

# MU LIFE SCIENCES & SOCIETY PROGRAM

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Life Sciences &  
Society Program

## 4<sup>th</sup> Annual Life Sciences & Society Symposium at MU: Biofuels: Initiatives, Challenges, & Opportunities

March 14th & 15th  
Monsanto Auditorium  
Christopher S. Bond Life Sciences Center  
University of Missouri

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The 4th Annual Life Sciences and Society Symposium brings internationally recognized experts to the MU Campus to examine the science behind biofuels and associated social, cultural and economic implications on the state and global communities.

### Rationale

The continuing reliance of the global community on fossil fuels has been a central policy issue in recent years. Environmental concerns over greenhouse gases, finite oil supplies outstripped by growing demand from emerging economies, increasing instability in oil producing states, and record oil prices are some of the main drivers of the public debate.

Against this backdrop, biofuels have been heralded for their promise of improved air quality, enhanced energy security and sustainability, as well as for a more equitable agricultural policy. Along the way, significant investments have been made in research and commercialization.

Nonetheless, questions remain on the ability of biofuels to deliver on their social promise. What role can technology play in overcoming current production limits and in increasing efficiency? What are the relative economic and environmental impacts of biofuels? What regulatory policies and legislative initiatives are needed to advance the technical paths that benefit society?

### Program

**March 14th - 7:00 pm**  
**The LSSP Lecture**

**Opening Remarks by Jack Schultz, Director, MU Life Sciences Center**

**Professor Bruce Dale**

Michigan State University  
"Biofuels: Thinking Clearly about the Issues"

**March 15th**  
**Session 1: 8:00 - 10:00 am**

**Welcome and Opening Remarks by Nicholas Kalaitzandonakes, Interim Director of the Life Sciences and Society Program**

**Moderator:** Dr. Philip Peters, Jr., Ruth L. Huslton Professor of Law (University of Missouri)

**Dr. Martha Schlicher**

VP of Engineering, Renewable Agricultural Energy, Inc.  
"Biofuels in the US: Today and in the Future"

**Dr. Fernando Reinach**

CEO, Alellyx, and Director, Votorantim New Business Ventures  
"Biofuels in Brazil: Today and in the Future"

## Sponsored by:

- Christopher S. Bond Life Sciences Center
- College of Agriculture, Food and Natural Resources
- College of Engineering
- College of Human Environmental Sciences
- Division of Applied Social Sciences
- Economics and Management of Agrobiotechnology Center
- National Center for Soybean Biotechnology
- Office of Research and Economic Development
- School of Law
- Truman School of Public Affairs
- Value Added Center

### **Dr. Jerry Caulder**

Executive Chairman, Finistere Partners  
"The Future of Biofuels: A Venture Capitalist's View"

### **Session 2: 10:30 am - 12:15 pm**

**Moderator:** Dr. Henry Nguyen, MSMC Endowed Professor and Director of National Center for Soybean Biotechnology (University of Missouri)

### **Dr. Hosein Shapouri**

Senior Scientist, USDA  
"Energy Balance of Biofuels"

### **Dr. Anthony Janetos**

Director, Joint Global Change Research Institute  
"Biofuels as a Solution to Global Change"

### **Professor Bill Kovarik**

Radford University  
"Biofuels: Back to the Fuel of the Future"

### **Lunch Buffet in Atrium: 12:15 - 1:00 pm**

### **Session 3: 1:00 - 2:30 pm**

### **Opening Remarks by Senator Christopher S. "Kit" Bond**

**Moderator:** Nicholas Kalaitzandonakes, MSMC Endowed Professor of Agribusiness and Interim Director, Life Sciences and Society Program (University of Missouri)

### **Dr. John Kruse**

Director of Biofuels Analytics, FAPRI, University of Missouri  
"The Economic Impacts of Biofuels: A National Perspective"

### **Dr. Chad Hart**

Head of CARD Biorenewables Policy Division, Iowa State University  
"The Economic Impacts of Biofuels: A Global Perspective"

### **Dr. Marty Romiti**

Director, MERIC  
"Economic Impact of Biofuels on Urban and Rural Communities: A State Perspective"

**Session 4: 3:00 - 4:45 pm**

**“How will Missouri Participate?”**

**Facilitator of Panel Discussion:** Jack Schultz, Director, MU Life Sciences Center

Panel:

**Dr. Ganesh Kishore**

VP, Dupont Science and Technology & Chief Biotechnology Officer

**Mike Mills**

Deputy Director, Missouri Department of Economic Development

**Representative Steve Hobbs**

Missouri House of Representatives

**Dale Ludwig**

CEO, Missouri Soybean Association

Panel Discussion

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