



2nd Annual CEPCEB Postdoc Symposium

12th June 2015

Genomics Auditorium UC Riverside

SESSION I

Session Chair: Anna Locke

9:00 am Opening Remarks

9:05 am Maria Irigoyen, Postdoctoral Scholar Botany and Plant Sciences Cassava-Whitefly Project: Identifying the genes that underlie whitefly resistance

9:25 am **Yina Wei**, Postdoctoral Scholar Cell Biology & Neuroscience *Memory consolidation during slow* sleep oscillations

9:45 am **Greg Pask**, Postdoctoral Scholar Entomology

How to smell your sisters: the molecular basis of pheromone detection in ants

10:05 am **Adler Dillman**, Assistant Professor Nematology Host-parasite interactions and insect-parasitic nematodes

10:30 am COFFEE BREAK

SESSION II

Session Chair: Inge Verstraeten

10:45 am **Aaron DeVries**, Graduate Student Botany and Plant Sciences Cytokinin signaling and control of WUS gradient in Arabisospsis SAM

11:05 am **Anna Locke**, Postdoctoral Scholar Botany and Plant Sciences Sub1 rice: Reprogramming of transcription and metabolism upon desubmergence is linked to photosynthetic recovery

11:25 am **Maryam Sanei**, Postdoctoral Scholar Botany and Plant Sciences Investigating the role of the Arabidopsis Rrp44 exosome subunit in miRNA degradation

11:45 pm **Jaimie Van Norman**, Assistant Professor Botany and Plant Sciences *Cell polarity and tissue patterning in* roots

12:10 pm LUNCH BREAK POSTER SESSION

SESSION III

Session Chair: Dezi Elzinga

2:15 pm **Ashley Cacho**, Graduate Student Statistics A comparison of base-calling algorithms for Illumina sequencing technology

2:35 pm Meenakshi Kagda, Graduate Student Genetics, Genomics, and Bioinformatics Metabolic adaptations in Phytophthora infestans

2:55 pm Elizabeth McCarthy, Postdoctoral Scholar Botany and Plant Sciences Functional divergence of APETALA1 and FRUITFULL following gene duplication

3:15 pm Carolyn Rasmussen, Assistant Professor
Botany and Plant Sciences
Division plane orientation in plant cells

3:40 pm COFFEE BREAK

4:00 pm Keynote Speaker presentation



Sean Cutler, Associate Professor Botany and Plant Sciences





3rd Annual CEPCEB Postdoc Symposium

10th June 2016

Genomics Auditorium UC Riverside

SESSION I

Session Chair: Maria L. Irigoyen

9.25 am Opening Remarks

9.30 am Ricardo Mir, Post-Doctoral Fellow
Botany and Plant Sciences
Characterization of a DII-based auxin
reporter in maize

9.50 am Kevin Rodríguez, GRADUATE STUDENT
Botany and Plant Sciences
Threshold contingent transcriptional
discrimination underlies stem cell
homeostasis

10.10 am Pablo Martínez, GRADUATE STUDENT
Biochemistry
TANGLED1 function in maize

10.30 am Tianran Jia, GRADUATE STUDENT

Botany and Plant Sciences

Dissecting the functions of a potential

RNA helicase in small RNA biogenesis

10:50 am COFFEE BREAK

SESSION II

Session Chair: Brandon Le

11:10 am Zied Gaieb, GRADUATE STUDENT

Chemical engineering

Molecular mechanism of biased
ligand conformational changes in
CC chemokine receptor 7

11:30 am Rohith Mohan, GRADUATE STUDENT

Bioengineering
Interplay between ionic strength,
association rates and electrostatic
interaction in the C3d:CR2
complexes

11:50 am Jie Zhu, GRADUATE STUDENT

Biochemistry

Understanding short and medium
chain volatile ester biosynthesis by
AATase activity in yeast

12:10 pm Wei Cui, POST-DOCTORAL FELLOW
Statistics
Metagenomics binning via
sequential Monte Carlo (SMC)
method

12:30 pm LUNCH BREAK

SESSION III

Session Chair: Mauricio A. Reynoso

2:00 pm Zhongxin Guo, POST-DOCTORAL FELLOW Plant Pathology and Microbiology Phospholipid flippases regulate siRNA-mediated antiviral innate immunity in Arabidopsis thaliana

2:20 pm Xueqing Lu, GRADUATE STUDENT

Cell Biology and Neuroscience

An exploration of gene expression
and regulation mechanisms in the
malaria causing parasite,
Plasmodium falciparum

2:.40 pm Travis Lee, GRADUATE STUDENT

Botany and Plant Sciences

Nuclear dynamics of transcriptional regulation in response to hypoxia stress in Arabidopsis thaliana

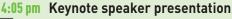
3:00 pm Ka-Wai Ma, POST-DOCTORAL FELLOW Plant Pathology and Microbiology Structure of a pathogen effector reveals enzymatic mechanism of a novel acetyltransferase family

3:20 pm Arun Kumar, Post-Doctoral Fellow
Entomology
The detection of bitter and sweet
compounds by the evolutionarily
conserved sweet clade in Drosophila

3:40 pm COFFEE BREAK

4:00 pm Keynote speaker introduction Cecilia Rodríguez-Furlán

5:00 pm CLOSING RECEPTION





Frank G. Harmon, Adjunct Associate Professor Department of Plant and Microbial Biology UC Berkeley

The green watch: mechanisms and impacts of circadian timing in plants