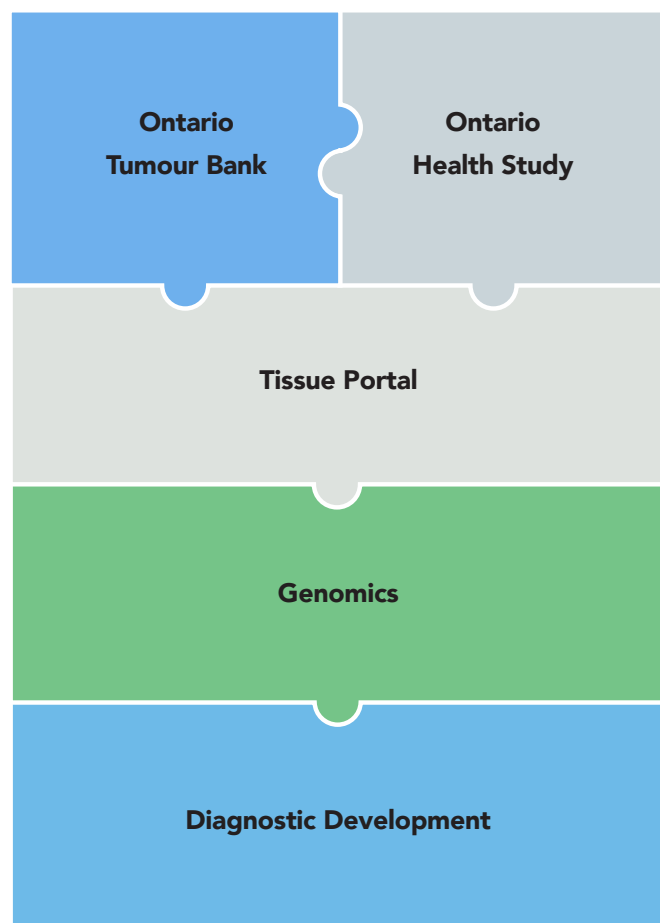


MOLECULAR ONCOLOGY CORE RESEARCH RESOURCES

The Molecular Oncology Core Research Resources (MOCRR) at the Ontario Institute for Cancer Research (OICR) are world leaders in molecular oncology analyses, offering a wide range of cutting-edge, comprehensive molecular oncology clinical and research services. Our services support both basic and clinical research, where several of our services are novel and unique in the Canadian and global market.

Our goal is to enable improved health outcomes for all cancer patients through molecular oncology.

MOCRR expertise and service offerings



Biospecimens and data from >250k participants

- Tissue, liquid biopsies, whole slide images from >15,000 tumours
- Serum, plasma and DNA from healthy, pre-cancer and cancer participants
- Comprehensive demographic, diagnostic and outcome data linked to administrative data
- Access to additional tumour types through Ontario Biobanks

Processing

- Tissues and liquid biopsy intake
- Histology services, including LCM
- Accredited high-throughput nucleic acid extraction
- Digital slide scanning

Genome profiling

- Whole genome, transcriptome and methylome sequencing of tissues and liquid biopsies
- Accredited clinical workflows and reporting
- Genome analysis workflows
- Low-cost Ultima assay options

Molecular Pathology and Assay Development

- Digital pathology and histopathology
- Targeted sequencing and gene expression profiling
- Spatial proteomics and transcriptomics, including single-cell profiling
- Biomarker assay development and validation



To learn more about how MOCRR supports research please visit our webpage:
<https://oicr.on.ca/molecular-oncology-core-research-resources/>