

15<sup>th</sup> Plant Biology Minisymposium at University of Maryland (Final Program)

Location: **1103 BRB** (Bioscience Research Building), University of Maryland at College Park

8:30 Registration

8:55: Welcome remarks (Zhongchi Liu)

Morning session I - In honor of Professor Heven Sze (Chaired by Hua Lu)

9:00 John Ward, University of Minnesota, "**Function, structure, and evolution of plant sucrose transporters**"

9:25 Dan Bush, Colorado State University, "**Learning how to ask simple questions: Lessons from Heven Sze that seeded a few discoveries**"

9:50 Jose Feijo, University of Maryland, "**ATPases on Heven: the fundamental roles of proton translocation in pollen germination and tube development**"

10:15 Poster talk 1: Dan Czerny, University of Maryland, "**Cation/H<sup>+</sup> Exchangers on Dynamic Membranes Affect Fertilization and Seed Development**"

10:20 Remarks on professor Sze's career (Wendy Peer and others)

10:30 Coffee Break

Morning session II - In honor of Professor Heven Sze (Chaired by Wendy Peer)

10:50 Robin Buell, Michigan State University, "**Genome diversity in wild and cultivated potatoes**"

11:15 Karen Schumaker, University of Arizona "**Linking calcium sensor gene duplication and functional divergence to plant adaptation to salinity**"

11:40 Steve Randall, Indiana University Purdue University Indianapolis "**Cold tolerance in model and agriculturally relevant plants**"

12:05 Poster talk 2: Michael Wudick, Univ. of Maryland, "**Glutamate receptors in the pollen of *Arabidopsis thaliana* - On the calcium branch**"

12:10 Lunch and poster viewing

Afternoon session I (Chaired by Jose Feijo)

1:15 Mark Johnson, Brown University, "**Molecular Dialogues between Pollen and Pistil**"

1:40 Tzung-Fu Hsieh, North Carolina State "**Active DNA Demethylation Regulates Gene Imprinting and Transposon Silencing in Arabidopsis**"

2:05 Chris Town, JCVI, "**The Arabidopsis Information Portal: new approaches to data integration**"

2:15 Poster talk 3: Bryant Morocho, Wilkes University, "**Characterizing Arabidopsis Mutants Lacking Specific Non-Coding RNAs**"

2:20 Poster talk 4: Chong Zhang, University of Maryland at Baltimore County, "**Molecular Basis of Crosstalk Between the Circadian Clock and Innate Immunity in Arabidopsis**"

2:25 Coffee break

Afternoon session II (Chaired by Angus Murphy)

2:45 Naden Krogan, American University, "**The role of transcriptional repression in plant reproductive development**"

3:10 Joshua Blakeslee, The Ohio State, "**Hunting for Hormones in Stress Responses**"

3:35 Dong Wang, University of Massachusetts "**Specialized protein secretion in the nitrogen-fixing symbiosis**"

4:00 Poster talk 5: Jonathan D. Monroe, James Madison University, "**Two plastidic  $\beta$ -Amylases in Arabidopsis, BAM1 and BAM3, Appear to be Adapted for Different Thermal, pH, and Stress Conditions**"

4:05 Poster talk 6: Jennifer Shemansky, University of Maryland, "**The EIN2 N-terminal domain can function *in trans* to positively regulate the C-terminal (ethylene signaling) domain in Arabidopsis**"

4:10 Concluding remark (Heven Sze)

4:15-5:00 Mixer and further poster viewing and take down