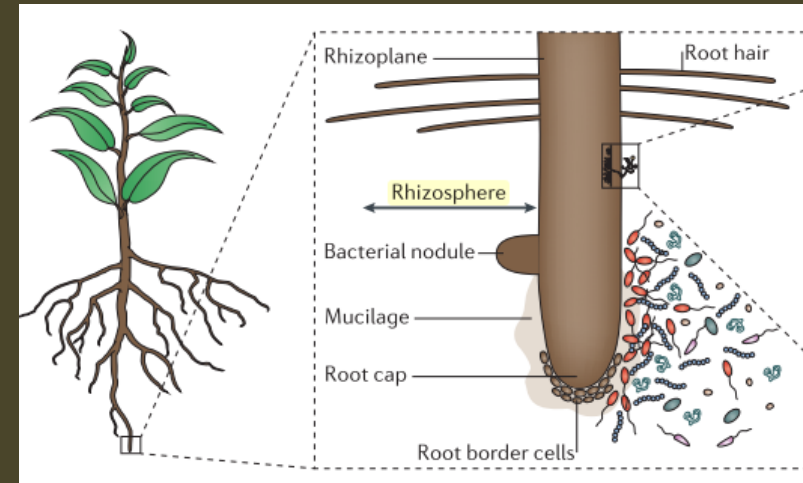


How are root exudates affecting soil microbial community dynamics and decomposition processes at small spatial scales?

MEC-4 projects can be embedded within a project investigating the Rhizosphere Priming Effect, focusing on the following topics in SS 2019:

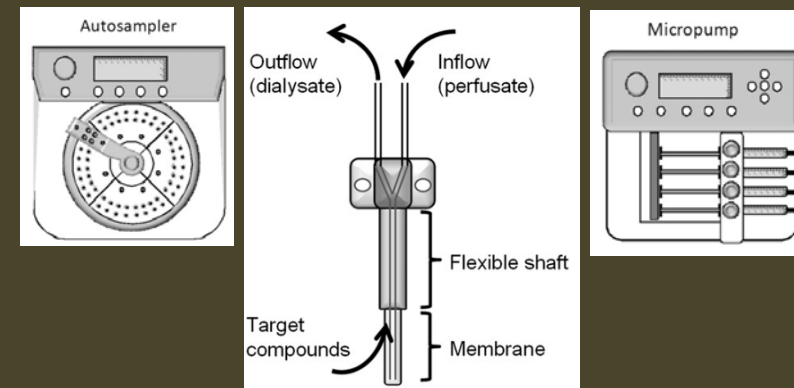
- Simulating root exudation with microdialysis: Effect of different substrates and nutrient contents
- Analysing real-time extracellular enzyme activities in soil hotspots using microdialysis

Rhizosphere Priming:



Phillipot 2003, Nature Reviews

The Microdialysis Approach:



Inselsbacher et al, 2011, Soil Biology and Biochemistry



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