



Seminar(i)

Bacterial response and adaptation to temperature changes

Macarena Toll Riera

ETH Zurich – Switzerland

Temperature is a key environmental factor that affects all organisms. In the context of on-going global warming, it is of crucial importance to understand how organisms respond and adapt to temperature increases, especially organisms inhabiting cold-environments, which cover most of the Earth's surface. In this talk I will present results from two on-going projects. In the first project we explored the limits of thermal adaptation in a cold-adapted bacterium by means of laboratory evolution experiments coupled to whole genome sequencing. In the second project we performed transcriptomics at different temperatures to study how a cold-adapted bacterium responds to temperature changes.

WHERE?

Seminar room – SS6
(Institutes building floor -1)

WHEN?

Thursday 05/03/2020 – 12:00 h

LANGUAGE?

English