

Kevin Tang

Education

McGill University

Candidate for MSc Applied Biotechnology

Start Date: September 2015

McMaster University

Honours Bachelor of Science (Biochemistry)

2011 - 2015

Experience

Research Assistant (McMaster University)

PilY1 has an N-terminal Von Willebrand Factor A (VWFA) domain that is responsible for *P. aeruginosa* virulence as deletion of this domain cause the cell to become highly virulent. We want to know whether this domain is associated with PilY1 localization/pilus incorporation. My summer project focuses on generating VWFA deletion PilY1 mutants and test whether this mutant PilY1 can be properly localized and incorporated into the Type IV pili.

Undergraduate Thesis Student

Thesis Title: *Pseudomonas aeruginosa* PilY1 signal peptidase 1 cleavage site is essential for optimal twitching motility and surface piliation

Author: C. Tang, Y. Nguyen, H. Harvey & L.L. Burrows

Thesis abstract available on : <https://ca.linkedin.com/in/kevcytang>

Vice President External (McMaster Taiwanese Student Society)

Major Responsibilities were sponsorship negotiation; build relationship with other university clubs; seek event collaboration opportunities; and event planning.

Treasurer (McMaster Taiwanese Student Society)

Major Responsibilities were to collect member fees; prepare the club's budget; maintain accurate financial records throughout the year; bill members for unpaid dues; and deposit club funds.

Research Assistant (National Taiwan University)

- Worked as a summer full time student in Dr. Shao-Chun Lu's laboratory in National Taiwan University.
- My responsibilities were to assist a graduate student of the lab in his project to learn basic molecular biology techniques including RNA extraction, PCR, agarose gel electrophoresis, ELISA, SDS-PAGE and Western blot. The graduate student's project was to identify how oxidized LDL (oxLDL) is involved in the development of atherosclerotic heart disease.