

5th 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
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”

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*”

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