

## Abstract for 2017 Western Canada Health Sciences educators

*Title* **Reimagining the Delivery of Laboratory and Simulation Learning - Lessons Learned from a Pediatric Health Assessment Course Redesign**

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**Type of presentation:** Oral

*General theme of topic* **Theme:** Innovations in curriculum design for laboratory and simulation learning; Student experiences of simulation; Lab teaching strategies.

*Audio-visual needs* **Required equipment:** projector and screen for PowerPoint presentation, laptop cable to link display.

Curriculum design for laboratory and simulation-based classes can provide particular challenges in creating courses that are sufficiently complex, dynamic and possess practical value for students. Although there are many benefits to facilitating small group simulation experiences for learners, it can be difficult to keep the remainder of the student group interested and actively engaged.

A 7 week health assessment course, with a focus on introductory pediatric nursing, was redesigned for initial delivery during the fall 2016 term. Using a unique rotating schedule with three stations, including laboratory, simulation, and observation, this course format allowed for each student to be engaged in small group learning activities at all times. Students participated in three simulations during the seven week course, each with different pediatric stages and systems foci. Student evaluation included participation in preparation for simulation based on patient scenarios and completion of an observer evaluation form which was comprised of four NCLEX client needs categories. Post-intervention evaluation data demonstrated improvement in student satisfaction for every measured indicator.

This session will review educational and operational considerations, and share instructor and technician support materials. In addition, the potential challenges, opportunities, and recommendations for future applications will be discussed as it relates to sustainability of a complex and highly effective simulation learning experience.

*In depth summary of topic*