When under attack, plants can signal microbial friends for help

UD profs Harsh Bais (right) and Kirk Czymmek are shown with Arabidopsis plants in a growth chamber at the Delaware Biotechnology Institute.

This Arabidopsis plant infected with the pathogen Pseudomonas syringae shows typical yellowing and disease symptoms.

This plant’s roots were treated with the beneficial bacterium Bacillus subtilis
The green represents the beneficial bacterium Bacillus subtilis, which has formed a biofilm on the Arabidopsis root surface.