

Born to Do Science

2009/2010 Season Schedule

Nov 19, 2009

Cultivating Super Wheat

Nature's Arsenal Provides Protection Against the Aphid Army

Cheryl Baker with the USDA will speak about her research on wheat varieties and their natural resistance to pests such as Russian aphids.

Dec 17, 2009

Breaking Up Bad Bacterial Biofilms

Scientific Espionage in the Battle Against Cystic Fibrosis

Dr. Marianna Patrauchan from the OSU microbiology department will speak about her biofilm research, which may eventually help save lives.

Jan 21, 2010

Building the Bat Family Tree

Molecular Evidence Reveals Bat History

"Bat Man" Dr. Ron Van Den Bussche from the OSU zoology department will speak about his research into the evolution of a family of bats that makes up eight percent of all mammal species.

Feb 18, 2010

Where Should I Put My Wind Farm?

Modeling and Mapping the Oklahoma Windscape

Dr. Steve Stadler from the Oklahoma Wind Power Initiative will speak about his research modeling Oklahoma wind, which is key to developing the state's wind energy resource.

Apr 15, 2010

What is the Shape of the Molecule?

Using X-ray Crystallography to Deduce Protein Structure

Dr. Christina Bourne from the OSU Department of Veterinary Pathobiology will speak about how potential disease-fighting drugs can be developed through understanding the shapes and functions of key protein molecules.

May 20, 2010

The Older the Rock, the Brighter It Glows

Using Luminescence Dating to Determine the Ages of Rocks

Dr. Regina DeWitt from the OSU Physics Department will speak about a dating technique she has developed based on the natural ability rocks accumulate over time to luminesce. Dr. Dewitt's work is funded by NASA and her luminescence dating instrument may be selected for inclusion on a future Mars rover!