



Poster Presentations, June 12, 2017

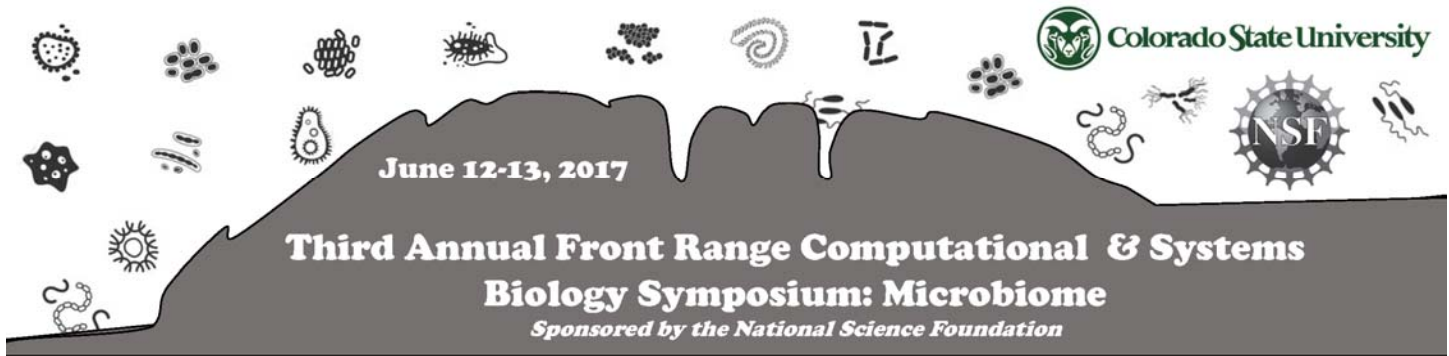
GRADUATE STUDENTS (3 PRIZES - \$100, \$75, \$50)

1. **The Impact of Competition and Salinity on The Range Limits of Two Sympatric Euryhaline Fish**
Alexander Mauro, Julián R. Torres Dowdal, Cameron Ghalambor. Colorado State University.
2. **Changes in the gut microbiome driven by stem cell healing in mouse inflammatory bowel disease**
Lyndah Chow. Colorado State University.
3. **Escherichia coli O157 shedding is associated with low diversity and absence of specific taxa within the dairy cow microbiome**
Chloe Stenkamp-Strahm, Zaid Abdo, Sheryl Magzamen, Craig McConnel, et al. Colorado State University.
4. **From wild to captive: The effect of environmental setting on gut microbiome structure in *Lemur catta***
S. Bornbusch, C. Drea. Duke University.
5. **Geometric Analysis of Gene Expression Data**
Shannon Stiverson. Colorado State University.
6. **Investigation of the genetic basis of hybrid vigor in yeast**
Nadia Sampaio and J. Lucas Argueso. Colorado State University.
7. **NGS reveals diversity and pathogens in fermented oil bean seeds (*Pentaclethra macrophylla*)**
J. Robinson, CP Okorie, FN Anike, NA Olasupo, et al. North Carolina Agricultural and Technical State University.
8. **Role of the Gut Microbiome in Obesity-Related Vascular Dysfunction**
Micah Battson, Dustin Lee, Shuofei Hou, Dillon Jarrell, et al. Colorado State University.
9. **A Methodology for Imaging Soybean Leaf Trichome Characteristics**
Therin Young, Sayed Wahid Mirnezami, Koushik Nagasubramanian, Jocelyn Jackson, et al. Iowa State University.
10. **Sex differences in Human Colon Biopsy Slices: Impacts of Oxygen and Bacteria**
Luke Schwerdtfeger, Hend Ibrahim, Starin Mckeen, Elizabeth Ryan, et al. Colorado State University.
11. **Effects of in-feed administration of a yeast supplement on the liver abscess and fecal microbiome and resistome in natural-branded beef cattle**
KL Huebner, JN Martin, MD Weinroth, KH Holzer, et al. Colorado State University.
12. **Automated Sample Preparation for Lab on Chip Devices**
Nicholas Grant, Tom Chen. Colorado State University.
13. **Can fecal samples be used to inform about microbial communities of the equine hindgut?**
K. J. Reed, I. G. Z. Kunz, J. A. Scare, M. K. Nielsen, et al. Colorado State University.
14. **Challenges Using Shotgun Metagenomics for Foodborne Pathogen Detection**
Enrique Doster, Pablo Rovira, Noelle R. Noyes, Brandy A. Burgess, et al. Colorado State University.



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15. **Characterization of Novel Virus in *Drosophila* and *Anopheles gambiae***
Shaun Cross, Mark Stenglein. Colorado State University.
16. **Development of an Adaptive Filtering based Fluorescence Microscopy technique for determination of Oxygenation levels in Biological Tissue.**
Arya Mugdha, Saurabh Gupta, Jesse Wilson. Colorado State University.
17. **Preliminary study on the effects of dietary rice bran on the microbiome of Malian and Nicaraguan infants**
Starin A. McKeen, Hend Ibrahim, Luis Zambrana Gutierrez, Jessica Metcalf, et al. Colorado State University.
18. **Electrochemical Biosensor System for High Spatiotemporal Visualization of Neurotransmitter Release in Live Tissue**
Jasmine Nejad, William Tedjo, Luke Schwerdtfeger, Rachel Feeny, et al. Colorado State University.
19. **Evolution of Copper resistance in *Escherichia Coli***
Sada Boyd, Jude Akamu Ewunkem, Joseph Graves Jr.. North Carolina Agricultural and Technical State University.
20. **Examining antibiotic resistance gene horizontal transfer and introduction through farmland soil microbiome as a result of modern agricultural practices**
Schuyler Smith. Iowa State University.
21. **Gene Pair Correlation Estimation by Dual Gene Linear Mixed Model**
Meiling Liu, Dan Nettleton, Roger Wise. Iowa State University.
22. **Identification of a gene that makes-plants-gigantic-1: characterization of mpgt a novel rice mutant**
Michael M. Friedman, Bettina E. Broeckling, Amanda K. Broz, Daniel R. Bush. Colorado State University.
23. **Integrating Single-Cell Data and Stochastic Models**
Zachary Fox, Brian Munsky. Colorado State University.

POST-DOCS & RESEARCH ASSOCIATES

24. **Seasonal change of airborne bacteria in Tokyo**
Jun Uetake. Colorado State University.



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