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

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**Schedule At-A-Glance**

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<th>Date</th>
<th>Topic</th>
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<tr>
<td>11 Sep.</td>
<td>Newest fossil evidence of human origins</td>
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<td>18 Sep.</td>
<td>What does it take to pick up a molecule?</td>
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<td>25 Sep.</td>
<td>Alternative energy sources: microbial contributions, real and imagined!</td>
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<td>2 Oct.</td>
<td>Can we coax algae into making hydrogen for fuel?</td>
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<td>9 Oct.</td>
<td>What can MRI tell us about autism and other brain disorders?</td>
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<td>16 Oct.</td>
<td>Are we just meat machines or something more?</td>
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<td>23 Oct.</td>
<td>Why you should exercise, and what happens when you don't</td>
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<td>30 Oct.</td>
<td>The science of brewing</td>
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<td>6 Nov.</td>
<td>Why are some fats good for you when others are not?</td>
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<td>13 Nov.</td>
<td>Dinosaurs exposed! Advanced 3D imaging sheds new light on their lives</td>
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<td>20 Nov.</td>
<td>No SMS. Thanksgiving break</td>
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<td>27 Nov.</td>
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<td>4 Dec.</td>
<td>Environmental pollutants: where do they come from and where do they go?</td>
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<td>11 Dec.</td>
<td>Current advances in the science of autism research</td>
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**FALL 2010 Schedule**

**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.

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**Thanks to Our Sponsors!**

- University Bookstore
- Monsanto
- Life Sciences
- MU Office of Research

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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.
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 forbearers.

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.

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?

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.

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.

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?

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.

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.

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.

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.