

Poster Presentations, June 13, 2017

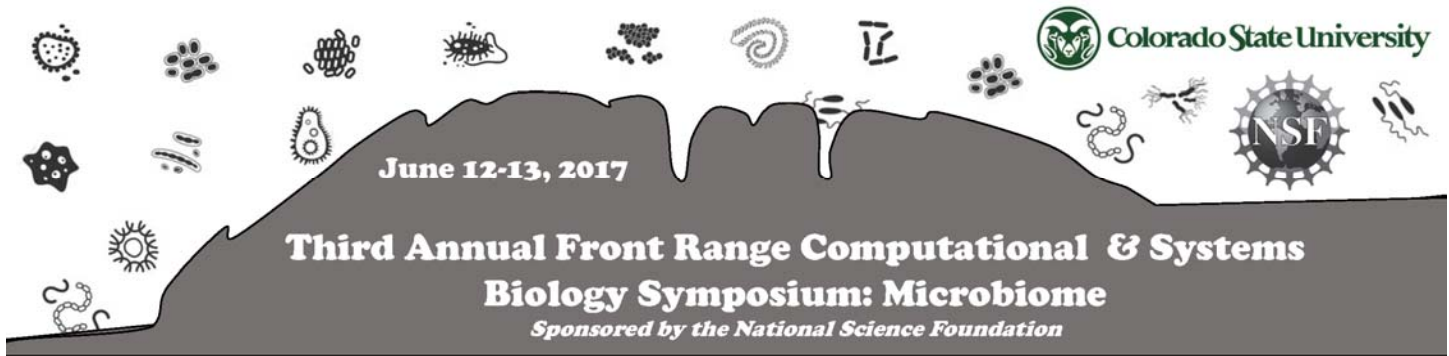
GRADUATE STUDENTS (3 PRIZES - \$100, \$75, \$50)

1. **A novel archaeal transcription termination factor**
Julie E. Walker, Daniel Dar, Olivia Luyties, Rotem Sorek, et al. Colorado State University.
2. **Large Scale Analysis of Intron Retention in *A. Thaliana***
Gareth Halladay. Colorado State University.
3. **Mathematical Modeling of Mechanisms of Tolerance**
Daniel Jonas, Michael Kirby. Colorado State University.
4. **Human gut microbiota predicts susceptibility to *Vibrio cholerae* infection**
Firas S Midani, Ana Weil, Lawrence David, Regina LaRocque. Duke University.
5. **Mitochondrial tRNA Gene Loss and Replacement in the Family Caryophyllaceae**
Jessica Warren, Zhiqiang Wu, Daniel Sloan. Colorado State University.
6. **Modulation of mRNA stability through RNA methylation in stem cells**
Adam M. Heck, Jeff Wilusz, Carol J. Wilusz. Colorado State University.
7. **Red King Effect in Fig Wasp Olfactory Gene Families**
Devin Molnau, Jordan Satler, John Nason. Iowa State University.
8. **Spatial signatures of an infectious disease on the verge of elimination**
Paige B Miller, John M Drake. University of Georgia.
9. **Stress-Mediated Coexistence**
Daniel Needs, Feilun Wu, Lingchong You. Duke University.
10. **Responses to salinity of *Spartina* hybrids formed in San Francisco Bay, California (*S. densiflora* × *foliosa*)**
Alex Lee. University of Georgia.
11. **Deploying Fourier Coefficients to Unravel Soybean Canopy Diversity**
Johnathon Shook, Asheesh K. Singh. Iowa State University.
12. **The role of three dimensional chromatin architecture of gene expression**
Travis Sanders, Tom Santangelo. Colorado State University.
13. **The subcellular localization of asymmetrically distributed mRNA transcripts during *Caenorhabditis elegans* early embryogenesis**
Dylan Parker, Marc T. Nishimura, Erin Osborne Nishimura. Colorado State University.
14. **A longitudinal analysis of social network, immunological, and ecological data in wild African Buffalo**
David Vasquez Jr., Kimberly VanderWaal, Anna Jolles, Vanessa Ezenwa. University of Georgia.
15. **BIOBOX: Environmentally Regulated Bioanalysis Chamber**
Caleb Begly, Daniel Ball, Ang Li, Schuyler Rideout, et al. Colorado State University.
16. **Characterizing the gut microbial community composition of a Chagas disease vector in situ**
Kaylee Arnold. University of Georgia.



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17. **Impact of probiotic *Lactobacillus acidophilus* vaccine vector on interactions between host microbiome and immune responses**
Bridget Eklund, Zaid Abdo, Jonathan LeCureux, Alora LaVoy, et al. Colorado State University.
18. **Microfluidic Instrumented Tissue System: To Ex-Vivo and Beyond**
Ian McLean, Luke Schwerdtfeger, Stu Tobet, Rachel Feeny, et al. Colorado State University.
19. **Optimizing Sediment Biofilms for Polycyclic Aromatic Hydrocarbon Degradation**
Savannah J. Volkoff, Lauren K. Redfern, Claudia K. Gunsch. Duke University.
20. **Predicting Cleavage Activity of CRISPR-Cas9 Across Diverse Maize Germplasm Using Reference Genome Analysis**
Ian R. Braun, Dipali G. Sashital, Kan Wang, Jeffrey D. Wolt, et al. Iowa State University.
21. **Nitrate Sensing Inhibits Biofilm Formation in the Saprophytic Bacterium *Burkholderia pseudomallei***
Mike Mangalea, Brooke Plumley, Brad Borlee. Colorado State University.
22. **Utilizing Metabolic Flux Analysis to Analyze Carbon Flux in the C₄, Drought-Tolerant Crop Sorghum**
Shea Moore-Farrell. Colorado State University.
23. **Host-induced gene silencing of *Puccinia sorghi* genes in maize**
Katerina Holan, Yu Mei, Manjula G. Elmore, Steven A. Whitham. Iowa State University.
24. **Visualizing RNA silencing with single-transcript resolution**
Charlotte Cialek, Tai Montgomery, Tim Stasevich. Colorado State University.
25. **Determining the effects of anthelmintic drug administration on the equine fecal microbiome.**
Isabelle G.Z. Kunz, K. J. Reed, J. L. Metcalf, R. J. Coleman, et al. Colorado State University.
26. **Electrochemical Affinity Sensing of Zika Envelope Protein**
Jessie Filer, Lang Yang, Jacqueline Chen, David Dandy, et al. Colorado State University.
27. **Potential Antiviral Activities of *Hibiscus sabdariffa* and *Zanthoxylum armatum* against murine norovirus**
Uchenna Iloghalu, Janak Khartiwada, Leonard Williams NC A&T University.
28. **Advancing Understanding of Heat Stress Response Mechanisms by Integrated Molecular, Biochemical, and Whole-Plant Analysis**
James McNellie. Iowa State University.

POST-DOCS & RESEARCH ASSOCIATES

29. **Bacteria Associated with Russian Wheat Aphid (*Diuraphis noxia*) Enhance Aphid Virulence to Wheat**
Emily Luna, Leon van Eck, Tony Campillo, Michelle L. Cilia, et al. Colorado State University.
30. **Meta-omic-enabled Biomarker Identification: Biodegradation of o-xylene by a Methanogenic Consortium**
Karen Rossmassler, Susan K. De Long. Colorado State University.
31. **Using Metabolomics to Uncover Metabolic Pathways Utilized in Nitrogen Stress and Plant-Microbe Interactions in Energy Sorghum.**
Amy M. Sheflin, Jessica E. Prenni, Daniel P. Schachtman, Rebecca Bart, et al. Colorado State University.



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