



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 your 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>

Organizers

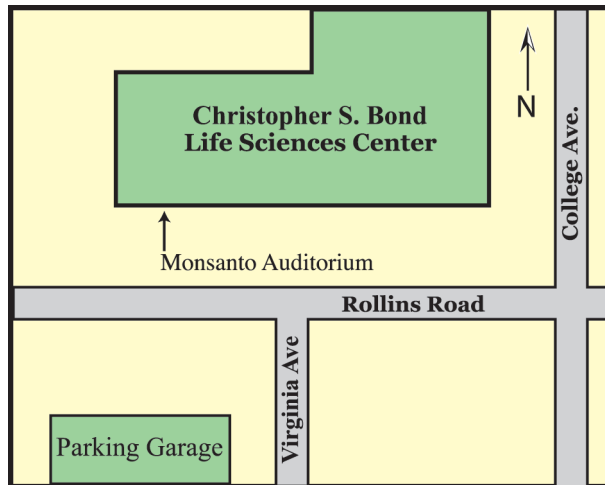
Bruce McClure
Marc Johnson

Saturdays
10:30 a.m. – 11:30 a.m.

Monsanto Auditorium
Corner of Rollins Rd. & College Ave.

For directions, visit:
<http://map.missouri.edu>

Free visitor parking is allowed in the Virginia Avenue Parking Garage (Levels 1, 2, and 3) on the weekends. Entrance to the parking garage is off Virginia Avenue, south of the Bond Life Sciences Center.



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.

Thanks to Our Sponsors!

University
Bookstore



MONSANTO



lifesciences

MU Office of Research



Saturday Morning

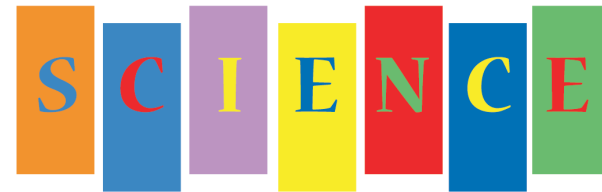


Schedule At-A-Glance

- 11 Sep. Newest fossil evidence of human origins
- 18 Sep. What does it take to pick up a molecule?
- 25 Sep. Alternative energy sources: microbial contributions, real and imagined!
- 2 Oct. Can we coax algae into making hydrogen for fuel?
- 9 Oct. What can MRI tell us about autism and other brain disorders?
- 16 Oct. Are we just meat machines or something more?
- 23 Oct. Why you should exercise, and what happens when you don't
- 30 Oct. The science of brewing
- 6 Nov. Why are some fats good for you when others are not?
- 13 Nov. Dinosaurs exposed! Advanced 3D imaging sheds new light on their lives
- 20 Nov. No SMS. Thanksgiving break
- 27 Nov. No SMS. Thanksgiving break
- 4 Dec. Environmental pollutants: where do they come from and where do they go?
- 11 Dec. Current advances in the science of autism research



Saturday Morning



FALL 2010 SCHEDULE

Saturdays

10:30 a.m. – 11:30 a.m.

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



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



11 September
Newest Fossil Evidence Of Human Origins

Carol Ward

Where did we come from? Thanks to a wealth of new data, paleoanthropologists have a better answer to this question than ever before. We will look at new and exciting fossils and what they tell us about our forebearers.



18 September
What Does It Take To Pick Up A Molecule?

Gavin King

Scientists have long dreamed about seeing and manipulating individual atoms and molecules. This talk will give a “behind the scenes” view of the technology that now makes these types of investigations possible.



25 September
Alternative Energy Sources: Microbial Contributions, Real and Imagined!

Judy Wall

The need for sustainable energy sources is a global priority. Potential supplies are finite, and their conversion into usable fuels offers many challenges and opportunities. What are the promises and problems of the new technologies?



2 October
Can We Coax Algae Into Making Hydrogen For Fuel?

Teresa Thiel
U. of Missouri-St. Louis

Organisms normally work to conserve energy; however, we can use genetic engineering techniques to coax some photosynthetic microbes to convert solar energy into useful products. This talk will focus on the production of hydrogen gas by microalgae.



9 October
What Can MRI Tell Us About Autism and Other Brain Disorders?

Shawn Christ

MRI is a safe, non-invasive tool for assessing brain structure and activity. This talk will focus on how MRI is being used to better understand the effects of treatment in children with autism and other development disorders.



16 October
Are We Just Meat Machines Or Something More?

Andrew Mehnyk

The past 150 years of science give reason to think that everything in the world--from viruses to stars--is made of matter. Are conscious minds an exception? Probably not; they just appear to be.



23 October
Why You Should Exercise, And What Happens When You Don't

Frank Booth

Lack of physical activity speeds biological aging! What suits you better? Being physically active 30 minutes a day, or being dead 1440 minutes per day?



30 October
The Science Of Brewing

John Cannon

The brewer controls character of beer (taste, aroma, color, and mouthfeel) through the judicious application of scientific principles. Learn how brewing beer oozes with aspects of biochemistry, microbiology, and physics to create a refreshing beverage.



6 November
Why Are Some Fats Good For You When Others Are Not?

Kevin Fritsche

Dietary fats, rich in omega-3s, are good for you. Did you know that there are more than one kind of omega-3 fatty acid? Find out which omega-3 is best and why.



13 November
Dinosaurs Exposed! Advanced 3D Imaging Sheds New Light On Their Lives

Larry Witmer
Ohio University

The latest advances in high-tech imaging and 3D computer modeling allows us to peer inside the heads of dinosaurs, shedding new light on the sensory capabilities, brains, and behaviors of dinosaurs.



4 December
Environmental Pollutants: Where Do They Come From, Where Do They Go?

Keith Goynne

Pollutants released into the environment can impact human and ecosystem health. Pollutant types, sources, and fate in the environment will be presented. Veterinary antibiotics will be discussed to provide a focused example.



11 December
Current Advances In The Science Of Autism Research

MU & Thompson Center Researchers

Learn what investigators at the University of Missouri and the Thompson Center are doing to better understand the causes of autism and how interventions help in an interdisciplinary manner.