**2024 Southern California Plant Biology Day Program**

**Friday, September 27, TATA Hall, UCSD**

8:45 Coffee and refreshments

9:10 Opening remarks by Maarten Chrispeels

9:15 to 10:30 Session I, chaired by *Lena Muller*, The Salk Institute

**Trevor Nolan, Caltech**

Unveiling spatiotemporal control of Arabidopsis root growth and development

**Juan Du, UC Riverside**

Spatiotemporal nucleation of photobodies

**Elohim Bello Bello, The Salk Institute**

Breaking new ground: Uncovering the genetic secrets of root penetration for boosting underground carbon sequestration

10:30 to 10:45 am Coffee break

10:45 to 12:15, Session II, Chaired by Trevor Nolan, Caltech

**Tao Zhang, UCSD**

Chemical Imaging Reveals Diverse Functions of Small Molecules in Root Growth and Development

**Lena Muller, The Salk Institute**

CLAVATA signaling modulates host control over arbuscular mycorrhizal symbiosis.

**Mike Prigge, UCSD**

Moss and maize mutants reveal new mechanism for balancing activating and repressing ARFs

**Marina Youngblood, UC Riverside**

DNA delivery by Virus-like Nanocarriers in Plant Cells

**12:15 to 1:15 Lunch**

1:20 to 3:00, Session 3, Chaired by Rachel Shahan, UCLA

**Sunil K. Kenchanmane Raju, UC Riverside**

Divergent cell states and core regulators identified through comparative single-cell genomics

**Colette Picard, UCLA**

An antagonistic epigenetic mechanism regulating gene expression in pollen

**Anqi Zhou, UC Riverside/UCSD**

Evolution of Inter-organismal Strigolactone Biosynthesis in Seed Plants

**Nattiwong Pankasem, UCSD**

Warming Triggers Stomatal Opening by Enhancement of Photosynthesis and Ensuing Guard Cell CO2 Sensing, Whereas Higher Temperatures Induce a Photosynthesis-Uncoupled Response**.**

3:00 to 3:15 coffee break

3:15 to 4:05 Session IV, Chaired by Sunil K. Kenchanmane Raju, UC Riverside

**Shuya Wang, UCLA**

MBD2 couples DNA methylation to transposable element silencing during male gametogenesis

**Rachel Shahan, UCLA**

Getting to the Root of Cell Fate Decisions.

4:05 to 4:45, Keynote session, Hosted by Julian Schroeder

**Sean Cutler, UC Riverside**

Programmable plants: engineering chemically regulated switches for dynamic control of plant phenotypes

**4:45 Closing remarks by Katie Dehesh**

You can find TATA Hall in Google map (search TATA Hall, UCSD)

