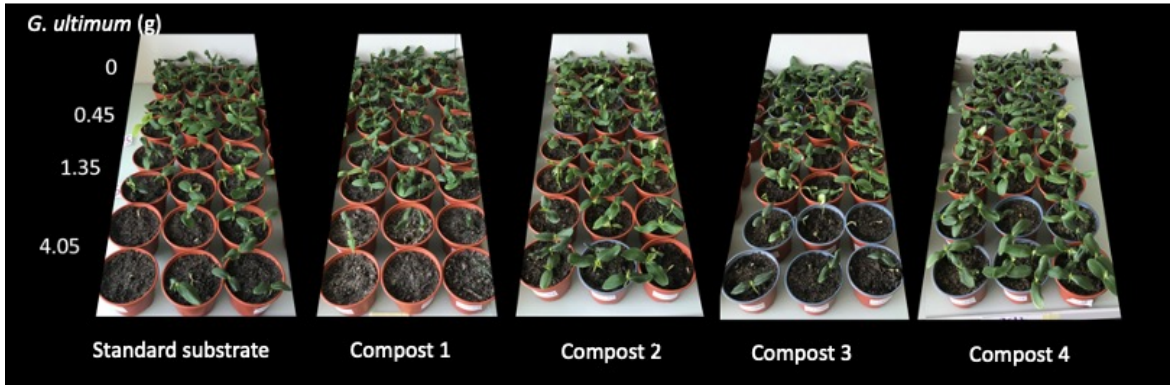
Disease suppression by composts and plant-beneficial *Pseudomonas*

Observation: Certain composts are highly suppressive to soilborne diseases, while others are not. What makes composts disease suppressive and how?

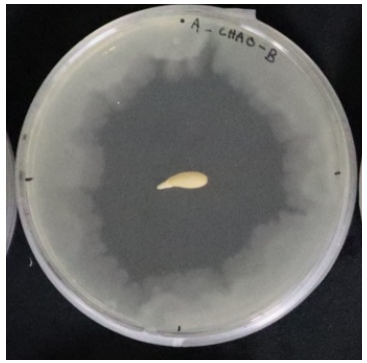
Cucumber seedling infected by *Rhizoctonia* solani.

Compost

- *You* investigate which microbes in the compost are responsible for disease suppression and what are the underlying mechanisms.
- One group of bacteria you could look at are plant-beneficial *Pseudomonas.*



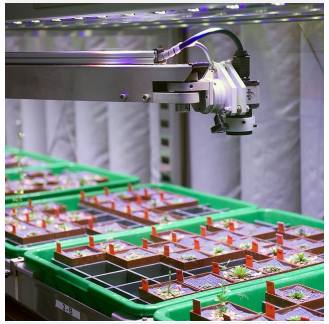
Suppression of *Globisporangium ultimum* varies between different composts.



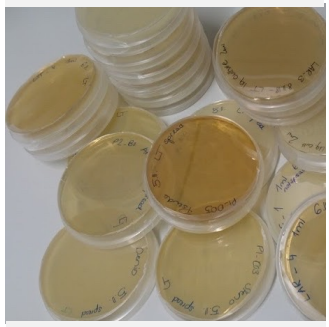
Fluorescent plant-beneficial *Pseuodomonas* in a swarming assay and in liquid culture under iron limation

You learn/work with:

Plant pathogens



Growth chambers



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