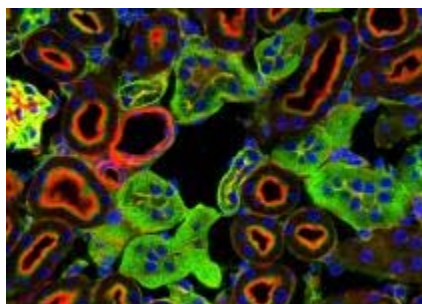


BioSpecimen Sciences Program (BSP)

BSP is a comprehensive cutting-edge institutional biorepository supporting medical research throughout UHN. The facility is led by Director [Michael H. Roehrl](#) and Manager [Dianne Chadwick](#).



Service Department(s): Research Communications

Overview

- BSP is the largest academic biospecimen bank in Canada
- Tissues, body fluids and blood specimens from UHN patients can be distributed fresh for stem cell and other studies, snap-frozen and stored in liquid nitrogen tanks, or embedded in paraffin blocks for future research use
- A state-of-the art biospecimen IT system interfaces BSP with other clinical and research databases at UHN
- BSP is a key player in numerous personalized sample-driven clinical trials throughout UHN

Services

- Access to human biospecimens including solid tissue (diseased and matched normal tissue), blood (serum, plasma, whole blood), body fluids and derivatives for research purposes
- Tissue microarray (TMA) construction
- Digital slide scanning and quantitative image analysis including analysis of TMA sections
- Pathology/clinical annotation is available for some tumour sites

Using the Facility

- Available to all UHN investigators based on institute/group BSP membership arrangement or individual funding
- UHN Research Ethics Board and site group-specific approval required
- Biospecimen requisition forms available upon request

Sample Preparation

- Processing of samples is disease specific, following international best practices
- Specific sample handling is available based on research protocols (e.g., fresh frozen tissue for xenografting)

Usage Arrangements

- Collaboration with disease site pathologist recommended
 - Design and implementation of individual sample-centered research protocols
-

Contacts

UHN BioSpecimen Sciences Program

416-340-4744 (ext.14-4744)

Toronto General Hospital, NU11-208

200 Elizabeth Street

Toronto, ON, M5G 2C4