The 2016 Independent Research Poster Presentation

1. Lee, Christina  
   Novel cancer-oocyte biomarker SAS1B as a potential target in head and neck squamous cell carcinoma (HNSCC)

2. Hennelly, Marissa  
   The E5K mutation in the DGKB gene has effects on cell proliferation in VMM39 and A375 melanoma cell lines

3. Pandya, Lekha  
   The Tower of Power: Quantifying the Forces of Xenopus Gastrulation

4. Fortugno, Andrew  
   The effect of day length on sugar metabolism and resource allocation in sunflower

5. Sheehan, Charlie  
   Engineering an Inhibitory Magnetogenetic Actuator for Study of the Nervous System

6. Brazel, Morgan  
   A Screen to Identify Factors Involved in Neuroblast Exit from Quiescence

7. Motamedi, Vida  
   Variation in Sperm Morphology in Anolis Lizards from the Dominican

8. Kannan, Swarna  
   Taste Pathways and Tastant Selectivity in Tree Shrews

9. Koduru, Vinuth  
   Topology and Membrane Orientation of SAS1B

10. Lee, Nancy  
    Gene Expression Differences Between Dexamethasone-sensitive and Resistant Leukemia Cells

11. Francis, Audrey  
    Investigating the Role of Extracellular Vesicles in Antimalarial Resistance

12. Graham, Connor  
    Genome size evolution of the Native American crop, Iva annua

13. Siddiq, Mevish  
    Do pathogens prefer to mate on their own hosts?

14. Hand, Marissa & Mantus, Grace  
    Analysis of the Role of OSH proteins in Exomer-Dependent Exocytosis

15. Abate, Hiwot  
    Is the duration of nephrogenesis compromised by premature birth in mice?

16. Barnes, Alyson  
    Clomiphene and its Isomers Block Ebolavirus Particle Entry and Infection with Similar Potency

17. Aracena, Katie  
    Deciphering the flowering gene regulatory network in M. guttatus using targeted amiRNA knockdown and by studying variation in natural populations

18. Rogers, Nat  
    Mapping of Projections from Pyramidal Neurons in the Mouse Prefrontal Cortex

19. Costanzo, Cara  
    The Role of PTK7 in the Forebrain
20  **Doyle, Catherine**  Effects of persistent ABCG1 deficiency on the insulin secretory pathway

21  **Ghajar-Rahimi, Gelare**  Analysis of the Activity of Rev Response Elements in Viruses Isolated from an HIV-infected Patient During Early and Late Infection

22  **Shahid, Lyeba**  Adam12: A Genetic Modifier of Peripheral Arterial Disease

23  **Harris, Taylor**  Investigation of the Pax6 Regulatory Gene and its Influence on the Congenital Eye Disease, Aniridia

24  **Zelig, Matthew**  Does perturbing the Met and Ron RTK signaling pathway sensitize cells to Met/Ron specific inhibitors? A new strategy in GBM therapy.

25  **Bonagiri, Pranay**  Inactivation of Ebola Entry Mechanism

26  **Weaver, Rachel**  Functional regulation of renin secretion by Pannexin channels

27  **Lee, Inyoung**  Genome-scale CRISPR knockout reveals candidate regulators of chemotherapy resistance in ovarian cancer

28  **Park, Gina**  Polyglutamylation of β-tubulin During Neurite Induction in a Mouse Neuroblastoma Brain Model System