



# a place of mind

## THE UNIVERSITY OF BRITISH COLUMBIA

**Department of Pathology and Laboratory Medicine  
Residency Training program  
Room 10125-2775 Laurel Street  
Vancouver BC V5Z 1M9**

### HEMATOPATHOLOGY

The UBC Hematopathology residency program is 4 years in length.

Starting in July, 2022, all PGY1 residents in Hematological Pathology residency training programs throughout Canada will implement a Competence By Design (CBD) curriculum format. This is a Competency Based Medical Education system instituted by the Royal College of Physicians and Surgeons of Canada.

CBD will mainly reflect changes in the way residents are coached, assessed and promoted throughout their residency. The fundamentals of training in Hematological Pathology (HP) will not change, and the strengths of our UBC HP program including case volume and variety, teaching faculty, and subspecialty depth of exposure will remain. Several useful resources about CBD are available on the Royal College website (<http://www.royalcollege.ca/rcsite/cbd/competence-by-design-cbd-e>) as well as the UBC Postgraduate Medical Education CBD website (<https://postgrad.med.ubc.ca/competency-based-medical-education/>). Incoming residents will be oriented to CBD when they start in July.

Over the course of the four year program our HP residents acquire a sound knowledge of all aspects of laboratory hematology. This knowledge must be accompanied by a clear understanding of the basic scientific, pathophysiologic and technical principles involved in our practice and adjacent clinical specialties such as Adult and Pediatric hematology. Providing useful consultation to the clinician requires expertise in the application of laboratory resources to clinical problem-solving and expertise in the management of a large, modern laboratory.

The successful resident will also participate effectively in the education of medical and non-medical associates and students. Residents in hematopathology must acquire adequate knowledge of basic science in relation to hematology, laboratory management, quality assurance and continuous quality improvement. Our HP residents gain wide experience and expertise in morphologic hematology and pathology of the lymphoreticular system, including the applications of flow cytometry and molecular diagnostics, in addition to expertise in transfusion medicine, disorders of coagulation/thrombosis, and hemoglobinopathies.





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Under CBD, the residency is divided into four stages: Transition to Discipline, Foundations of Discipline, Core of Discipline, and Transition to Practice. It remains a four year training program, rotating through four main teaching hospitals within Vancouver; Vancouver General Hospital, St Paul's Hospital, BC Cancer, and BC Children's Hospital.

### **Transition to Discipline**

This stage serves as an orientation to the scope of practice of Hematological Pathology, and is expected to take two months to complete.

### **Foundations of Discipline**

This stage covers the basics of Hematological Pathology over 10-15 months. This stage also includes approximately 4 blocks of applicable clinical rotations in Adult and Pediatric Hematology.

### **Core of Discipline**

This is the longest stage at approximately 28 months. During this stage HP resident will complete various Laboratory Hematology rotations at the four hospital sites, and up to 4 further Clinical Hematology or Cellular therapy (stem cell transplant) blocks. This stage will include flexibility of scheduling to allow increased exposure to particular areas of interest and/or research. The resident will sit the Written portion of the Royal College Hematological Pathology Exam during the Core of Discipline stage, in Spring of PGY3. The Applied portion of the Royal college exam will also take place in this stage, in Fall of PGY4.

### **Transition to Practice**

This final stage allows the senior PGY4 resident to function at a junior staff level in preparation for independent practice. This 4 month stage occurs after the completion of RC exams to allow the PGY4 resident some flexibility to complete research projects as needed, and some special training experiences tailored to their career plans.





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## **Research**

Residents are encouraged to initiate and participate in the numerous research opportunities available. Residents in Hematological Pathology are required to present an original research project at the annual UBC Pathology Day at least once in residency, and are strongly encouraged to present research in other years. Research and Quality Improvement are important aspects of Hematological Pathology, and there are opportunities to present research at conferences throughout the residency.

## **Program Director**

Dr. Kate Chipperfield

Dept. of Pathology and Laboratory Medicine, BC Children's Hospital

*Updated: Sept 2021*

