



We are pleased to announce the
PhD Oral Defence of:

Kim Tran

Supervisor: Dr. Maziar Divangahi



Kim obtained her BSc with Honors in 2018 at McGill University from the Department of Microbiology & Immunology. In Fall of 2018, she joined the laboratory of Dr. Maziar Divangahi to study mechanisms of trained immunity for the protection against Influenza A virus infection and fast-tracked to the PhD program in Fall of 2020. During her doctoral studies, Kim presented at several international conferences with talks given at Keystone Symposia and most recently the International School of Advanced Immunology. Kim is listed as a co-author on nearly a dozen publications including two *Nature Immunology* publications where she is first and co-first author. Such efforts led to Kim being the recipient of a FRQS Doctoral Training Scholarship and awards such as the Emil Skamene Award for Best Paper in Basic Biomedical Research. In addition to her academic work, Kim founded and has led the Pathology Student Society for the past five years.

Thesis titled, “Mechanisms of Trained Immunity in the Protection against Influenza A Virus Infection”

Date | Monday December 2nd, 2024

Time | 1:00 – 4:00 PM

Location | MUHC-Glen Site, Block B, Room B02.9390

1. Khan N*, **Tran KA***, Chevre R, Locher V, Richter M, Sun S, Sadeghi M, Pernet E, Herrero A, Grant A, Saif A, Downey J, Kaufmann E, Khader SA, Barreiro LB, Yipp BG, Soehnlein O, Divangahi M. β -Glucan Reprograms Neutrophils to Induce Disease Tolerance Against Influenza A Virus. *Nat Immunol.* 2025 (Accepted Publication). *Co-first authors

2. **Tran KA**, Pernet E, Sadeghi M, Downey J, Chronopoulos J, Lapshina E, Tsai O, Kaufmann E, Ding J, Divangahi M. BCG immunization induces CX3CR1hi effector memory T cells to provide cross-protection via IFN- γ -mediated trained immunity. *Nat Immunol.* 2024 Mar;25(3):418-431.

3. Kaufmann E, Khan N, **Tran KA**, Uldreaj A, Pernet E, Fontes G, Lupien A, Desmeules P, McIntosh F, Abow A, Moorlag SJCFM, Debisarun P, Mossman K, Banerjee A, Karo-Atar D, Sadeghi M, Mubareka S, Vinh DC, King IL, Robbins CS, Behr MA, Netea MG, Joubert P, Divangahi M. BCG vaccination provides protection against IAV but not SARS-CoV-2. *Cell Rep.* 2022 Mar 8;38(10):110502.