

SCHEDULE

The meeting will take place in two buildings: the Compton Union Building (CUB) and the Smith Center for Undergraduate Education (CUE).

FRIDAY, APRIL 30

5:00 pm - 7:00 pm	Registration, poster set-up, CUB Senior Ballroom
6:30 pm - 8:30 pm	Banquet, CUB Senior Ballroom
7:00 pm - 7:45 pm Abstract 16 Abstract 8	Banquet Lectures: GERRY EDWARDS <i>How to be C₄: Different Means to an End</i> SASCHA OFFERMANN <i>Isolation and Characterization of the Dimorphic Chloroplasts in the Single Cell C₄ species <i>Bienertia sinuspersici</i></i>
7:45 pm - 10:00 pm	Poster session, CUB Senior Ballroom

SATURDAY, MAY 1

8:00 am - 12:00 pm	Registration and breakfast, CUE 203 Atrium
9:00 am - 9:15 am	Opening remarks in CUE 203
DEVELOPMENT SESSION	
Session chair: HANNO HELLMANN, CUE 203	
9:15 am - 9:50 am Abstract 21	Keynote Speaker: BOB SHARROCK <i>From Photon to Phenotype – the Phytochrome Family</i>
9:50 am - 10:10 am Abstract 4	TIE LIU <i>Interplay of Class II and Class III HD-ZIP Transcription Factors in Establishment of Leaf Polarity</i>
10:10 am - 10:30 am Abstract 22	CRISTINA WALCHER <i>1 + 1 = 3: When Two Hormones Are Better Than One</i>
10:30 am - 10:50 am Abstract 43	JIANFEI ZHAO <i>Functional Analysis of the AT-Hook Motif Nuclear Localization (AHL) Gene Family in <i>Arabidopsis thaliana</i></i>
10:50 am - 11:10 am Abstract 24	RICHARD SHARPE <i>Maize Bundle Sheath & Mesophyll Chloroplasts: Same Genes Different BS</i>
11:10 am - 2:10 pm	Poster session in CUB Senior Ballroom Odd numbered posters: 11:10 am - 12:10 pm Even numbered posters: 1:00 am - 2:00 pm

11:30 am - 1:30 pm	Buffet lunch served in CUB Senior Ballroom
2:10 am - 2:30 pm	Take down posters CUB Senior Ballroom
PHYSIOLOGY AND INTERACTIONS WITH THE ENVIRONMENT SESSION	
Session chair: ASAPH COUSINS, CUE 203	
2:30 pm - 2:50 pm Abstract 56	EMILY PALM <i>The Serpentine Syndrome: Investigating Potential Mechanisms of Tolerance in Mimulus guttatus</i>
2:50 pm - 3:10 pm Abstract 17	QIUMIN TAN <i>Understanding the Physiological Importance of Amino Acid Transport Processes in Legumes</i>
3:10 pm - 3:30 pm Abstract 1	MUHAMMAD ARSHAD <i>Identification of Genes that Contribute to Drought Stress Tolerance in Poplar</i>
3:30 pm - 3:50 pm Abstract 27	DESERAH STRAND <i>The Effects of Photoinhibition on the Proton Circuit of Photosynthesis</i>
3:50 pm - 4:10 pm Abstract 34	BERKLEY WALKER <i>Altered Photorespiratory Carbon Metabolism in Arabidopsis thaliana: Prevalence and Consequences of Increases to the Stoichiometric Release of CO₂</i>
4:10 pm - 4:30 pm	Coffee break, CUE 203 Atrium
BIOCHEMISTRY SESSION	
Session chair: PATRICIA OKUBARA, CUE 203	
4:30 pm - 5:05 pm Abstract 29	JUDY CALLIS <i>RING-type Ubiquitin E3 Ligase Family in Arabidopsis thaliana</i>
5:05 pm - 5:25 pm Abstract 23	LING MENG <i>A Membrane-associated Thioredoxin Required for Plant Growth Moves from Cell to Cell, Suggestive of a Role in Intercellular Communication</i>
5:25 pm - 5:45 pm Abstract 9	JEREMY DAHMEN <i>Increasing Polyunsaturated Fatty Acid Production in the Heterologous Host, Saccharomyces cerevisiae, by Entering the Realm of Fatty Acid Desaturation in Tetrahymena thermophila</i>
5:45 pm - 6:05 pm Abstract 12	YONGIL YANG <i>Analysis of RNA Binding Protein Complexes Involved in Prolamine mRNA Localization in Rice Seeds</i>
6:05 pm - 6:25 pm Abstract 46	HANJO HELLMANN <i>The DDB1a Interacting Proteins ATCSA-1 and DDB2 are Critical Factors for UV-B Tolerance and Genomic Integrity in Arabidopsis thaliana</i>
6:25 pm - 9:30 pm	Pizza, Butch's Den in CUB

SUNDAY, MAY 2

8:00 am - 9:00 am	Breakfast, CUE 203 Atrium
CONNECTIONS TO AGRICULTURE SESSION Session chair: KULVINDER S. GILL, CUE 203	
9:00 am - 9:35 am Abstract 19	JOHN HARADA <i>Dissection of Seed Development</i>
9:35 am - 9:55 am Abstract 37	ALEXANDER KARASEV <i>Identification of an Unusual Recombinant Potato Virus Y Strain in Potato in North-central Mexico</i>
9:55 am - 10:15 am Abstract 33	KEUM YOUNG LEE <i>Three Approaches to Enhancing Phytoremediation of Chlorpyrifos</i>
10:15 am - 10:35 am Abstract 51	JASDEEP MUTTI <i>Comprehensive Analysis of Homoeologue Gene Expression in Polyploid Wheat</i>
10:35 am - 10:55 am Abstract 6	JAYAVEERAMUTHU NIRMALA <i>Stem Rust Spores Elicit Rapid RPG1 Phosphorylation in Barley</i>
10:55 am - 11:15 am Abstract 3	PATRICIA OKUBARA <i>Cultivar-Dependent Rhizosphere Colonization, Antifungal Metabolite Accumulation and Gene Expression in a Wheat-Pseudomonas Interaction</i>
11:15 am - 11:35 am	Announcement of poster and talk prizes in CUE 203
11:35 am - 11:50 am	Coffee break and adjourn, CUE 203 Atrium