



Dispersal Notes

February 2017 News Flyer



Department of Plant Pathology and Microbiology Iowa State University

Calendar

PLPM Seminar is held in 2069 LeBaron Hall at 3:10 pm

PLPM Brown Bag is held in 255 Bessey at noon

February 24th – PLPM Brown Bag, Rachel Voas, Title: “Research project management of interdisciplinary teams”

February 27th – PLPM Research Seminar (Note: location is 347 Bessey Hall), Daniel Sjarpe, Title: “Effect of seed treatment on soybean sudden death syndrome”

February 28th – PLPM Seminar, Dr. Steven Lindow, UC Berkeley and member of National Academy of Sciences, Title: “The many cell density-dependent behaviors of *Xylella fastidiosa*: achieving disease control via pathogen confusion”

March 3rd – PLPM Brown Bag, Dr. Tracy Bruns, Title: “Plant pathology in the seed lab: a tour and discussion on seed health”

March 7th – PLPM Seminar, David Cruz Jimenez, Title: “Biology of soybean root rot caused by *Fusarium oxysporum* and *F. graminearum*”

March 10th – PLPM Brown Bag, Muhammad Raza, Title: “SDS: disease assessment, yield losses, and effect of seed treatment”

March 21st – PLPM Seminar, Dr. David Mackey, Ohio State University, Title: “Studies of model and crop plants reveal molecular and system level functions of a conserved family of bacterial virulence proteins”

March 24th – PLPM Brown Bag, Dr. Gaoyuan Song, Title : “An acetylated bHLH transcription factor plays an essential role in resistance of corn towards northern leaf spot”

March 28th – PLPM Seminar, Dr. Sivramiah Shantharam, ISU Seed Technology and Business Grad Program, Title: “The future of agricultural biotechnology”

March 31st – PLPM Brown Bag, Bridget Janssen, Title: “Building and maintaining a direct market agricultural business”

Recent Publications

Hewezi, T., and Baum, T.J. 2017. [Communication of sedentary plant-parasitic nematodes with their host plants](#). *Advances in Botanical Research* 82:1-20.

Sahoo, D.K., Abeysekara, N.W., Cianzio, S.R., Robertson, A.E., and Bhattacharyya, M.K. 2017. [A novel *Phytophthora sojae* resistance Rps12 gene mapped to a genomic region that contains several Rps genes](#). *PLoS ONE* 12:e0169950.

PLPM Update

Congratulations to Dr. Mitch Elmore (right) for his success in the FY2016 Postdoctoral Fellowship Competition from the Agriculture and Food Research Initiative (AFRI) - Food, Agriculture, Natural Resources and Human Sciences Education and Literacy Initiative. Elmore will receive \$152,000 over two-years for his project entitled “Dynamic protein networks during cereal-fungal interactions”.

Research will be carried out in the laboratories of Roger Wise (USDA-ARS) and co-mentor Justin Walley (ISU Department of Plant Pathology & Microbiology).

The AFRI Food, Agriculture, Natural Resources, and Human Sciences Education and Literacy Initiative (ELI) provides fellowships to undergraduate, predoctoral, and postdoctoral students in the agricultural sciences.



The Iowa Soybean Association held its annual research conference from February 7th to 8th at the Iowa Events Center in Des Moines, IA. Farmers, industry representatives, crop consultants, and researchers attended sessions on a wide range of issues affecting soybeans. Several members of the PLPM department gave talks, including Dr. Gwyn Beattie, Dr. Alison Robertson, Mauricio Serrano (pictured bottom left) and Dr. Gregory Tytko (pictured bottom right).



The Advanced Teaching and Research Building (ATRB) is on track to be completed in early 2018. The photo (below) shows its current state as of 2/23/2017. The building will house the PLPM department and members of other departments. A live feed of the construction can be accessed [here](#).

