

Available Faculty Speakers & Seminar Topics, 2018

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Roger Anderson:

Extreme climate events affect the density of the invasive garlic mustard (*Alliaria petiolata*) and disrupt years of alternating abundance of first and second year plants
White-tailed deer (*Odocoileus virginianus*) and fire effects on the density and flowering diversity of tallgrass prairie forbs.

Vickie Borowicz:

Parasitic plants and prairie communities

Diane Byers:

Prairies in the agricultural landscape

Rebekka Darner Gougis:

Science denial and motivated reasoning: How can science educators foster a desire to be accurate?

Kevin Edwards:

Genetic analysis of Dystrophin's roles in fly development

Paul Garris:

Drugs of Abuse
Compensatory adaptations of dopamine neurons following dopamine denervation

Craig Gatto:

How does the Na-pump pump Na?
Strange finding you here: an intracellular role for Na,K-ATPase

Steven Juliano:

Density dependent effects on mosquitoes and the potential for unintended consequences of mosquito control
She's a femme fatale: What are the ecological conditions that produce good disease vectors?
Know your enemy: the role of predators in biological invasions

Alysia Vrailas Mortimer:

Why do we age?
Understanding Muscular Dystrophy

Ryan Paitz:

How do embryos regulate their exposure to environmental chemicals?

Bill Perry

The enemy of my enemy ... may not be my friend: Success and failure of crayfish invasions and dispersal in Europe and the US
Preserving water quality in streams of the Midwestern US streams: what doesn't work and what can we do?

Ben Sadd:

Tough to be a pollinator: increasing problems in the modern world
Mother knows best: trans-generational immunity in insects

Scott Sakaluk:

Maternal Effects and Life-history Evolution in a Songbird
Polyandry and the Evolution of Chemosensory Self-Referencing in Insects
Food Fight: Sexual Conflict and the Evolution of Nuptial Food Gifts in Insects

John Sedbrook:

Using cutting edge genetic tools to rapidly domesticate pennycress as an oilseed-producing winter cover crop.

Wolfgang Stein:

How neurons keep their cool when it is getting hot
Tales of invasions and collision: when action potentials interrupt one another

Andres Vidal-Gadea:

How animals detect and orient to the earth's magnetic field
The effects of Martian physics on terrestrial organisms
Using worms to fight muscular dystrophy
How animals switch gears: molecular basis for gait transitions

Laura Vogel:

The effects of aging on B cell responses and immunity
Humoral immunity in reptiles