

Who are we?

The Molecular and Advanced Pathology Core, established in 2021, aims to bridge the life sciences at UBC with clinical expertise at Vancouver General Hospital and BC Cancer to advance the translation of discoveries to improve prevention and treatment of diseases across the population. Using multiplex Opal immunofluorescence from Akoya and new GeoMx Digital Spatial Profiling from Nanostring technologies, MAPcore is committed to furthering the success of omics and other discovery research by translating these findings to clinical utility.

MAPcore is an affiliated core facility with University of British Columbia Department of Pathology & Laboratory Medicine, Vancouver Coastal Health Research Institute, and BC Cancer Research Institute.

Equipment

nanoString GeoMx Digital Spatial Profiler
Zeiss Axio Scan.Z1
Leica RM2235 Manual Rotary Microtome
Leica Aperio AT2
Leica Bond RX
Leica LCM Microscope LMD7



Services

Histology Service

Coring
Scrolling
Microtomy
Sectioning
TMA construction
Laser Capture Microdissection

Imaging and Analysis

BF WSS (Leica Aperio AT2)
Fluorescence WSS (AxioScan.Z1)
Image Analysis (HALO)
Research Pathologist Assessment

Histochemistry Services

H&E staining
Single biomarker DAB staining and custom optimization
Multicolour IHC and IF staining and custom optimization
ISH (RNAscope)
nanoString DSP

