Research Interests
Professor Chen’s research interest focuses on biomaterial which can be applied in drug controlled release and tissue engineering, particularly on development of various polymeric microneedle patches for transdermal drug delivery.

We have designed three kinds of polymer microneedles:
- Dissolving microneedles for rapid delivery of insulin or depigmentation agents
- Degradable microneedles for sustained delivery of vaccines
- Triggerable microneedles for on-demand delivery of anti-cancer drugs or analgesics

Representative Publications