



McGill Advanced Therapies Research and Education Centre (MATREC)

From Bench to Bedside: Empowering Innovation in Advanced Therapies with cGMP Expertise.

Who We Are

The McGill Advanced Therapies Research and Education Centre (MATREC) serves as a core platform dedicated to bridging the gap between preclinical research and the clinical implementation of advanced therapies. By offering specialized training and facilitating research translation to clinical application, MATREC plays a pivotal role in equipping students, professionals, and researchers with the knowledge and expertise necessary to adhere to current good manufacturing practices (cGMP). This ensures the production of advanced therapies, including human cells, tissues, and their derivatives, meets the rigorous standards required for clinical applications.

MATREC's facilities, located at the McGill Centre for Genomics in downtown Montreal, provide an ideal setting for student and staff training. The 204 m² infrastructure includes an ISO7-certified cleanroom, three ISO8 access rooms, and a declassified area for quality control and assurance, following guidelines for handling cells, tissues, and organs intended for transplantation.

Our Services

Hands-on cGMP Training

- Tailored cGMP training modules for students, staff, and researchers.

Workflows Applied in a cGMP-like Setting in an Operational Clean Room

- Access to clean room after receiving training and reviewing standard operating procedures with MATREC staff to test manufacturing protocols in a pre-GMP setting.

Protocol Optimization for Clinical Phases

- Support for refining preclinical bioproduction protocols to meet clinical phase I and II standards.
- Assists researchers in transitioning from laboratory research to clinical application.

Regulatory Guidance

- Expertise in regulatory compliance for clinical trial requirements.
- Essential support for advancing innovative therapies to human trials.

Facilitation of Clinical Research and Phase Transitions

- Connections to clinical facilities specializing in the bioproduction of advanced therapies.
- Support for clinical research projects through phases I and II.
- Assistance with transferring knowledge to external facilities as products advance to phase III and/or market launch.

Contact Us



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