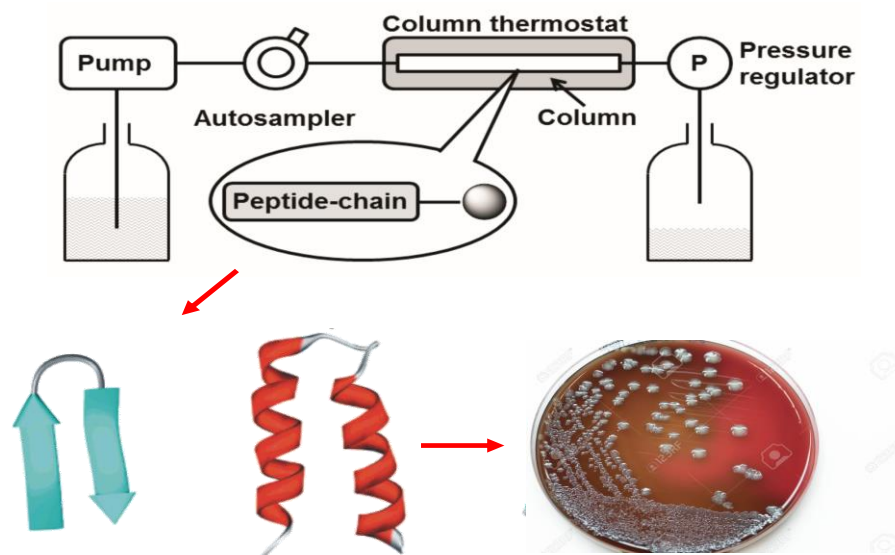




Synthesis of β^3 -amino acid substituted antimicrobial peptides

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Synthesis / method / protocol: Synthesis and characterisation of antimicrobial peptides that contains β^3 -amino acid foldamers. Testing cytotoxicity and antibacterial effect on multiresistant strains.

Scientific Goal: Improvement of selectivity and stability of antimicrobial peptides.

Results: Two different β^3 -amino acid building blocks were built into two antimicrobial peptides. One of the peptides showed significant changes after the β^3 -amino acid incorporation: the cytotoxicity decreased significantly and consequently the selectivity was improved