

Prof Mary Chan, School of Chemistry, Chemical Engineering and Biotechnology (CCEB) NTU



mbechan@ntu.edu.sg

My lab's RNA focus:

- Drug delivery systems: LNPs, polymersomes
- Design of novel cationic polymers
- Study of delivery/drug-membrane interaction

Collaborative Potential:

- Design of cationic polymers for RNA delivery
- Drug delivery systems: LNPs, polymersomes
- Study of delivery/drug-membrane interaction

Main methodologies:

- Synthesis & characterisation of new cationic polymers/ peptides/ oligomers
- Membrane-cationic oligomer/polymer interaction
- Confocal, TEM, SEM
- Membrane potential dye (PI, Disc35), LC-MS/MS