BIOE 594.01B: Seminar - Soil Ecology - Opening the Black Box

Ylva Lekberg
University of Montana - Missoula
Opening the Black Box – What can Founding Papers in Ecology Teach Us about Soil Microbial Interactions?

Time: Thur 3.40 – 5.00pm. Stone 113
Instructor: Dr. Ylva Lekberg (ylekberg@mpgranch.com)

28 Aug. Introduction to Soil Ecology

4 Sept. The Ecological Niche

11 Sept. The Neutral model for species distributions
   Founding paper: Rosindell et al. 2012. The case for ecological neutral theory. TRENDS 27: 203-208

18 Sept. Life-history strategies

25 Sept. Succession
   Founding paper:

2 Oct. Drivers of Diversity

9 Oct Island Biogeography

16 Oct Food webs – energy transfer, complexity and stability

23 Oct. Trophic cascades
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<th>Date</th>
<th>Topic</th>
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<tr>
<td>30 Oct.</td>
<td>Climate change: What do we know about responses by soil biota?</td>
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<tr>
<td>6 Nov.</td>
<td>Methodological advances: What tools are available in soil ecology?</td>
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<td>13 Nov.</td>
<td>Statistical issues and experimental design</td>
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<td>20 Nov.</td>
<td>Invasion: Are there invasive soil microbes and are they behaving like</td>
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<td>4 Dec.</td>
<td>Micro to Macro: How is soil ecology reshaping ecological theory?</td>
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