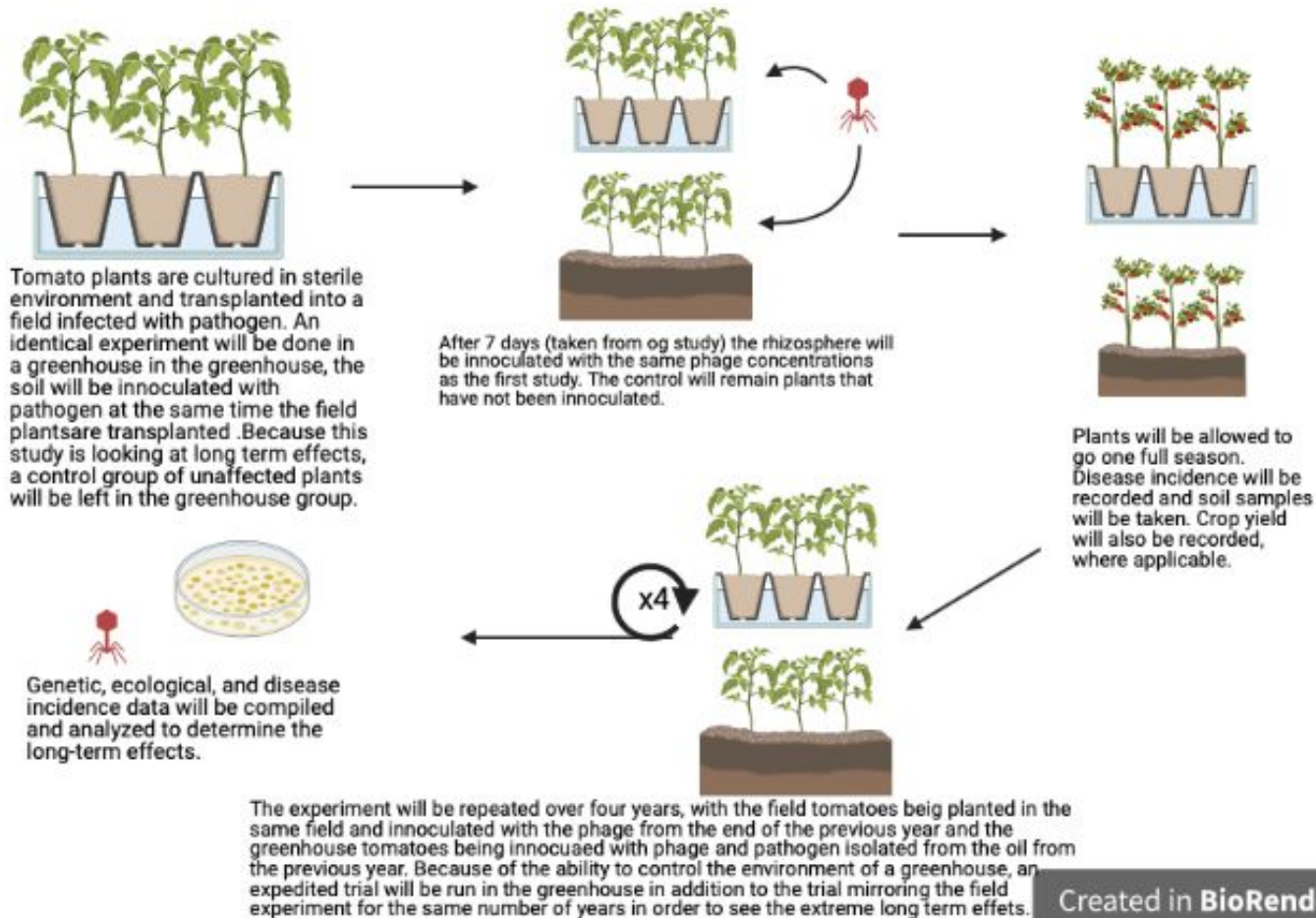


TE

1. One thing I noticed was that this study only evaluated phage therapy over the course of the life of one plant. I have questions as to whether this would be an effective long-term therapy or whether the bacteria would eventually evolve mechanisms to both overcome phage infection and maintain nutrient intake.
2. I do not understand figure 2b. Maybe I'm just not getting it but I just fully do not know what it is showing. I wonder if Ian knew what it meant.
3. It didn't seem like the tomato plants fruited in this study, or at least they didn't mention it. I'm curious as to whether the phage therapy would have any effect on that; I would assume it increases fruiting since the leaves are less wilted and a greater rate of photosynthesis can occur.
4. Is it possible to identify a phage that binds to an incredibly essential receptor, such as one that serves as the receptor for a key signal or nutrient, and utilize that in phage therapy so any attempt to evolve resistance through the receptor would be impossible?

Experiment: long term phage therapy



Proposed Experiment: creating an "evolution proof" phage

