



## North American Plant Phenotyping Network Inaugural Convening Event

August 29-31, 2016 | West Lafayette, Indiana, USA

**August 29, 2016**

Welcome

<https://youtu.be/5jIF4J9ukzk>

Keynote Address Xavier Sirault

<https://youtu.be/AJ3ug3bQqBA>

Invited Talk Advancing Sensing Tools and Future of Phenomics Sindu Sankaran

<https://youtu.be/UJmqavRbKD4>

Lightning Talks Mitch Tuinstra

<https://youtu.be/042WF9Z2Wpk>

Lightning Talks Genomes to Fields Nathan Springer

<https://youtu.be/Rf77PkXU42w>

Lightning Talks Field-Based Predictive Phenomics Patrick S. Schnable

<https://youtu.be/SmZlI8CPSPg>

Lightning Talks UAS Hub Jinha Jung/Juan Landivar

<https://youtu.be/1z9ZvygwQBw>

Lightning Talks Precision Field-Based Wheat Phenotyping Platforms Carolina Saint Pierre

<https://youtu.be/wXr2MANZqVo>

Lightning Talks Utilizing Hyperspectral Information for Monitoring Plant Status  
John Couture

<https://youtu.be/eMxNR6ml4XY>

Lightning Talks The Critical Role of Phenotypic Data to Enhance Genetic Gains  
and Develop Climate-Smart Crops Hugo Campos

<https://youtu.be/1SOC8xk8wGg>

Lightning Talks Graduate Training in Predictive Plant Phenomics (P3) at Iowa  
State University Carolyn Lawrence-Dill

<https://youtu.be/4JjPYCgBq4U>

Lightning Talks The Plant Imaging Consortium Fiona Goggin

<https://youtu.be/WHmlvyygHN0>

Lightning Talks Plant CV: Analysis Tools for High-Throughput Phenotyping  
Malia Gehan

<https://youtu.be/VaqfVguVtOc>

Lightning Talks NSF Big Data Hub: Digital Agriculture Spoke  
Jennifer Clarke

<https://youtu.be/0xdvPlsr0Dg>

Lightning Talks X-Ray Tuber Analysis for 3D Biomass Determination  
Stefan Gerth

<https://youtu.be/J5UJwvjogOk>

The Delta is the Fertile Ground Between Phenotyping Modeling and Forecasting  
Keith Koutsky

[https://youtu.be/oj8dgeE\\_rj4](https://youtu.be/oj8dgeE_rj4)

Latin-America Plant Phenomic Network (LatPPN)

Gustavo Lobos Prats

<https://youtu.be/lyxrzXhO8M8>

**August 30, 2016**

Invited Talk Phenes, Pehnomes and Phenotyping

Jonathan Lynch, Penn State University

<https://youtu.be/J2XiDH-0KjU>

Proposed Research Thrusts Below-Ground Phenotyping

Anjali Iyer-Pascuzzi,

<https://youtu.be/7xGztWluATs>

Proposed Research Thrusts Abiotic & Biotic Stress

Argelia Lorence

<https://youtu.be/qm8BJEWjVpE>

Proposed Research Thrusts Understanding the Phenome Beyond Simple Genetics

Jonathan Lynch

<https://youtu.be/4YmkQNPv23Y>

Proposed Research Thrusts Value-Added Traits

Cliff Weil

<https://youtu.be/dBtLFuGhqKY>

Proposed Research Thrusts Data Acquisition II: Sensors, Systems and Vehicles

Melba Crawford

<https://youtu.be/FPCEIaaOBR4>

Proposed Research Thrusts Data Management I: Processing & Preparing, Algorithms, and Modeling Noah Fahlgren

<https://youtu.be/Vfg8qeVZCe8>

Proposed Research Thrusts Data Management II: Discovery and Reuse

Carolyn Lawrence-Dill

<https://youtu.be/tagsV-riHTM>

Proposed Research Thrusts Data Acquisition I: Biological Features of Data Acquisition Asheesh K Singh

<https://youtu.be/-2guuL4NMas>

Invited Talk Translating Experience from a Pre-Competitive Public-Private Drug Discovery Consortium to Plant Sciences Aled Edwards

<https://youtu.be/rdNtj8oTnj0>

Funding Agency Panel Joe Cornelius

<https://youtu.be/5AOa0Q-kvUQ>

Funding Agency Panel Marc LePage

<https://youtu.be/6GvN1J-OV2w>

Funding Agency Panel Diane Jofuku Okamuro

<https://youtu.be/8YJdBTKmWLC>

Funding Agency Panel Sao Paulo Research Foundation

<https://youtu.be/kjS70dWW1yw>

Industry Panel

<https://youtu.be/rZldqh15GSE>

### **August 31, 2016**

Invited Talk The Value of Plant Phenotyping Networks

Roland Pieruschka

<https://youtu.be/pJEt4R7fxl8>