

# Treat Bacteria with More Bacteria

Would you treat a patient suffering from a bacterial infection using engineered bacteria?



I can help you!



More than **2.8 million** antibiotic-resistant infections occur in the U.S. per year, with **35,000 deaths** as a result.

18

listed antibiotic-resistant species by the CDC on level of concern to human health, ranging from:

concerning



serious



urgent



## Engineered bacterial communities can save the future against infections.

Synthetic microbes can save us when antibiotics no longer can due to antibiotic resistance. A study has been conducted where *Escherichia coli* has been engineered to kill pathogenic *Pseudomonas aeruginosa* by expressing and releasing a signal to induce cell death.



## Advantages to Synthetic Microbes

- ▶ Great potential in global health innovations
- ▶ Detection & treatment of disease
- ▶ Numerous applications in medical field

**The more you know about synthetic microbes, the better prepared you are when you encounter it later.**

Read more about synthetic microbes at

