Assitant Professor Bertrand Czarny
School of Materials Science and Engineering (MSE), NTU (bczarny@ntu.edu.sg)

https://bert-lab.com/

My lab's RNA focus:

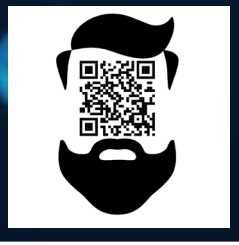
- **Development and *invivo* test of novel carriers for delivery of RNA therapeutics**

Collaborative potential:

- **Validation *invivo* of the delivery of any type of RNA therapeutics for various diseases**

Main methodologies:

- ✓ **Nanolipogel for RNA delivery**
- ✓ **Extracellular vesicles Membrane coating for targeting delivery**
- ✓ **Preclinical animal model for cancer (tumor), vascular disease, infectious disease, wound healing.**



Relevant publications

- **Liew. MW.J et al Cell-mimicking polyethylene glycol-diacrylate based nanolipogel for encapsulation and delivery of hydrophilic biomolecule.** Frontiers in Bioengineering and Biotechnology **(2023)**
- **Liew. MW.J et al Cell Membrane Coated Chitosan Methacrylate-Tripolyphosphate Nanoparticles for siRNA Delivery.**
- **Ou Y.-H et al Micro cell vesicle technology (mCVT): a novel hybrid system of gene delivery for hard-to-transfect (HTT) cells.** Nanoscale **(2020).**