

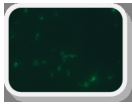


[Sampling site](#) where *Streptomyces* sp. PCB7 - the first microorganisms dem

Soil uptake of atmospheric H — **discovery of the missing link**

The isolation of several *Streptomyces* demonstrating the ability to oxidize atmospheric CO

Long-term objective: Predict the impact of global change on the budget of atmospheric H
Funding: NSERC-Discovery and Joint Genome Institute (Community Sequencing Progra



CARD-FISH to visualize the expression of high affinity CO₂ hydrogenase in the spores of *Streptomyces*

Image: Jennifer Pratscher.

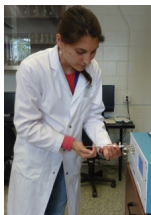
Characterization of a hydrogenase demonstrating unusual properties

We are currently employing *Streptomyces avermitilis* as a model microorganism to shed light on the physiology of

Long-term objective: Improve the yield of secondary metabolites production, biodegradation and other

Funding: NSERC-Discovery

□ Arrangement of the auxiliary and structural genes of the putative high affinity [NiFe]-hydrogenase in *Silvane*



Liliana measuring the soil uptake of atmospheric CO.

Identification of the microorganisms responsible for the soil sink of atmospheric CO

A new research project in *Frontiers in 2022* above *Microbiology* issue the "carbon cycle" of impact of microorganisms in the soil

Funding: FRQNT-New Researcher Start-Up program

