



BC CHILDREN'S HOSPITAL
BioBank



CURRENT RESEARCH AT BC CHILDREN'S HOSPITAL

A summary of relevant BC Children's Hospital research studies which currently require biological specimens is provided below. **If you agree to take part in the BioBank, a portion of your biological sample(s) may be utilized for some or all of these studies**, depending on the suitability and specific study requirements. In addition, remaining samples will be stored in the BioBank for future research.

If you are interested in obtaining more detail about any of the following studies, please contact the investigator, as indicated.

STUDY: Platelet-based Biomarkers in Juvenile Idiopathic Arthritis (JIA Biomarkers)

Background & Purpose: Juvenile idiopathic arthritis (JIA) is the most common cause of youth disability in Canada, affecting ~20,000 Canadian children and adolescents. Children and youth with JIA have chronic inflammation in their joints that causes pain, stiffness, swelling and bone degradation. Current treatments for JIA are effective but, because they suppress the immune system, the drugs also increase the risk of severe infections and cancer. Currently, there are no reliable ways to identify those children with JIA that are at risk of severe or progressive disease who might require more aggressive treatment, or conversely, those children with milder disease that could take a lower dose of the drug and/or take it for a shorter period of time.

In this study, doctors from BCCH will invite families to donate samples to help us compare patients with and without JIA to better understand JIA and develop new diagnostic and treatment strategies, that will allow doctors to make better informed decisions in caring for children with JIA.

What's required? Blood samples from non- JIA patient who are undergoing a procedure at BCCH

Who's eligible? Children undergoing elective surgery that are not diagnosed with juvenile idiopathic arthritis (JIA)

Principal Investigator: Dr. Kelly Brown– kbrown@bcchr.ca

Site co-ordinator: Stephanie Hughes – sthughes@bcchr.ca