

Optimisation of antimicrobial peptide-sugar molecules for dual-mode immunotherapy treatment of gram-negative infections

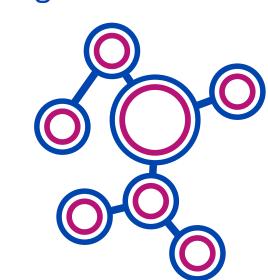
Without action, it is estimated that

39.1 million¹

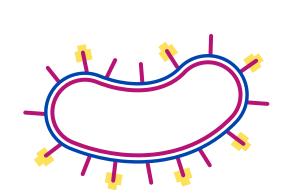
people will die of multidrug resistant infection worldwide between 2025–2050

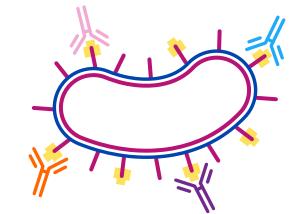
Centauri Therapeutics is an immunotherapy company

They have developed proprietary Alphamer® technology – a novel first-in-class approach to tackling infection



The Alphamer® technology can redirect naturally existing antibodies to kill bacteria





A promising lead compound has been identified with both direct antibacterial activity and the ability to recruit the immune system







Funding and support from PACE will allow the team to

- Modify the molecular structure to maximise immune recruitment
- Further optimise antimicrobial properties
- Ensure the drug is safe and effective

If successful, this therapy would be used to treat people with hospital and ventilator acquired pneumonia



