

# 5<sup>th</sup> Annual CEPCEB Postdoc Symposium

## June 1, 2018

### Genomics Auditorium

**8:30AM – 9:00 AM: Breakfast/Registration**

**9:00 AM: Opening Remarks – Daniela Cassol, Postdoc**

**SESSION I Moderator - Daniela Cassol, Postdoc**

**9:10 AM**  
**Xiang Zhou, Postdoc**  
Botany & Plant Sciences  
“The invasive growth, “Male-female interaction during pollen tube penetration”

**9:30 AM**  
**Alison Mills, Graduate Student**  
Botany & Plant Sciences  
“It Takes Two: TANGLED1 and AIR9 are Both Required For Proper Division Plane Orientation in *Arabidopsis thaliana*”

**9:50 AM**  
**Kelley Clark, Graduate Student**  
Microbiology & Plant Pathology  
“An effector from the Huanglongbing-associated pathogen targets a class of proteases in citrus”

**10:10 AM**  
**Wiphawee Leesutthiphonchai, Graduate Student**  
Microbiology & Plant Pathology  
“Transcriptional networks controlling sporulation of *Phytophthora infestans*: towards saving potato from late blight”

**10:40 – 11:00 Coffee Break**

**SESSION II Moderator - Patricio Pérez-Henríquez, Postdoc**

**11:00 AM**  
**Jiang Li, Postdoc**  
Biomedical Sciences  
“Resistin therapeutics in Lipopolysaccharide induced sepsis”

**11:20 AM**  
**Christi Ann Scott, Graduate Student**  
Molecular, Cell & Systems Biology  
“A whole-genome approach highlights age- and stimulus-dependent differences in neuronal response to sensory cues in *Drosophila*”

**11:40 AM**  
**Poonam (Sonia) Deol, Assistant Project Scientist**  
Molecular, Cell & Systems Biology  
“Soybean Oil Induced Health Effects: Liver, Gut and Brain”

**12:00 PM**  
**Ryan Joseph, Project Scientist**  
Molecular, Cell & Systems Biology  
“Employing *Drosophila melanogaster* to uncover fast-acting neural mechanisms that inhibit insect feeding”

**12:30 – 1:30 PM Lunch**

**SESSION III Moderator - Chan Yul Yoo, Assistant Project Scientist**

**1:30 PM**  
**Maureen Hummel, Assistant Project Scientist**  
Botany & Plant Sciences  
“Balancing translation and sequestration of mRNAs to maintain energy homeostasis”

**1:50 PM**  
**Qiang Cai, Postdoc**  
Microbiology & Plant Pathology  
“Plants secrete extracellular vesicles to deliver small RNAs into a fungal pathogen to silence its virulence genes”

**2:10 PM**  
**Bailong Zhang, Postdoc**  
Botany & Plant Sciences  
“Linking Key Steps of Plant miRNA Biogenesis by TREX-2 and the Nuclear Pore Complex”

**2:30 PM**  
**Yongjian Qiu, Assistant Project Scientist**  
Botany & Plant Sciences  
“Mechanism of phytochrome-mediated thermomorphogenesis”

**3:00 – 3:20 Coffee Break**

**3:20 PM: Keynote Introduction — Dawn Nagel, Assistant Professor**

**3:25 PM**  
**Steve Kay, Keynote Speaker**  
Department of Genome Sciences,  
University of Southern California  
“Grow Up! The Circadian Clock as the Master Regulator of Plant Environmental Responses”



**4:25 PM: Closing Remarks – Patricio Pérez-Henríquez, Postdoc**

**4:30 PM Reception/Poster Presentation**

## POSTER PRESENTATIONS

**Aashima Khosla, Postdoc** (Botany & Plant Sciences)  
“Karrikin signaling in *Arabidopsis*”

**Daniela Cassol, Postdoc** (Botany & Plant Sciences)  
“systemPipeR: NGS Workflow and Report Generation Environment”

**Gregory Newkirk, Graduate Student** (Botany & Plant Sciences)  
“Nanotechnology delivery of chloroplast genetic elements for high-value protein production through autonomous photobioreactors”

**Halee Scott, Undergraduate Student** (Botany & Plant Sciences)  
“*In vivo* analysis of WUSCHEL protein phosphorylation in *Arabidopsis thaliana*”

**Honghong Wu, Postdoc** (Botany & Plant Sciences)  
“Standoff optical glucose detection in photosynthetic organisms in vivo by quantum dot ratiometric probe”

**Israel Santana, Graduate Student** (Botany & Plant Sciences)  
“Nanobiotechnology approach to study chloroplast generated ROS regulation of plant abiotic stress gene clusters”

**Jessica Toth, Graduate Student** (Botany & Plant Sciences)  
“Linking lateral cell polarity to root tissue patterning”

**Marco Schiavon, Project Scientist** (Botany & Plant Sciences)  
“Evaluation of products to alleviate salinity stress in hybrid bermudagrass (*Cynodon transvaalensis* x *C. dactylon*) turf”

**Matthew Prior, Postdoc** (Botany & Plant Sciences)  
“The Secretome of Rice and *Arabidopsis*”

**Patricio Pérez-Henríquez, Postdoc** (Botany & Plant Sciences)  
“Self-promoted and self-terminated PIN2-mediated auxin transport is crucial during coordination of pavement cell morphogenesis”

**Sweeta Shalika, Undergraduate Student** (Botany & Plant Sciences)  
“An *Arabidopsis* coregulator functions with WUSCHEL in mediating CLAVATA3 expression and stem cell homeostasis.”

**Wenwei Lin, Postdoc** (Botany & Plant Sciences)  
“FERONIA’s sensing of cell wall pectin activates ROP GTPase signaling in *Arabidopsis*”

**Yu-Chieh David Chen, Graduate Student** (Entomology)  
“Multimodal taste integration in pharyngeal sugar sensing neurons in *Drosophila*”

**Organizers:** Daniela Cassol, Postdoc, Patricio Pérez-Henríquez, Postdoc, Matt Prior, Postdoc & Chan Yul Yoo, Assistant Project Scientist