

## Pre-Symposium Course: Challenges with Containment Level 3 Laboratories

### Instructors:

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- Richard Gibson, Director ImPakt Laboratory, University of Western Ontario
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- Dr. Badru Moloo, Senior Director, ARC, University Health Network

In this 8-hour workshop, we will discuss design, construction, commissioning, turnover, and operational challenges with Biosafety Containment Level 3 (CL3/BSL3/ABSL3) Laboratories. Using real life examples of successes and failures, the course will discuss topics from both the owner's and designer's perspective including:

- Leak tightness, including recent white papers regarding CL3 facilities
- Gas decontaminations
- Directional airflow/ pressure control
- Ductwork/ filtration
- Effluent treatment options
- Resiliency/ redundancy
- Commissioning/ licensing
- SOPs and their relationship with the design

This course is intended for facility directors, managers, lead investigators, biosafety officers, and O&M staff who have an existing CL-3 / BSL-3 facility or will be building one in the future. The course is intended to be collaborative with the participants contributing to the direction of the course to ensure areas of specific interest are adequately addressed, ideas are exchanged, and at the end of the day participants leave with concrete design options, opinions, and recommendations that they can apply to their facility.

This workshop will include in-room learning for the morning, followed by a tour of two facilities to review the implementation of topics discussed in the morning sessions – the Public Health Ontario Toronto Laboratory's Containment Level 3 Laboratories and the Krembil Discovery Tower's switchable Level 2 / Barrier vivarium.

Transportation to the labs and lunch are included.

**Please note that to facilitate the tours, enrollment in this workshop is limited to 12 spots.**



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**Once 12 registrants have been confirmed, registration for this course will be closed.**

**If any additional registrants have signed up for this course, we will notify those registrants that the course is full and refunds will be issued.**