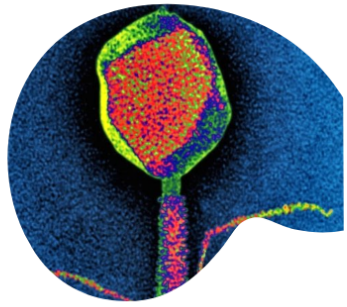
REVOLUTIONIZING PHAGE THERAPY TO SOLVE AMR

NEUVAE
BIOTECH

THE PROBLEM: ANTIMICROBIAL RESISTANCE

AMR threatens the effective prevention and treatment of an ever-increasing range of infections caused by bacteria, parasites, viruses and fungi. It occurs when bacteria, parasites, viruses and fungi change over time and no longer respond to antimicrobials (including anti-biotics), making it harder to treat and increasing the risk of diseases spreading.

AMR, which occurs naturally in bacteria, gets worse over time as one takes more and more antibiotics. it has emerged as one of the principal public health problems of the 21st century.

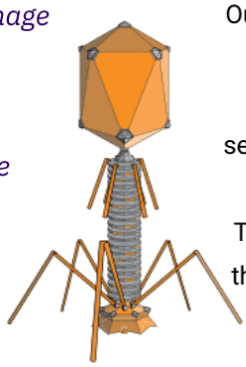


BRINGING A DRUG TO MARKET

- *10 million lives to be lost every year by 2050 (1)*
- *$4.6 billion spent every year by the U.S (2)*
- *More than 700 million extra days in the hospital (3)*
- *2.8 million antibiotic-resistant infections occur in the U.S. each year (4)*

OUR SOLUTION

- *Proprietary bacteriophage engineering*
- *Custom Bacteriophage*
- *Immune response immunomodulation*



Our solution consists of 3 main pillars, each transforming conventional phage therapy. The first step is a bacteriophage engineering process which is to be mass-produced, with reduction in cost as well. The second step is to administer the custom bacteriophage and through its natural systems, disabling and killing the resistant bacteria. The final step is to boost the immune response immunomodulation of the natural immune system using transduction particles. It'll initiate an immune response and reduce antibodies against the pathogenic bacteria.

IMPLEMENTATION PLAN

1. **Ideal Phage Engineering**
2. **Development of phage antibody with Bacterial Antigens**
3. **Transduction Particles**
4. **Mass-production**
5. **Administration**
6. **Immune Response Activation**
7. **Attack on Pathogenic Bacteria**