

Biological and Environmental Research Advisory Committee (BERAC) meeting  
Hilton Washington DC/Rockville Hotel and Meeting Center  
1750 Rockville Pike, Rockville, Maryland 20852

October 18-19, 2018

**AGENDA**

**Thursday, October 18**

- 8:30 – 9:00 Welcome and member introductions and comments
- 9:00 – 9:30 News from the Office of Science – Dr. Steve Binkley, Deputy Director for Science
- 9:30 – 10:00 News from BER – Dr. Sharlene Weatherwax, Associate Director
- 10:00 – 10:30 News from Biological Systems Science Division – Dr. Todd Anderson
- 10:30 – 10:45 BREAK
- 10:45 – 11:15 News from Climate & Environmental Sciences Division – Dr. Gary Geernaert
- 11:15 – 11:45 Early Career Science Presentation: *Engineered and emergent properties of a synthetic microbial mutualism* – Dr. Jake McKinlay, Indiana University
- 11:45 – 1:00 LUNCH ON YOUR OWN
- 1:00 – 1:45 Facilities Integrating Collaborations for User Science (FICUS) and other joint facility collaborations – Drs. Harvey Bolton, PNNL & Nigel Mouncey, LBNL
- 1:45 – 2:15 Workshop Report Brief: Earth System Modeling – Dr. Dorothy Koch, BER
- 2:15 – 2:30 Workshop Brief: Genome Engineering for Materials Synthesis (GEMS) – Dr. Seema Singh, BER
- 2:30 – 2:45 BREAK
- 2:45– 3:45 BERAC Science Talk: *Biofuel Sustainability Ten Years On* – Dr. G. Philip Robertson, Michigan State University
- 3:45 – 4:15 Report from Subcommittee on Facility Evaluation and Alignment – Dr. Bruce Hungate
- 4:15 – 5:00 Report discussion/concurrence; Open business
- 5:00 – 5:15 Public comment
- 5:15 ADJOURN

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**Friday, October 19**

- 9:00 – 9:30 News from the Office of the Under Secretary of Energy for Science –  
Under Secretary Paul Dabbar
- 9:30 – 10:00 Workshop Report Brief: Atmospheric River Tracking Method Intercomparison  
Project - Dr. Ruby Leung, PNNL
- 10:00 – 10:30 NAS Report Brief: Science Breakthroughs to Advance Food and Agricultural  
Research by 2030 – Dr. Greg Lowry, Carnegie Mellon University
- 10:30 – 10:45 BREAK
- 10:45 – 11:30 Energy Sciences Network (ESNet) update – Dr. Inder Monga, LBNL
- 11:30 – 12:15 Open business (new charge) and discussion
- 12:15 – 12:30 Public Comment
- 12:30 ADJOURN