



INTERNATIONAL MEDICAL UNIVERSITY
MALAYSIA

Research Officer / Assistant

Title: Alpha-amylin-chitosan nanoparticles as an antibacterial and antibiofilm agent against methicillin-resistant and vancomycin-intermediate Staphylococcus aureus on medical devices

Entry Requirements:

- Bachelor of Science or Masters of Science (Pharmaceutical Chemistry/ Chemistry/related fields) and familiar with basic microbiology techniques.
- Hands-on experience in basic chemistry and microbiology techniques.
- Good communication skills in both written and spoken English.
- Able to work independently and in a team.
- The researcher will work on developing an antibacterial and antibiofilm nanoformulation against methicillin-resistant and vancomycin-intermediate Staphylococcus aureus (MRSA and VISA, respectively). The role involves conducting research in the preparation and characterization of chitosan-based nanoparticles, and evaluation of the nanoparticles on *S. aureus* in planktonic and biofilm forms.

Duration:

Oct 2023 - Sep 2025 (2 years)

Send your application together with CV to
Dr Katrina Chung

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