



THE LIFE CYCLE OF THE ELEMENTS: ROCKS, SOILS, ORGANISMS, ENVIRONMENT (X-LEAP) A CHESS 2030 WORKSHOP

July 28-29, 2021

This workshop will identify forefront research questions probing the life cycle of elements, especially metals, moving through the environment and living organisms, from geological and man-made sources through the soil microbiome and into living tissues and cells.



Wednesday, July 28th

Session 1: **Geological/geochemical impacts on environment**

Session 2: **Soil-microbe-plant interfaces**

Thursday, July 29th

Session 3: **Use of elements by cells**

Session 4: **Impact of environment on living organisms**

In addition to these four topical sessions, the workshop will include an "Idea Slam" consisting of contributed presentations, 3-5 minutes each.

Featuring invited presentations by:

Rachelle Gaudet, Harvard University

Mary Lou Guerinot, Dartmouth

Megan Holycross, Cornell University

Jeeyon Jeong, Amherst College

Johannes Lehmann, Cornell University

Karin Limberg, SUNY College of Environmental Science and Forestry

Matt Limmer, University of Delaware

Greg Lowry, Carnegie Mellon

Darcy McRose, CalTech

David Mendoza-Cózatl, University of Missouri

Matteo Minghetti, Oklahoma State

Jasquelin Pena, UC Davis

Ingrid Pickering, University of Saskatchewan

Carla Polo, LNLS

Jessica Stromberg, CSIRO

REGISTER TODAY!

Workshop Organizers: Mary Lou Guerinot (Dartmouth); Karin Olson Hoal (Cornell); Matthew Reid (Cornell); Olena Vatamaniuk (Cornell)

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