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
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 Gilmer 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, Gilmer 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 Kaufman
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, Gilmer 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, Gilmer 390 Lobby
2:30 Christopher Heron
Identifying human genes involved in the nuclear retention of intron-containing HIV-1 miRNAs
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