



Saturday Morning



Grab a cup of coffee and a bagel and join us for **Saturday Morning Science**—a series of one-hour science talks.

These are not typical science lectures. Expect to be entertained, to see demonstrations, to learn a lot, and—best of all—to want to come back for more.

Saturday Morning Science is free and open to the public. No science background is required. All ages are welcome.

Bagels, donuts, coffee, and juice are served before the talks, so come early. Talks start at 10:30. Doors open and refreshments are available about a half-hour beforehand. Seating is limited to 250.

Questions, Comments, Suggestions

satscience@missouri.edu
<http://satscience.missouri.edu>
twitter.com/satsci

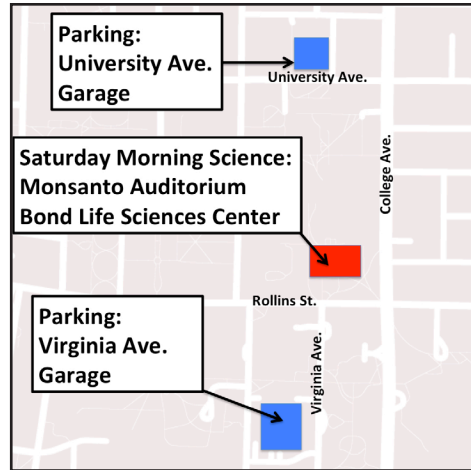
Watch past talks on iTunesU:

<https://itunes.apple.com/us/itunes-u/saturday-morning-science/id525505899>

Saturdays
10:30 a.m. – 11:30 a.m.
Monsanto Auditorium
Corner of Rollins Street & College Avenue

For directions, visit:
<http://map.missouri.edu/?bldg=37156>

Free weekend parking is available in the Virginia Avenue Garage and the University Avenue Garage. The Virginia Avenue Garage is closer but can be busier.



SMS is largely a volunteer effort. Our sponsors provide funding for refreshments, advertising, and occasional external speakers. If you would like to make a tax-deductible contribution to Saturday Morning Science, please contact us at satscience@missouri.edu.

Organizers

Marc Johnson, D Cornelison

With help from:

Abagael Cornelison, Cynthia Scheiner,
Johanna Kramer, Melody Kroll

Thanks to Our Sponsors!



MU Office of Research

MONSANTO



lifesciences



Saturday Morning



Schedule At-A-Glance

- 31 Aug Technology and Traveling Birds
- 7 Sep From Earth Orbit to a Runway in 1 Hour
- 14 Sep Blind to Polarization: What Humans Don't See
- 21 Sep How Old Is a Rock?
- 28 Sep Microbial Methylation Of Mercury: A Solution to the Mystery of Neurotoxin Production!
- 5 Oct Food Insecurity: Tracking Plant Disease Epidemics in the United States
- 12 Oct Save the Whole Family: Disaster Preparedness for Animals and Their Owners
- 19 Oct Mom Was Right: Breakfast Is the Most Important Meal
- 26 Oct Homecoming – NO SMS
- 2 Nov Am Not I a Fly Like Thee?
- 9 Nov Bugs, Burns, and Beauty: Managing the Forests of Rocky Mountain National Park
- 16 Nov Life's Biggest Mystery: What Makes Up an Organism



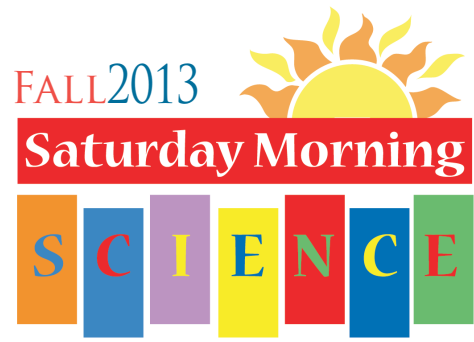
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FALL 2013 SCHEDULE

Saturdays
10:30 a.m. – 11:30 a.m.

Monsanto Auditorium
Bond Life Sciences Center
Corner of Rollins St. & College Ave.



Saturdays 10:30–11:30 a.m.
Monsanto Auditorium
Corner of Rollins St. & College Ave.



31 August

John Faaborg
Biological Sciences

**Technology and
 Traveling Birds**

Technological advances have provided tremendous insight into the details of movement patterns of migratory birds. Here we show advances that provide information on individuals and populations as they move across the hemisphere.



7 September

Steven Nagel
*Mechanical & Aerospace
 Engineering*

**From Earth Orbit to a
 Runway in 1 Hour**

Astronaut-turned-MU professor talks about the challenges of returning from space.



14 September

Meera Chandrasekhar
Physics & Astronomy

Cherry Award Lecture
**Blind to Polarization:
 What Humans Don't See**

New vistas of nature and technology open up when we view objects with polarized light. We'll try out a hands-on activity during the talk; if available, bring your polarized sunglasses and a smartphone/iPad/laptop with you.



21 September

Alan Whittington
Geological Sciences

How Old Is a Rock?

To a geologist, this can be a surprisingly complicated question. Learn about the rock cycle, the history of attempts to determine the age of the Earth, and how scientists finally measured the age of the Earth at 4.55 billion years.



28 September

Judy Wall
Biochemistry

**Microbial Methylation of
 Mercury: A Solution to the
 Mystery of Neurotoxin
 Production!**

Mercury in nature can become the dangerous neurotoxin methylmercury. The source of this toxin was recently discovered. Learn how this discovery will help make us all safer.



5 October

Jim Schoelz
Plant Sciences

**Food Insecurity: Tracking
 Plant Disease Epidemics
 in the United States**

Our food supply is under constant pressure from microorganisms. This talk will focus on the impact of past and current plant disease epidemics on our landscape and our food supply.



12 October

Cathy Vogelweid
Veterinary Pathobiology

**Save the Whole Family:
 Disaster Preparedness
 for Animals and Their
 Owners**

Many problems occur with animals when a disaster strikes. By educating animal owners, there is a better chance of saving the entire family.



19 October

Heather Leidy
Nutrition & Exercise Physiology

**Mom Was Right:
 Breakfast Is The Most
 Important Meal**

Skipping breakfast is a common yet unhealthy habit. In this talk, we'll look at evidence that shows eating a protein-rich breakfast improves appetite control, food intake regulation, and body weight management.



2 November

Bing Zhang
Biological Sciences

Am Not I a Fly Like Thee?

Fruit flies are revealing encouraging findings about human neurological disorders, including substance addiction, Alzheimer's and Parkinson's disease, and fragile X syndrome. Learn what fruit flies can tell us about the human brain.



9 November

Jerry Frank
History

**Bugs, Burns, and Beauty:
 Managing the Forests of
 Rocky Mountain National
 Park**

Americans have long used notions of picturesque beauty and ecology to imagine the forests of the American West. The result is a patchwork landscape that is both a cultural and natural creation.



16 November

Joan Strassman
Washington University-St. Louis

**Life's Biggest Mystery:
 What Makes Up an
 Organism**

Why has life coagulated into evolving beings we call organisms? Cooperation of the parts in service to the whole.