

Pete-Bottemley - looking at microbial ecology via two distinct paradigms: individual bacteria' genomes and soil microbial communities

Microbiology community - frequently people work on one side or other. He is going to talk about both.

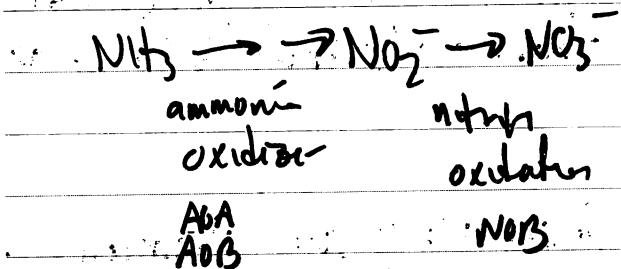
- ① Venter failed to sequence soil community?
- ② Intro to micro. ecol.:
 - lots of bacteria in soil
 - fungi - commonly ignored
- ③ His system: experimental tree plantations
 - different mixes of Douglas fir + red alder
 - two different sites
 - interested in this in particular in relation to N₂

"You can taste the kind of acidity on your tongue!"

- ④ Uses Ab to KO fungi or bacteria.
Then looks at N uptake

q and A gene copy #

Genomes + Nitrikation



Nitrobacter - related to Bradyrhizobium

(Issue 165)

compared three genomes

N. hamburgensis, *N. winogradskyi*, *N. sp.*

Many microbes prefer D^- -isomers

Prophets like looking at craters on the moon "off closes the diaper of the ammonia oxidizer"