

Eawag Seminar Invitation

Context matters: agathokakological roles for redox-active "antibiotics"

Speaker Prof Dianne K. Newman, California Institute of Technology, Pasadena, USA

When December 9, 16:00 – 17:00, CET

Where Online via Zoom, contact seminars@eawag.ch for access details.

Abstract In this talk, Dr. Newman will explain what "agathokakological" means and how this word can help us understand the varied roles microbially-produced redox active metabolites play in diverse contexts, from the soil to chronic human infections. These compounds, many of which are striking pigments that change color when they are oxidized or reduced, can serve as potent toxins or as lifelines for the cells that produce them according to their microenvironment and physiological state. She will discuss how we can harness our understanding of these molecules to develop new tools to control microbial populations and communities.