## Program

Minisymposium on Current Aspects of Ecological and Evolutionary Microbiology

emphasizing the Role of abiotic and biotic microscopic Particles in climate related Processes and the Transport and Survival of Microorganisms in the Atmosphere

## From Particles in the Atmosphere to microbial Diversity in Snow, Ice, Water and Rocks of high-mountain Ecosystems

08.30	Kurt Hanselmann	Introduction to the Symposium Topics
Session 1:	Guest Lectures chaired by Sonja Brockmüller and Davy Depreiter	
08.40	Helmut Brandl, guest speaker Institute of Environmental Sciences, University of Zürich	<ul> <li>Particle counting and monitoring of indoor and outdoor airborne microorganisms</li> </ul>
09.20	Ralf Kägi, guest speaker EMPA Dübendorf	• Particles at Jungfraujoch: Where do they come from ?
10.00	INTERMISSION	
Session 2:	Microbial Diversity in Sow and Ice chaired by Samuel Wüest	
10.20 10.40	Simon Krattinger Sonja Brockmüller	<ul> <li>Microbial Diversity at "The Top of Europe"</li> <li>Red snow, black snow, white snow: microbial life at the water triple point</li> <li>The Gene Reservoir in aquatic high-mountain Ecosystems</li> </ul>
11.00	Munti Yuhana	
Session 3:	Guest Lecture chaired by Simon Krattinger	
11.20	Janine Kessi Institute of Plant Biology / Microbiology University of Zürich	<ul> <li>Formation of elemental selenium particles through microbially- mediated selenite reduction</li> </ul>
12.00	LUNCH	
Session 4:	Guest Lecture chaired by Samuel Wüest	
13.00	Harald Sodemann, guest speaker Institute for Atmospheric and Climate Science ETH Zürich	Origin and transport pathways of Saharan dust
Session 5:	Microbial Diversity in Rocks chaired by Simon Krattinger	
<b>Session 5:</b> 13.40 14.00	<b>Microbial Diversity in Rocks</b> chaired by Simon Krattinger Davy Depreiter Samuel Wüest	<ul> <li>Microbial DNA extracted from Piora Dolomite</li> <li>Phylogenetic identification of microorganisms in ice samples for the samples of the samples of</li></ul>
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Following the minisymposium there will be a course party in the Carriage House to which all course participants and minisymposium participants are invited.