

**CBC Members meeting**  
Reiman Ballroom, Alumni Center  
Wednesday & Thursday, 7 – 8 December 2022

**DAY 1 (Wednesday, December 7, 2022)**

- 1:00 pm *Kan Wang & Steve Whitham (Co-Directors)*  
Welcome and introductory remarks
- 1:05 pm *Peter Dorhout (Vice President for Research)*  
Welcome
- 1:15 pm *Kan Wang & Steve Whitham (Co-Directors)*  
Members update
- 1:30 pm Steve Whitham (Session Chair)
- 1:30 pm *Jessica Ji (Crop Bioengineering Lab (CBL))*  
Update on the Crop Bioengineering Lab (CBL) start up
- 1:50 pm *Featured speaker: Bing Yang (University of Missouri)*  
High-efficiency prime editing enables new strategies for disease resistance in rice
- 2:25 pm *Featured speaker: Jeff Sander (Corteva)*  
Genome Editing for Crop Improvement: Tools and Applications
- 3:00 pm **Break**
- 3:15 pm Erik Vollbrecht (Session Chair)
- 3:15 pm *Keunsub Lee (Agronomy)*  
Development of enabling technologies for plant transformation and gene editing
- 3:40 pm *Shan Jiang group (MSE)*  
Why biolistic delivery is so inconsistent – interpretation from a non-biologist
- 4:05 pm *Madan Bhattacharyya (Agronomy)*  
Investigation of the molecular basis of broad-spectrum pathogen and pest resistance induced by overexpression of a soybean receptor protein
- 4:30 pm **Break**
- 4:45 pm *Maria Salas-Fernandez (Agronomy)*  
Discovery of a new photosynthesis-related gene in sorghum using virus-induced gene silencing (VIGS)
- 5:10 pm *Erik Vollbrecht (GDCB)*  
CRISPR-Cas9 and transposon mutagenesis in maize
- 5:35 pm *Nadilia Gomez (OVPR, Chief Technology Officer)*  
The Bioscience Platforms: Catalyzing Success from Innovation to Commercialization
- 6:00 pm **Wrap up**

**DAY 2 (Thursday, December 8, 2022)**

- 9:00 am Kan Wang (Session Chair)
- 9:00 am *Dipali Sashital (BBMB)*  
Consequences of Cas effector specificity
- 9:25 am *Gaoyuan Song (PPEM, Walley lab)*  
Base editing approaches to examine posttranslational protein modifications in planta
- 9:50 am *Siddique Aboobucker (Agronomy, Lubberstedt lab)*  
Removing a roadblock in Doubled Haploid (DH) technology: Identification of genes restoring haploid male fertility in *Arabidopsis thaliana*
- 10:15 am **Break**
- 10:25 am Dipa Sashital (Session Chair)
- 10:25 am *Michelle Guo (GDCB)*  
Deciphering the role of FERONIA receptor kinase in plant growth and stress responses
- 10:50 am *Joe Aung (GDCB)*  
Cell type-specific regulation of plasmodesmata
- 11:15 am *Jianming Yu (Agronomy)*  
Connecting gene, genome, development, and environment under phenotypic plasticity
- 11:40 am *Dave Peters (SOCCJ)*  
Public trust in the institutions regulating gene edited foods: Implications for adoption
- 12:05 pm *Kan Wang & Steve Whitham (Co-Directors)*  
Members discussion – research opportunities, seed grants, spring seminar series, members’ support
- 12:30 pm Meeting adjourns – Box lunches