

The Davis College Catalyst Program Presents:

MESA – Math & Ecology Synthesis for Agriculture

Tuesday, April 29

5pm Poster Session + Welcome Reception (with heavy hors d'oeuvres!)

Wednesday, April 30: Zoonotic Disease

9:30am Luis Chaves, Indiana University, “Agricultural modes of production and trade and the generation of spaces for disease transmission”

11am David Rasmussen, NCSU, “Learning the determinants of pathogen fitness from one host to the next”

1pm Omar Saucedo, Virginia Tech, “Understanding the dynamics of avian influenza through mathematical modeling”

Thursday, May 1: Pollen & Pollinators

9:30am Kristin Healy, Louisiana State University “The impacts of stressors on honey bees”

11am Amy Veprauskas, University of Louisiana “Quantitative modeling approaches for evaluating species responses to environmental changes”

Friday, May 2: Eutrophication

9:30am Jason Martina, Texas State University “From Nutrient Sinks to Sources: Understanding Wetland Contributions to Eutrophication in the Great Lakes”

11am Jessica Corman, University of Nebraska-Lincoln “Follow the elements: insights on eutrophication from studies of nitrogen and phosphorus cycling”

1pm Christopher Heggerud, University of California Davis “Regime shifts in resource explicit ecological systems”

All events take place at the **Dairy Barn**

Wednesday – Friday

Coffee available beginning 9am

Lunch available 12pm

Interactive networking activities,
panel discussions, and snacks

2:30-4:30 (W, Th) & 12-2 (F)