Docket #: S22-305

The use of compounds to potentiate antimicrobial activity of peptides and peptoids

Often, antimicrobial peptoid is not effective against bacteria at non-cytotoxic concentrations. Stanford researchers have invented a method to use antioxidants and oxygen scavengers to enhance the bactericidal activity of antimicrobial peptoid to be effective at non-cytotoxic concentrations. The method can be used for the treatment of acute as well as chronic bacterial infections.

Stage of Development
In vitro proof of concept

Applications

- Antibiotic

Advantages

- First antibiotics adjuvant to synergize with antimicrobial peptoids
- No need to discover new chemical scaffolds since it is an adjuvant
- Effective against both Gram-positive and Gram-negative bacteria

Patents

- Published Application: WO2024129993

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