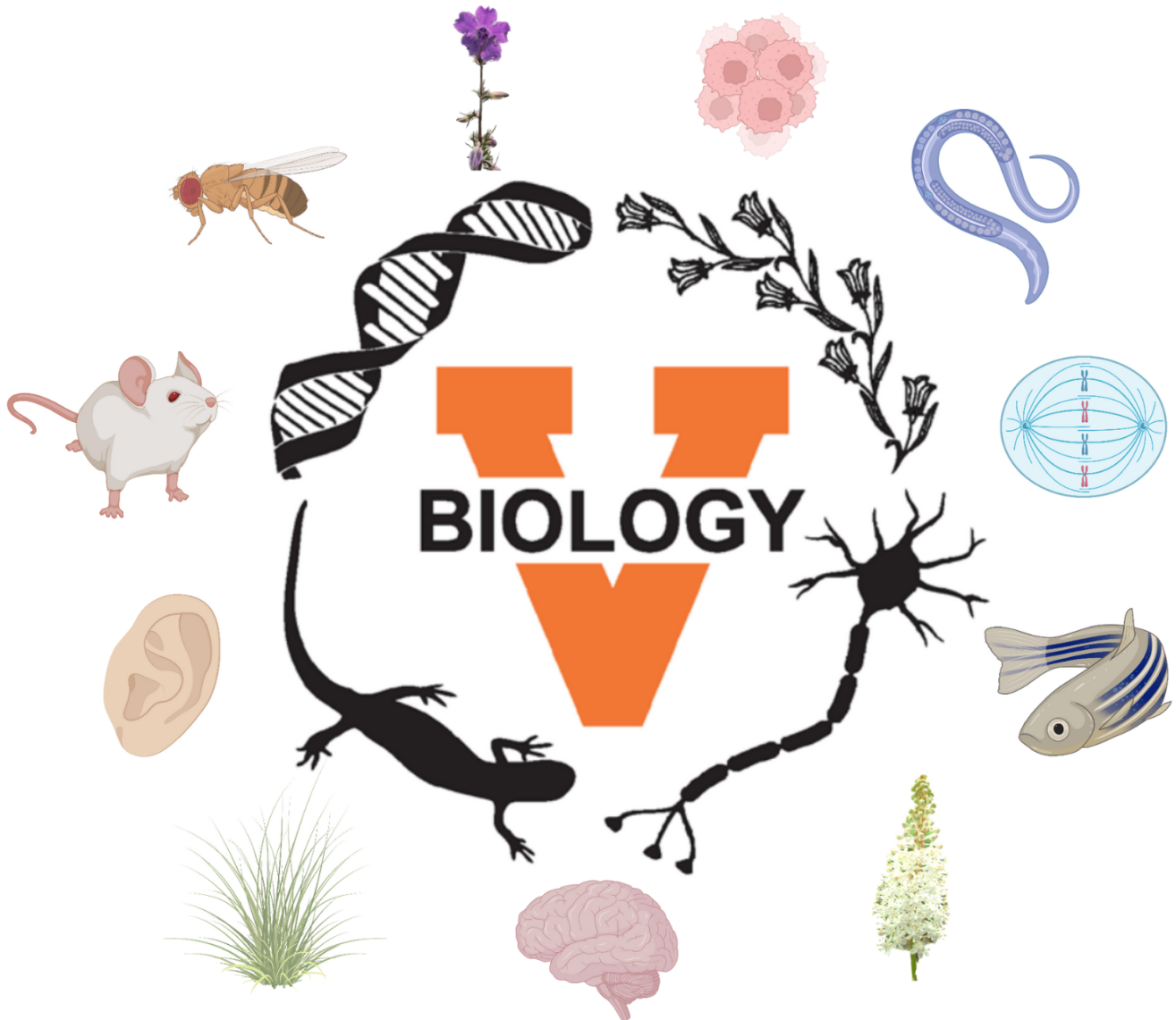


39th Annual Richard D. Katz Biology Distinguished Majors Research Symposium



Wednesday May 3, 2023
Gilmer 390 9am - 4pm
Online link: [youtube.com/watch?v=eF7i4n1RHlo](https://www.youtube.com/watch?v=eF7i4n1RHlo)

