



Exploring Life Sciences



**Exploring
Life
Sciences
2009**

●

**Monday
April 13**

●

**This is a
wonderful
opportunity
for your
students to
investigate
science and
scientific
research!!**

You and your students are invited to participate in the third annual Exploring Life Sciences Conference at the University of Missouri-Columbia on Monday, April 13, 2009; the first day of MU Life Sciences Week. Life Sciences Week is an annual event held at the Christopher S. Bond Life Sciences Center at the University of Missouri designed to celebrate life science research and science education.

Conference presenters include Dr. Scott Peck, Dr. Randall Prather, Dr. Walter Gassmann, Mizzou undergraduate researchers, and presentations by high school students on their research experience with *Arabidopsis thaliana*. Undergraduate students at MU will present their research and share their experiences as undergraduate researchers. Following the presentations, students will have the opportunity to speak with student and faculty researchers about their work during poster presentation sessions in the Christopher S. Bond Life Sciences Center. This is an outstanding opportunity for students to learn about current scientific research.

Make plans now to be part of this exciting program! There is no registration fee for schools, teachers, or students; however, you must make reservations soon because seating is limited.

CONFERENCE LOCATION



**Christopher S.
Bond
Life Sciences
Center
University of
Missouri**

Monsanto Auditorium
in the
Christopher S. Bond
Life Sciences Center

Make your reservations
ASAP, by contacting:

Deanna Lankford at
dml80@mizzou.edu
or
(573) 446-0448

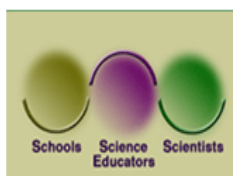
The Life Sciences Building is located on Rollins Street across from Johnston Residence Hall.

See online map for more explicit directions:
<http://map.missouri.edu/memorial-union-south.htm>

See the MU Life Sciences Week webpage for more information:

<http://lifesciencesweek.missouri.edu/>

**THANK YOU
to our
SPONSORS!!**



**MU Division of Biological Sciences
Christopher S. Bond Life Sciences Center
MU Science Education Center
Office of Undergraduate Research**





Conference Schedule

8:00-8:20	Conference Registration
8:20-8:30	Welcome - Dr. Jack Schultz
8:30-9:10	Dr. Scott Peck - Proteomics - the link between genes and protein
9:12-10:10	Dr. Randall Prather - Genes and transgenic organisms
10:12-10:25	Cookies & Conversation - Complements of the MU Science Education Center
10:25-11:00	Dr. Walter Gassmann - Why do research with Arabidopsis?
11:05 - 11:55	Student Presentations - High school student research teams share their research and findings
12:00-12:55	Lunch - Complements of the Division of Biological Sciences
1:00-1:35	Student Presentations - Undergraduate students share their research with the high school students
1:35-3:00	Students will have the opportunity to visit with undergraduate and graduate researchers during their poster presentations throughout the Life Science Center. Posters submitted by high school students will also be on display.

CONFERENCE PRESENTERS



We are very fortunate to have outstanding scientists from MU presenting at the conference!

Dr. Jack Schultz - Dr. Schultz will welcome conference participants to the third annual Exploring Life Sciences Conference.

Dr. Scott Peck - Dr. Peck will discuss his work using proteomics to study host-pathogen interactions and how new technologies allow us to investigate novel aspects of infection and resistance that escaped detection using other methods.

Dr. Randall Prather - Dr. Prather will discuss his work in mammalian reproductive physiology focusing on his research with genetically modifying pigs to provide organs for humans, to study genetic diseases like cystic fibrosis, and to benefit production agriculture.

Dr. Walter Gassmann - Dr. Gassmann will discuss his research with Arabidopsis and explain applications for his research for agriculture and society in general.

Undergraduate Students - The University of Missouri-Columbia offers many opportunities for undergraduate students interested in working in a lab and gaining experience with scientific research.