

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

June 1, 2018

Genomics Auditorium

**8:30 AM – 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**

**Poonamjot (Sonia) Deol, Assistant Project Scientist**

Molecular, Cell & Systems Biology

“Soybean Oil Induced Health Effects: Liver, Gut and Brain”

**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 (Microbiology & Plant Pathology)**

“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”

**Emily Blair, Graduate Student (Botany & Plant Sciences)**

“Temporal dynamics of temperature stress responses in *Arabidopsis thaliana*”

**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

**Marco Schiavon, Assistant Researcher (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 (Biochemistry)**

“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 (Molecular, Cell & Systems Biology)**

“Multimodal taste integration in pharyngeal sugar sensing neurons in *Drosophila*”

**Elizabeth Hann, Graduate Student (Botany & Plant Sciences)**

“Transforming our understanding of algal and plant lipid metabolism with a novel functional genomics strategy”