

Join us Friday, September 19, 2025 @ 12:00 noon for rounds presentation by:

Dr. Titus Wong, Dr. Elisa Lloyd-Smith, & Dr. Dan Holmes:

“Coming Soon: New Non-Credit Programs in the Department of Pathology & Laboratory Medicine”

Learning Objectives:

- Learn about the department's upcoming non-credit programs (Infection Prevention and Control Program, Applying Occupational Health and Safety Principles in Infection Prevention and Control Micro-certificate, and Data Science for Healthcare using R Micro-certificate)
- Identify ways to share program information with colleagues, learners, and professional networks



Dr. Titus Wong

Titus Wong was born and raised in Vancouver, BC. He completed his MD and Medical Microbiology residency at the University of British Columbia, and earned a Masters in Health Science (Clinical Epidemiology) from the UBC School of Population and Public Health. He joined the Department of Pathology and Laboratory Medicine at Vancouver General Hospital in 2012. He currently serves as an executive medical director in Medical Affairs at Provincial Health Services Authority, overseeing a portfolio that includes Infection Prevention and Control, Medical Staff Safety, Medical Staff Wellbeing, Antimicrobial Stewardship and Medical Assistance in Death (MAiD) & Advanced Care Planning (ACP). Titus is also the provincial medical director of BC's Provincial Infection Control Network (PICNet), as well as a medical microbiologist at the BC Centre for Disease Control (BCCDC) Public Health laboratory, and the BCCDC Medical Director for IPAC and Community Health. He co-created and is the medical director for the Vancouver Coastal Health/ BC Ministry

of Health Personal Protective Equipment Testing Laboratory. Titus has research interests in the testing and clinical application of environmental infection control strategies, and the clinical impact of rapid microbiology/infectious diseases diagnostic technologies. Titus contributes to several provincial and national groups including CMPT, CNISP, AMMI-Canada, PICNET, and Doctors of BC.

The Applying Occupational Health and Safety (OHS) Principles in Infection Prevention and Control Micro-certificate was developed in response to a need identified by Dr. Titus Wong. The program is designed to provide learners with job-relevant training that enhances disciplinary knowledge and builds practical skills. Participants will gain a stronger understanding of their roles and responsibilities within complex health systems, as well as relevant legal and policy frameworks. By approaching these topics through the lens of OHS-IPAC partnership, the program addresses existing workforce and knowledge gaps.

Dr. Wong is also one of the clinical leads for the Infection Prevention and Control IPAC Program, alongside Drs. Elisa Lloyd-Smith, Aleksandra Stefanovic, and Ghada Al-Rawahi. The IPAC Program is a 25-week online professional development course designed for current healthcare professionals or those considering a career in IPAC. It was adapted from a former credit program that included three courses and a practicum. The course is developed and taught by experienced IPAC professionals and physicians, including Dr. Amir Hadzic, Dr. Miguel Imperial, Dr. Shazia Masud, Dr. Nancy Matic, Dr. Michael Payne, Dr. Inna Sekirov, Dr. Diana Whellams, Kelsi Rivers, Angeli Mitra, and Meg Miller.



Dr. Elisa Lloyd-Smith

Dr. Elisa Lloyd-Smith is a Senior Epidemiologist who has worked in infection prevention and control (IPAC), primarily in acute care, at Vancouver Coastal Health and previous Providence Healthcare for the past 20 years. She is an adjunct professor at the School of Population and Public Health at the University of British Columbia, which is where she also completed her PhD.

Dr. Lloyd-Smith is one of the clinical leads for the IPAC Program, alongside Drs. Titus Wong, Aleksandra Stefanovic, and Ghada Al-Rawahi. The IPAC Program is a 25-week online professional development course designed for current healthcare professionals or those considering a career in IPAC. It was adapted from a former credit program that included three courses and a practicum. The course is developed and taught by experienced IPAC professionals and physicians, including Dr. Amir Hadzic, Dr. Miguel Imperial, Dr. Shazia Masud, Dr. Nancy Matic, Dr. Michael Payne, Dr. Inna Sekirov, Dr. Diana Whellams, Kelsi Rivers, Angeli Mitra, and Meg Miller.

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Dr. Dan Holmes

Dr. Daniel Holmes earned his undergraduate degree in Chemical Physics from the University of Toronto. He went to medical school at the University of British Columbia (UBC) where he also did his residency in Medical Biochemistry. He is a Clinical Professor of Pathology and Laboratory Medicine at UBC and Head and Medical Director of the Department of Pathology and Laboratory Medicine at St. Paul's Hospital in Vancouver. Dr. Holmes' interests include clinical endocrinology with a focus on secondary hypertension, lipidology, clinical mass spectrometry and data science in application to laboratory data automation, visualization and clinical utilization.

Dr. Holmes is leading the development of the proposed Data Science for Healthcare using the R Language Non-Credit Micro-certificate. He will co-develop and deliver the program alongside Dr. Janet Simons and Dr. Dennis Orton. This program is designed to equip healthcare professionals, including residents, fellows, faculty, laboratory technologists, and clinical informatics specialists, with practical, in-demand data analytics skills to analyze medical datasets using the R programming language.

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