

## AGENDA

### Societal Issues Arising from Synthetic Biology: What Lies Ahead

Hosted by the Alfred P. Sloan Foundation, the U.S. Department of Energy,  
and the Woodrow Wilson International Center for Scholars

November 8 – 9, 2010

*Meeting Location:* Woodrow Wilson International Center (Wilson Center)  
One Woodrow Wilson Plaza, 1300 Pennsylvania Ave., NW, Washington, DC 20004-3027

*Meeting Co-Chairs:* Lori Knowles, University of Alberta and David Rejeski, Wilson Center

#### Monday, November 8, 2010

9:00 – 9:30 AM: Welcome and Introductions (*Morning Plenary Sessions in 5<sup>th</sup> Floor Conference Room*)

9:30 – 10:30 AM: Plenary 1: What synthetic biology is and what it can (currently) do. What are the potential game-changers?

John Glass, the J. Craig Venter Institute (Venter Institute)

Nathan Hillson, Lawrence Berkeley National Laboratory (LBNL)

10:30 – 10:45 AM: BREAK

10:45 – 11:15 AM: Plenary 2: The Evolution of ELSI, where it is today, and how it could respond to Synthetic Biology. What are the potential game-changers?

Tom Murray, the Hastings Center

11:15 AM – 12: 45 PM: Plenary 3: Overviews of ongoing Sloan and DOE Projects (10 minutes for each)

#### Sloan Foundation Projects:

*Wilson Center:* Risks Perceptions Associated with Synthetic Biology: David Rejeski

*Wilson Center:* To ensure safety in the DIYBIO movement: Jason Bobe

*Hastings Center:* Ethical Issues in Synthetic Biology: Tom Murray or Greg Kaebnick

*Caltech*: Application of Engineering Metaphors and Concepts in Synthetic Biology: Andrea Loettgers

*NAS*: International Opportunities and Challenges in Synthetic Biology: Anne-Marie Mazza

*Biobricks*: Engaging the Synthetic Biology Research Community on Societal issues: Holly Million

*Venter Institute*: Societal Concerns in Synthetic Genomics: Paul Thompson

**DOE Projects:**

*LBNL*: Engineering and Assessment of Fitness and Failure in Genetically Engineered Microorganisms in Simple and Complex Environments: Nathan Hillson

*Venter Institute*: Managing Risks of Synthetic Biology: Assessing the U.S. Regulatory Systems: Bob Friedman

## Tuesday, November 9, 2010

- 8:45 – 9:00 AM: Summary of Previous Day and Instructions to New Breakout Groups  
(6<sup>th</sup> Floor Board Room)
- 9:00 – 10:45 AM: Breakout Groups:
- 1) Legal and economic issues ( )
  - 2) Societal and public policy issues (6<sup>th</sup> Floor Board Room)
  - 3) Public Acceptance and Understanding issues (4<sup>th</sup> Floor Conference Room)
- 10:45 – 11:30 AM: Report from Breakout Groups - 15 minutes each (6<sup>th</sup> Floor Board Room)
- 11:30 AM -12:30 PM: Lunch in Wilson Center Café (6<sup>th</sup> Floor)
- 12:30 – 1:30 PM: General Discussion (Meet in 5<sup>th</sup> Floor Conference Room for entire afternoon session)
- 1:30 – 2:30 PM: Summary comments: Perspectives on Societal Challenges from Synthetic Biology and Research Needs
- Joyce Tait, the Innogen Center, University of Edinburgh  
Lori Knowles, University of Alberta
- 2:30 – 3:00 PM: Next Steps and Meeting Wrap-up  
Meeting Co-Chairs (Lori Knowles and David Rejeski)  
Representatives from Sponsoring Organizations (Paula Olsiewski, Sloan Foundation and Libby White, DOE)