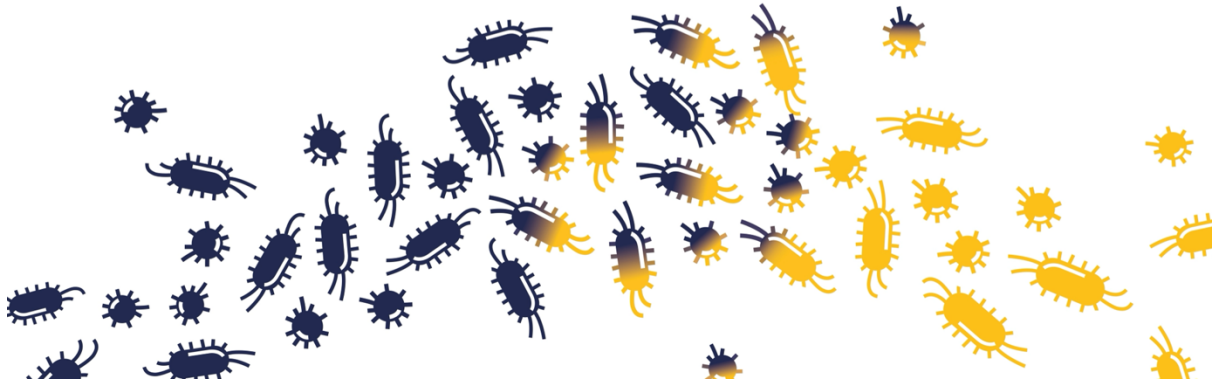


# GAMEchange

Global Adaptation of Soil Microbes  
under Environmental Change

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GAMEchange workshop 2026

Microbial eco-evo impacts on  
biogeochemistry

January 30, 2026

**UC Irvine (NS2, room 4201)**

9:00-9:05	5 min	Introductory remarks	GAMEchange team
9:05-9:20	Talk (10+5)	Presentation of the GAMEchange project	Elsa Abs

### Part I. Starting with Diversity

9:20-9:40	Talk (15+5)	Evidence for the impact of microbial diversity on biogeochemistry	Steve Allison
9:40-10:00	Talk (15+5)	Rethinking microbial ecological classification	Kathleen Treseder
10:00-10:20	Talk (15+5)	Trait-based vs. ecology-based approaches to reducing microbial diversity	Xin Zhi Khoo and Elisa Richard

10:20-10:50 Coffee Break

10:50-11:10	Talk (15+5)	Modelling soil prokaryotic traits across environments	Jonathan Donhauser
11:10-11:30	Talk (15+5)	A first metagenome-parameterized ecosystem model	Zhen Li
11:30-12:00	Discussion	Next steps to improve our understanding of the impact of microbial diversity on biogeochemistry	GAMEchange team

12:00-13:00 Lunch Break

### Part II. Integrating Evolution

13:00-13:20	Talk (15+5)	Theoretical grounds for approaching microbial adaptation in nature	Jennifer Martiny
13:20-13:40	Talk (15+5)	Insights from experimental evolution	Alejandra Rodriguez Verdugo
13:40-14:00	Talk (15+5)	Eco-evolution in microbial communities	Maria Rebolleda Gomez
14:00-14:20	Talk (15+5)	Investigating bacterial evolution in nature with metagenomics	Abby Simpson

14:20-14:50 Coffee Break

14:50-15:10 Talk (15+5)

Adaptive differentiation and rapid evolution of a soil bacterium along a climate gradient

Alex Chase

15:10-16:30 Discussion

Next steps to improve our understanding of the impact of microbial evolution on biogeochemistry

GAMEchange team

### Organizing Committee

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