

Exploration of subsurface microorganisms with single cell techniques

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Abstract: I will review recent work performed by my group on the genome and phenome analyses of individual microbial cells in their natural environment. I will introduce the key concepts, rationale and instrumentation behind these technologies, along with examples of their application. Next, I will focus on results from deep subsurface microbiome studies, including SURF. Together, these examples showcase new insights and opportunities offered by studies of individual microbial cells.

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