**SESSION I**

**Session Chair:** Maria L. Irigoyen

9.25 am **Opening Remarks**

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

9.50 am **Kevin Rodriguez, 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 evolutionary conserved sweet clade in Drosophila

3:40 pm **Coffee Break**

4:00 pm **Keynote Speaker Presentation**

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

4:05 pm **Keynote Speaker Introduction**

Cecilia Rodriguez-Furlán

5:00 pm **Closing Reception**