



Dispersal Notes

November 2015 News flyer



Department of Plant Pathology and Microbiology Iowa State University

Calendar

- Note: All seminars are located in 262 Lagomarcino Hall and are from 3:10 to 4 pm on Tuesdays.
- November 3rd: Seminar, Dr. Jyotsna Acharya, "Cover crop influences seedling diseases and yield of corn."
 - November 6th: Graduate student lunch at Thai Kitchen, organized by the GSO. Meet outside of the loading docks of Bessey at noon.
 - November 9th: PLPM Annual Apple-Pumpkins Bake-Off, 12-1:30, 240 Bessey Hall.
 - November 10th: Seminar, Dr. Peter Biedermann, "Farming under bark: Ecology and evolution of ambrosia beetle fungiculture."
 - November 17th: Seminar, Dr. Mehdi Kabbage, "Soybean defense mechanisms against *Sclerotinia sclerotiorum*".
 - November 24th: **SPECIAL SEMINAR**, Dr. Mark Belmonte, "Fighting the bully: Comprehensive RNA profiling and laser microdissection of the *Brassica napus* – *Leptosphaeria maculans* pathosystem".

Awards

Augustine Beeman won best oral presentation in the Agricultural and Biological Sciences section at the 9th annual GMAP Research Symposium held in the Memorial Union on October 10th.

Recent Publications

Whigham, E., Qi, Shan, Mistry, D., **Surana, P.**, Xu, R., **Fuerst, G.**, Pliengo, C., Blindscedler, L.V., Spanu, P.D., Dickerson, J.A., Innes, R.Q., Nettleton, D., Bogdanove, A.J., **Wise, R.P.** 2015. Broadly conserved fungal effector BEC1019 suppresses host cell death and enhances pathogen virulence in powdery mildew of barley (*Hordeum vulgare* L.). *Molecular Plant-Microbe Interactions* 28(9): 968-983.

Xu, W., Meng, Y., **Surana, P.**, **Fuerst, G.**, Nettleton, D., **Wise, R.P.** 2015. The knottin-like *Blufensin* family regulates genes involved in nuclear import and the secretory pathway in barley-powdery mildew interactions. *Front. Plant Sci.* 6: 1-18.

Diagnose it!

By: Ed Zaworski

The answer from last month's sample was Burr Oak Blight, correctly answered by Rashelle Matthiesen. Please forward answers for this month's mystery disease to aqbeeman@iastate.edu.

Host: Soybean Symptoms

- Usually appears late in the growing season
- Small black fruiting bodies were found growing near the lower nodes of the stem
- Dark zone lines are present inside of the lower stem and crown of plant.



Stories

PLPM helps train Master Gardeners

On October 10th and 24th, members of the department aided in training Master Gardeners (MGs) in plant pathology. The MGs learned about the difficulties of diagnosing wide variety of diseases, the difference between signs and symptoms, and the difference between a biotic and abiotic disorders.



Lina Rodriguez Salamanca (left) and Grazi Araldi Da Silva (right) teaching Master Gardeners



Grazi Araldi Da Silva assisting with disease diagnosis

GSO organizes new activities

By: Jared Jensen

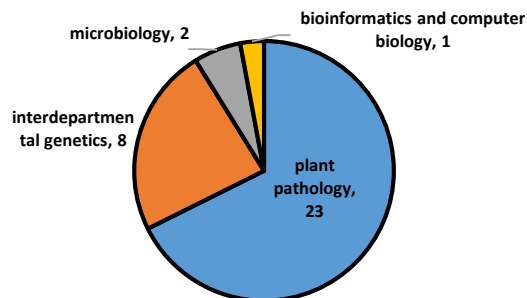
In the past the main goal of the Plant Pathology Graduate Student Organization (GSO) was to organize the department's annual retreat. This year's GSO has carried on this tradition and has also added its own flair. Thanks to the work of Grazi Araldi Da Silva (Treasurer), Renan Kobayashi Leonel (Vice President) and Jared Jensen (President), the GSO has incorporated a few new traditions that it hopes future administrations will continue. New activities have included a spring bowling night, the 'Summer Kickoff Pancake Breakfast', design and sale of an official department polo, and the start of a regular grad student lunch ("Campustown dissemination"). With a few month's left of this administration's term, the GSO plans to run an appeal fundraiser for a department popcorn machine (YUM!), a grad student white elephant gift exchange, and regular prelim prep sessions. If you have any ideas of other potential GSO activities, contact one of the officers and share your thoughts.

Survey: The PLPM Graduate Student Population

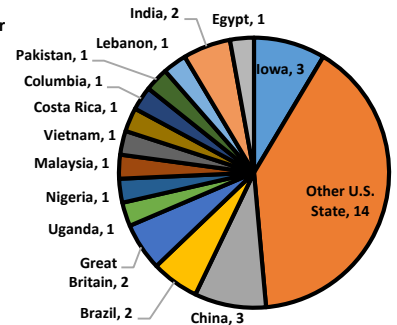
By: Augustine Beeman

An emailed questionnaire and the departmental webpage were used to survey the graduate students. Information was provided or available for 35 graduate students affiliated with the department. The full and complete results from the survey will be available online and in the semester newsletter.

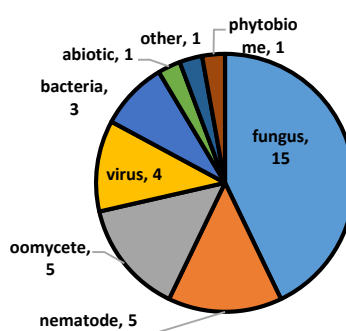
Graduate Major



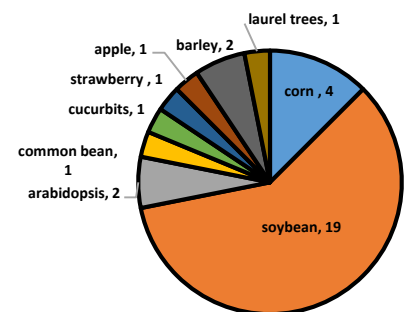
Where are they from?



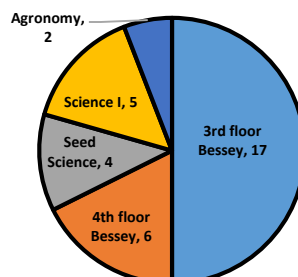
Pathogen studied (can be more than one)



Host plant studied (can be more than one)



Where is your office?



Preferred career after ISU

