

# Iowa World Soybean Research Conference

**Wednesday, September 13, 2017**  
**3140 Agronomy Hall, 9:00-4:30**

- 9:00 AM **Jamie O'Rourke and Michelle Graham**, USDA-ARS-CICGRU Welcome
- 9:10 AM **Jacqueline Campbell**, Iowa State University  
Structural and transcriptomic comparisons between soybean reference genomes and soybean's Australian wild relatives
- 9:35 AM **Peter Kyvergya**, Iowa Soybean Association  
Precision Agriculture Technologies and Analytic Tools in On-Farm Research
- 10:00 AM **Michelle Graham**, USDA-ARS-CICGRU  
Leveraging genomic tools to dissect iron deficiency tolerance in soybean
- 10:25 AM **Steve Whitham**, Iowa State University  
Phakopsora pachyrhizi (soybean rust) effector candidates that altar plant immune responses
- 10:50 AM **David Grant**, USDA-ARS-CICGRU  
SoyBase Tutorial
- 11:15 AM **Madan Battacharyya**, Iowa State University  
Arabidopsis non-host resistance genes for enhancing disease resistance in soybean
- 11:40 AM **Gustavo MacIntosh**, Iowa State University  
Genomic context as a determinant for soybean aphid resistance mechanisms and synergistic effects of gene stacking
- 12:05 PM LUNCH and POSTER SESSION, Agronomy Commons, Second Floor
- 1:15 PM **Leonor Leandro**, Iowa State University  
Sudden Death Syndrome in the United States
- 1:40 PM **Aaron Lorenz**, University of Minnesota  
Genomic assisted breeding overview
- 2:05 PM **Kevin Price**, AgPixel  
Using ultra-high resolution multispectral drone imagery for high-throughput phenotyping
- 2:30 PM **Steve Bradbury**, Iowa State University  
Iowa pest resistance management plan: implementing a community-based approach
- 2:55 PM **Matt O'Neal**, Iowa State University  
Neonicotinoid seed treatment use for soybean aphid: opportunities and limitations
- 3:20 PM **Bob Stupar**, University of Minnesota  
Identifying soybean gene function using random and targeted mutagenesis
- 3:45 PM **POSTER SESSION, Agronomy Commons, Second Floor**