

Biological and Environmental Research Advisory Committee (BERAC)

Fall Meeting

Hilton Canopy

940 Rose Ave, North Bethesda, Maryland 20852

October 24-25, 2019

Thursday, October 24

- 8:30 – 9:30 Welcome and member introductions and comments
- 9:30 – 10:00 News from the Office of Science – Chris Fall, Director for Office of Science
- 10:00 – 10:30 News from BER – Sharlene Weatherwax, Associate Director for BER
- 10:30 – 10:45 BREAK
- 10:45 – 11:15 News from Biological Systems Science Division – Todd Anderson
- 11:15 – 11:45 News from Climate & Environmental Sciences Division – Gary Geernaert
- 11:45 – 1:00 LUNCH ON YOUR OWN
- 1:00 – 2:00 BERAC Science Talk: *How is decadal variability in the tropical Pacific linked to sea ice variations in the Arctic and Antarctic?* – Jerry Meehl, NCAR
- 2:00 – 2:30 Workshop Brief: Precipitation Metrics – Ruby Leung, PNNL
- 2:30 – 2:45 BREAK
- 2:45 – 3:15 CESD COV report – Jim Hack, ORNL and COV Chair
- 3:15 – 3:45 Artificial Intelligence: Status and Opportunities – Kerstin Kleese van Dam, BNL
- 3:45 – 4:15 Report from AI for Science Town Halls – Barbara Helland, Associate Director for ASCR
- 4:15 – 5:00 BERAC Discussion (AI in BER research areas; other business)
- 5:00 – 5:15 Public comment
- 5:15 ADJOURN

Friday, October 25

- 9:00 – 9:30 Early Career Science Talk: *Impacts of dynamic soil redox on Tropical soil microbiomes and biogeochemical transformations* – Jennifer Pett-Ridge, LLNL
- 9:30 – 10:00 Early Career Science Talk: *Deconstructing the metabolic webs of microbiomes within biological soil crusts* – Trent Northern, LBNL
- 10:00 – 10:30 EMSL Facility Update – Douglas Mans, PNNL
- 10:30 – 10:45 BREAK
- 10:45 – 11:15 Diversity and Inclusion in the Office of Science – Julie Carruthers, DOE
- 11:15 – 12:00 BERAC Discussion (D&I; new charge; other business)
- 12:00 – 12:15 Public comment
- 12:15 ADJOURN