



UNL PLANT PHENOMICS SYMPOSIUM

April 2, 2018

Program

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| 8:30 am | Registration |
| 8:55 am | Welcome - Ron Yoder , Senior Associate Vice Chancellor - IANR |
| 9:00 - 9:45 am | Andrew Leakey (University of Illinois at Urbana-Champaign) - High-throughput Phenotyping of Leaf Traits to Understand Plant Carbon, Water and Nitrogen Relations |
| 9:45 - 10:15 am | Yufeng Ge - Characterizing Cell Wall Composition of Sorghum Using Hyperspectral Imaging and Statistical Learning |
| 10:15 - 10:45 am | Reka Howard - Improving Prediction Models Using Genomic and Image Data in Soybean |
| 10:45 - 11:15 am | Break |
| 11:15 - 11:45 am | Daniel Schachtman - Calibrating the Automated Greenhouse for Nitrogen Use Experiments with Sorghum and Field Phenotyping of Camelina Drought Tolerance |
| 11:45 - 12:15 pm | Harkamal Walia - Mining Wild Wheat Germplasm for Phenotypic Plasticity |
| 12:15 - 1:15 pm | Lunch |
| 1:15 - 1:45 pm | Brent Ewers (University of Wyoming) - Testing Mechanistic Controls over Plant Phenotypes through Biophysical Modeling |
| 1:45 - 2:15 pm | Yeyin Shi - What drones can and cannot do for plant phenotyping? |
| 2:15 - 2:45 pm | Sruti Das Choudhury - Intelligent Image Analysis for Advanced Plant Phenotyping |
| 2:45 - 3:15 pm | Kevin Stanley (University of Saskatchewan) - Building a Breeders Analytic Pipeline |
| 3:15 - 3:30 pm | Break |
| 3:30 - 4:00 pm | James Schnable - Discoveries from Image Based Phenotyping of a Sorghum Reference Association Panel |
| 4:00 - 4:15 pm | Tala Awada - Wrap up: Plant Phenomics - Opportunities and Challenges |
| 4:15 - 5:00 pm | Greenhouse Tour |
| 5:00 pm | Happy Hour at the Mill, 2021 Transformation Drive #1350, Lincoln NE 68508 |