



Developmental and Reproductive Biology (DRB) Graduate Program Student Retreat

November 6, Wednesday, IBR Manoa Conference Room

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| 9.00AM – 9.20AM | Aileen Li (7 th year MS/PhD student, mentor: Yusuke Marikawa)
Glucose metabolism on gastrulation: interference causes morphological and gene expression defects in embryoid bodies. |
| 9.20AM – 9.40AM | Justin Padron (2 nd year MS student, mentor: Claire Wright)
Molecular crosstalk of the antioxidant and inflammatory pathways in the fetal membrane. |
| 9.40AM – 10.00AM | Chantell Balaan (3 rd year PhD student, mentor: Masato Yoshizawa)
Behavioral effects of ketogenic diet in cavefish. |
| 10.00AM – 10.20AM | Trevor Torigoe (6 th year MS/PhD student, mentor: Rich Allsopp)
The effects of the longevity associated <i>FOXO3</i> genotype on telomere attrition and gene expression with age. |
| 10.20AM – 10.40AM | BREAK* |
| 10.40AM – 11.00AM | Brent Fujimoto (5 th year PhD student, mentor: Ben Fogelgren)
The exocyst complex is an indispensable link between insulin signaling and glucose absorption in skeletal muscle. |
| 11.00AM – 11.20AM | Nicholas Kawasaki (3 rd year MS student, mentor: Takashi Matsui)
Iron induced cell death propagation in ischemic heart disease. |
| 11.20AM – 11.40AM | Cassandra Matsushige (2 nd year MS student, mentor: Yukiko Yamazaki)
3D Ovarian Tissue Culture System Supported by Biochemically Defined Hydrogel. |
| 11.40AM – 12.00PM | Vania Fernandez (4 th year PhD student, mentor: Masato Yoshizawa)
Sensory-Behavior Laterality in <i>Astyanax mexicanus</i> . |
| 12.00PM – 1.00PM | LUNCH BREAK* |
| 1.00PM – 1.20PM | Kimberly Lactaeon (2 nd year MS student, mentor: Masato Yoshizawa)
Genetic architecture for Autism Spectrum Disorder-like symptoms in cavefish. |
| 1.20PM – 1.40PM | Ryuei Sato (5 th year MS/PhD student, mentor: Steve/Ward/Jesse Owens)
Developing an integrating transposase for the specific target sequence in human cells. |
| 1.40PM – 2.00PM | Dominique Elento (2 nd year MS student, mentor: Steve Ward)
The role of WASP in ORC4 mediated polar body extrusion. |
| 2.00PM – 2.20PM | Lance Nunes (2 nd year MS student, mentor: Johann Urschitz)
Placenta-specific gene modulation via sonoporation. |
| 2.20PM – 2.40PM | Ludwig Mayerlen (2 nd year PhD student, mentor: Jesse Owens)
Phage assisted continuous evolution of site-specific integrases. |
| 2.40PM – 3.00PM | FINAL QUESTIONS, DISCUSSION, CONCLUDING REMARKS, AWARDS PRESENTATION |

* Coffee, tea & snack (Coffee Break) and pizza & drinks (Lunch) will be provided, sponsored by Department of Anatomy, Biochemistry and Physiology.