39th Annual Richard D. Katz Distinguished Majors Research Symposium

May 3, 2023 Gilmer 390 9:00 AM – 4:00 PM

Symposium will be available online at: <https://www.youtube.com/watch?v=eF7i4n1RHlo>

- 8:30 am Coffee, pastries, beverages GIL 390 Lobby
- 9:00 Welcome – Prof. Keith Kozminski, Host, 39th Annual Richard D. Katz Symposium
Prof. Mike Wormington, Director, Biology Distinguished Majors Program
- 9:15 **Laila Latifi**
Dissection of cis-regulatory elements in the C. elegans Wnt/egl-20 promoter Research advisor: Ariel Pani
- 9:30 **Victoria Feist**
Identifying variation in host defenses against infection in C. elegans Research advisor: Amanda Gibson
- 9:45 **Charan Vemuri**
The stretching of kinetochores towards the inner-centromere is insufficient to explain the recruitment of Aurora B and MCAK to Merotelic attachment sites Research advisor: Todd Stukenberg
- 10:00 **August Kahle**
Analysis of inflammation-induced glial signaling and phagocytosis by single cell mass cytometry
Research advisor: Christopher Deppmann
- 10:15 **Matthew Smith**
The role of the Afadin protein in the planar cell polarity pathway Research advisor: Xiaowei Lu
- 10:30 **Break – Refreshments, GIL 390 Lobby**
- 10:45 **Olivia Keenan**
The role of genetic drift in shaping patterns of phenotypic diversity within and differentiation between populations at the rear-edge Research advisor: Laura Galloway
- 11:00 **Nicole Freeman**
The role of somatic growth in pigment pattern development in Danio (sp) Research advisor: David Parichy
- 11:15 **Jesus Neyra**
The role of GATA3 in renin cell identity Research advisors: Ariel Gomez & Maria Luisa Sequeira Lopez
- 11:30 **Lily Kauffman**
Dorsal motor vagal neurons can suppress heart rate and anxiety-like behavior in mice Research advisor: John Campbell
- 11:45 **Daria Gundermann**
How inversion (2L)t is changing seasonal adaptation in D. melanogaster Research advisor: Alan Bergland
- 12:00 pm **Catered Lunch, GIL 390 Lobby**
- 1:00 **Cristen Huynh**
Androgen receptor phosphorylation-induced changes to transcriptional co-regulator binding Research advisor: Daniel Gioeli
- 1:15 **Keely Pattisall**
Local variation in plant resource traits affect beetle pollinator foraging Research advisor: Butch Brodie
- 1:30 **Leila Shepard**
Evolution of host defense strategies in C. elegans Research advisor: Amanda Gibson
- 1:45 **Phillip Reeves**
S. patens, D. spicata, F. rubra, and P. australis exhibit differential growth across the Chesapeake Bay marsh-forest ecotone
Research advisor: David Carr
- 2:00 **Riya Jain**
Combination therapy reduces tumor growth and metastasis in mouse models of breast cancer
Research advisor: Kumari Andarawewa
- 2:15 **Break – Refreshments, GIL 390 Lobby**
- 2:30 **Christopher Heron**
Identifying human genes involved in the nuclear retention of intron-containing HIV-1 mRNAs
Research advisor: Mary Lou Hammarskjold
- 2:45 **Caroline Tyndall**
Examining the specific interactions of cytosolic type III secretion system proteins in Y. enterocolitica
Research advisor: Andreas Gahlmann
- 3:00 **Shuwen Zhan**
Roles of differentially expressed transcribed ultraconserved regions in glioblastoma Research advisor: Roger Abounader
- 3:15 **Christopher Xie**
Oncogene-induced changes in the expression of immune modulatory proteins in tumor endothelial cells
Research advisor: Daniel Gioeli
- 3:30 **Samantha Olmsted**
Ceramide and cell metabolism: Unraveling the link between epigenetics and de novo sphingolipid synthesis in prostate cancer
Research advisor: Ted Fox
- 3:45 **Break – Determination of Katz Award Recipients**
- 4:00 **Presentation of Katz Awards & Photo Ops**