A new antibiotic kills pathogens without detectable resistance

Ling and Schneider et al, 2015 Nature doi:10.1038/nature14098

"Teixobactin is the first new class of antibiotic announced in decades."

uncultivated bacteria could be a sourc

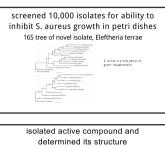
of novel compounds and antibiotics

99% of bacteria cannot be isolated from single cells
on petri dishes.

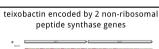
If an initial colony can be grown, 50% of bacterial ca then be cultured on petri dishes.



put IChip in soil to cultivate bacteria



teixobactin is a peptide of 11 amino acids



proteins synthesize a peptide independent of ribosom domains in synthases are same order as amino acids



