



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

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

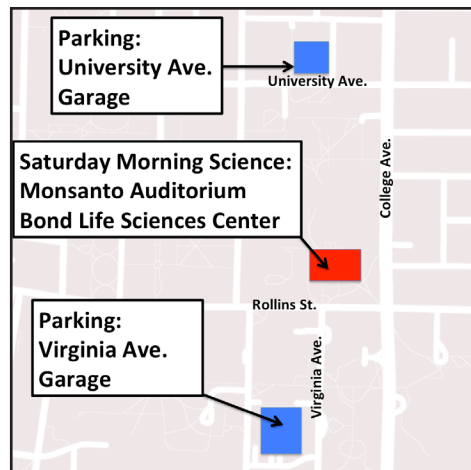
Watch past talks on iTunesU:

<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

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With help from:

Abagael Cornelison, Cynthia Scheiner,
 Johanna Kramer, Melody Kroll

Thanks to Our Sponsors!



MU Office of Research

MONSANTO



Schedule At-A-Glance

- 6 Sep Your Brain, Spiritual Experiences, and Morality
- 13 Sep How Clean is Clean: Challenges of Producing Good Drinking Water
- 20 Sep The Eclipse of a Generation
- 27 Sep MRSA: When an Opportunist Makes its Own Opportunity
- 4 Oct A Peek Inside Magnetic Material: Nanotechnology at Play
- 11 Oct The Mysteries of How Science Gets Done
- 18 Oct Confessions of a Genome Sequencing Addict
- 25 Oct Homecoming - NO SMS
- 1 Nov Regulating from Here to Eternity: Decision-Making Under Uncertainty
- 8 Nov What's Beneath the Sand? Excavating the Fortress at Ayn Gharandal, Jordan
- 15 Nov More than a Gut Feeling: Microbes and Your Mind
- 6 Dec The Secret Lives of Membrane Proteins



FALL 2014 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.



20 September

Angela Speck, *Astrophysics*

The Eclipse of a Generation

A total solar eclipse is coming to the US in 2017. Come learn about eclipses and why EVERYONE should be excited about this coming celestial treat.



11 October

Steve Alexander, *Biological Sciences*

The Mysteries of How Science Gets Done

Who are the scientists? How are they trained and how is research funded? We will discuss the reality of how scientific advancement occurs.



8 November

Carrie Duncan, *Religious Studies*

What's Beneath the Sand? Excavating the Fortress at Ayn Gharandal, Jordan

What was life like as a Roman soldier on the Empire's eastern edge? Excavations at Gharandal uncover exciting and surprising finds beneath the sand.



6 September

Brick Johnstone, *Health Psychology*

Your Brain, Spiritual Experiences, and Morality

This presentation will demonstrate how different parts of the brain and different neuropsychological processes (i.e., self-focus, other-focus) interact to create spiritual experiences and empathetic behaviors.



27 September

Jeffrey Bose, *Microbiology, Molecular Genetics & Immunology, KUMC*

MRSA: When an Opportunist Makes its Own Opportunity

Methicillin-resistant Staphylococcus aureus (MRSA) has become a global public health problem. In a world where antibiotics are failing us, is there a chance to stop it?



18 October

Jerry Taylor, *Animal Sciences*

Confessions of a Genome Sequencing Addict

'Next-generation sequencing' is revolutionizing the rate at which genomic data are being collected, and data generation is becoming addictive. Here we discuss the process of making biological insights from vast amounts of biological data.



15 November

Catherine Hagan, *Veterinary Pathobiology*

More than a Gut Feeling: Microbes and Your Mind

Trillions of microbes inhabit our bodies and they are not just neutral passengers. Learn how bacteria in your gut may affect your brain, mood, and behavior.



13 September

Enos Inniss, *Environmental Engineering*

How Clean is Clean: Challenges of Producing Good Drinking Water

Just because it looks clean doesn't mean it is. Learn about the efforts and challenges of Missouri communities to deliver "high quality H₂O."

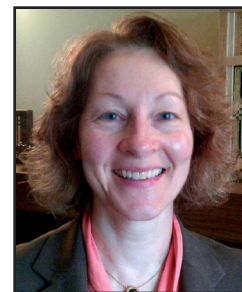


4 October

Deepak Singh, *Physics*

A Peek Inside Magnetic Material: Nanotechnology at Play

Nanotechnology has become an integral part of our everyday living. In this talk, I will give you a nano-peek inside magnetic material of practical importance.



1 November

Kathleen Trauth, *Environmental Engineering*

Regulating from Here to Eternity: Decision-Making Under Uncertainty

How can we comply with regulations for the disposal of radioactive materials when future conditions and activities are uncertain? Come and find out.



6 December

Jason Cooley, *Chemistry*

The Secret Lives of Membrane Proteins

How do molecular machines function in greasy membrane environments? Come learn why the challenges of this environment can facilitate Alzheimer's and Parkinson's diseases.