

Welcome to the W. J. Henderson Centre for Patient-Oriented Research!

Who can use the centre?

We are open to researchers from Kingston's hospitals or Queen's University who are conducting clinical research and clinical trials. **There is no cost to use the centre's facilities or equipment.**

What is required to use the centre?

Before beginning your research, you and your team must complete orientation and training related to this Centre and its equipment and standard operating procedures (SOPs), as well as hospital emergency codes, Good Clinical Practice (GCP) training, and Health Canada Division 5 training (if conducting clinical trials). To access the Centre's centrifuge and freezer rooms, you must complete lab training (Queen's Biosafety and Human Tissue, Blood or Other Body Fluids) and Transportation of Dangerous Goods (TDG/IATA), as well as training on the Centre's lab equipment and related SOPs.

Research conducted with human participants must have received ethics clearance from the Queen's Health Sciences and Affiliated Teaching Hospitals Research Ethics Board (HSREB), Clinical Trials Ontario (CTO) or the Ontario Cancer Research Ethics Board (OCREB) prior to using the Centre. All studies in the Centre must be conducted according to International Conference on Harmonization (ICH) guidelines and the principles set forth in the Declaration of Helsinki.

What does the centre offer?

Facilities:

- 3 meeting rooms with computers for training, site feasibility and initiation visits etc.
- 2 interview rooms with computers for assessments, consent, monitor visits etc.
- 2 charting areas with computers
- 7 examination rooms fully equipped including computers
- Minor procedure room
- Clinical Investigation Unit with:
 - 3 bed bay for infusions or overnight Phase I study visits,
 - 4 infusion recliners
 - nursing station with computers
 - bathroom with shower
 - TV in bed and recliner areas
- 6 workstations with computers
- Eye-tracking labs and KINARM™ labs
- Gastrointestinal diseases research lab
- Biosafety Level 2 laboratory and freezer room
- 5 wheelchair-accessible restrooms
- Waiting area/lounge with kitchen facilities

Equipment:

- 3 freezers (-80 C and -20 C)
- 2 centrifuges (ambient and refrigerated)
- Biological safety cabinet
- 6 calibrated pipettes and 2 pipet controllers
- 8 weigh scales
- 9 vitals monitors
- 4 cardiac monitors
- 10 otoscope/ophthalmoscope sets
- 8 infusion pumps + 20 channels
- 4 12-lead ECG machines
- 4 portable privacy screens
- High speed, wireless internet access
- Voice conferencing
- Emergency backup power

All equipment is industry standard certified and calibrated annually.

Freezers and fridges are equipped with ALTA iMonnit Wireless Low Temperature Sensors.

Who is using the centre?

More than 150 researchers, students, trainees, and research staff have completed our General Orientation Training. Their research areas include allergy, anesthesiology & perioperative medicine, biomedical & molecular sciences, cardiology, critical care, emergency medicine, gastrointestinal diseases, hematology, human mobility, mechanical & materials engineering, nephrology, neurology, obstetrics & gynaecology, oncology, pathology and molecular medicine, pediatrics, respirology, surgery and urology. The centre has also been used for 12 industry-sponsored clinical trials to date, with more studies pending.

Our centre is also home to two dedicated research labs, hosted by the Centre for Neuroscience Studies (Queen's University) and the Gastrointestinal Diseases Research Unit (Queen's, Kingston Health Sciences Centre).

Where do I find further information about the centre?

www.kgh.on.ca/research/our-research/our-facilities/wj-henderson-centre-patient-oriented-research

Who do I contact?

Lisa McAvoy is our Clinical Research Liaison Officer. As well as overseeing day-to-day operations, she supports researchers, research staff, students, and trainees on all study-specific queries, develops and implements educational materials and training programs for hospital-based research, and is a hospital institutional administrator for TRAQ for quality and regulatory assurance. She also advocates for patient engagement in research across Kingston's hospitals.

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