Biogeochemistry and Environmental Science and Sustainability (BESS) Spring 2017 Seminar Series

Friday afternoons – 4PM – Morison Room (A106), Corson Hall
Beverages and snacks provided

January 27
Post-fire soil carbon dynamics: transport of particulate and dissolved pyrogenic carbon in fire-affected soils
Asmeret Asefaw Berhe, University of California, Merced
(Susan Cheng, Sjc265)

February 3
Soil microbial responses to nutrient availability: observations from natural gradients and manipulative experiments
Bonnie Waring, Utah State University
(Chelsea Morris, ckm63)

February 10
BESS Student Symposium
Suzanne Pierre, Ellie Goud, Wade Simmons, Chelsea Morris
(Angela Possinger, arp264)

February 17
No Seminar: February Break

February 24
Searching for simplicity amidst the complexity of the soil microbiome
Noah Fierer, University of Colorado, Boulder
(Sue Pierre, sp969)

March 3
Understanding the influence of soil properties on plant-microbe communication using novel biosensors
Tara Webster, Cornell University

March 10
Ebb and flow in soil down below: The ups and downs of rhizosphere resource exchange
Zoe G Cardon, The Ecosystem Center, Marine Biological Laboratory, MA
(Rachel Hestrin, rh482)

March 17
Mapping Carbon Flow through Soils: Ecosystem and Global impacts
Marco Keiluweit, University of Massachusetts Amherst
(Katie Grant, keg89)

March 24
Urban soil ecosystem services--the good the bad and the ugly
Richard Pouyat, Forest Service, Research & Development, Washington DC
(Natalie Morse, nrb75)

March 31
No Seminar

April 7
No Seminar: Spring Break

April 14
From plant inputs to soil organic matter formation through the eyes of isotopes
Francesca Cotrufo, Colorado State University
(Natalie Bray, nab244)

April 21
Critical zone biogeochemistry under semi-arid climate
Jon Chorover, University of Arizona
(Alida Perez Fodich, ap868)

April 28
Directing Traffic in the Rhizosphere: How Microbes Shape the Flow and Fate of Root Carbon
Jennifer Pett-Ridge, Lawrence Livermore National Laboratory
(Taylor Cyle, ktc35)

May 5
Next Generation Representation of Coupled Carbon and Nutrient Dynamics in Earth System Models
Bill Riley, Lawrence Berkeley National Laboratory
(Charlotte Levy, ctrl222)

Speaker hosts are indicated in ( ).
For additional information, contact biogeo@cornell.edu

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