Saturday Morning SCIENCE

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

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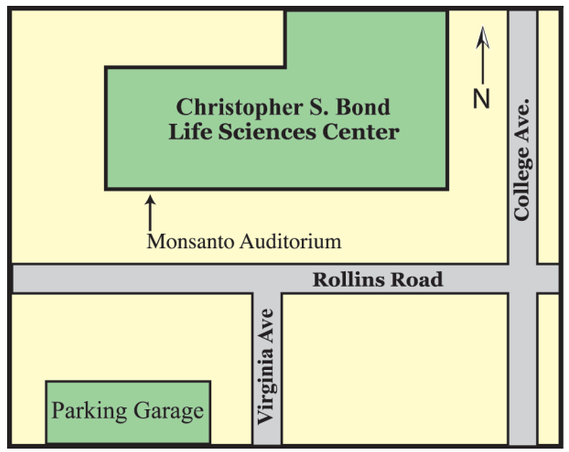
Saturdays
10:30 a.m. – 11:30 a.m.
Monsanto Auditorium
Corner of Rollins Rd. & College Ave.

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.

2011 Organizing Committee

Marc Johnson, Bruce McClure,
Wouter Montfrooij, Martin Appold, D. Cornelison
Rob Duncan, Candi Galen, Melody Kroll,
Mark Milanick, Doug Randall, Mike Roberts,
David Robertson, Marjorie Skubic,
Cynthia Scheiner, Margaret Tollerton

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Schedule At-A-Glance

29 Jan.	Mutant mutts: how can a wobbly dog help us understand brain disease?
5 Feb.	Environmental toxins and offspring health: what all pregnant women should know
12 Feb.	Inside alligators: functional anatomy and evolution
19 Feb.	Weird animals, sex, and the future of men
26 Feb.	How "Eastern" is "Western" science?
5 Mar.	Physicists are always right...Right?
12 Mar.	The lush vegetation of Antarctica: understanding ancient climate from fossil plants
19 Mar.	Neurocriminology: neuroethical and neurolegal implications
9 Apr.	Selenium: the double-edged nutrient
16 Apr.	Heart attacks, and surprising ways you might avoid them
23 Apr.	Nuclear power: nuts and bolts
30 Apr.	Why do Indian people spend so much money on weddings?
4 Jun.	Special SMS: Summer of cicadas

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WINTER 2011 SCHEDULE

Saturdays
10:30 a.m. – 11:30 a.m.

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

29 January

Mutant mutts: how can a wobbly dog help us understand brain disease?

Dennis O'Brien

Our canine companions suffer from the same diseases we do, but their unique evolutionary history makes it easier to tease out the contribution of genetics to disease.

19 February

Weird animals, sex, and the future of men

Jenny Graves
Australian National University

The Y chromosome that makes men male -- where did it come from and what will happen when it disappears?

12 March

The lush vegetation of Antarctica: understanding ancient climate from fossil plants

Edie Taylor
University of Kansas

Today, Antarctica is the coldest, highest, and driest continent. Did you know that more than 200 million years ago it was covered by lush vegetation? Learn about what plants were there, how paleobotanists study them, and what they can tell us about how climates have changed.

16 April

Heart attacks and surprising ways you might avoid them

Chris Baines

What makes a 'healthy heart'? Learn about some of the behaviors that affect this important muscle. Some things may surprise you.

5 February

Environmental toxins and offspring health: what pregnant women should know

Cheryl Rosenfeld

This talk will discuss epigenetics -- the on/off switches that change gene expression. We will focus on how maternal exposure to environmental toxins can manipulate these switches and lead to disease in offspring.

26 February

How "Eastern" is "Western" science?

Mark Smith

Precisely how and how much did thinkers from the Muslim "East" contribute to the development of modern "Western" science? These two interrelated issues, which have aroused considerable controversy of late, are at the core of this talk.

19 March

Neurocriminology: neuroethical and neurolegal implications

Adrian Raine
University of Southern California

Scientific evidence has identified brain abnormalities common to antisocial and violent individuals and certain types of criminals. Should this affect how we assign responsibility for criminal behavior? What do we do with children who have these abnormalities?

23 April

Nuclear power: nuts and bolts

William Miller

This talk will provide an overview of how nuclear plants work and a discussion of some of the issues surrounding nuclear power.

12 February

Inside alligators: functional anatomy and evolution

Casey Holliday

The latest discoveries in crocodilians reveal bird-like lungs, dynamic skulls, herbivorous species, and numerous other insights that dispel the myth that they are "living fossils."

5 March

Physicists are always right ... Right?

Wouter Montfrooij

Too bad they have no idea what they are talking about. Come join us for a journey into the bizarre world of physics and physics' surprising limitations.

9 April

Selenium: the double-edged nutrient

Steve Morris

We will explore the two faces of selenium -- required trace nutrient and toxic element -- and how we study these roles using toenails and a nuclear reactor.

30 April

Why do Indian people spend so much money on their weddings?

Mary Shenk

Indian parents spend loads of money on their kids' weddings. These "wasteful" displays of wealth boost the economy but do little for the couple's economic future. This talk uses theory developed to explain bird and deer behavior to understand these parents' motivation.