

SPRING 2020

Microfluidics for Hematology

A CBMS WORKSHOP

APRIL 6-7, 2020 • CHICAGO, ILLINOIS, USA

Abstract submission deadline:
December 17th, 2019!

Mark your
calendar!

Chair

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TOPICS

Microfluidics for Liquid Biopsy and Oncology

- Circulating, cell free DNA/RNA isolation and analysis
- Isolation and analysis of CTCs and extracellular vesicles (EVs)
- Cell-based immunotherapy
- Myeloid and lymphoid neoplasia
- Tumor-on-a-chip

Microfluidics for Cytometry

- Blood cell sorting
- Multiparameter characterization of blood cells
- Single cell analysis
- Mechanobiology of blood cells in health and disease

Microfluidics for Blood Diagnostics and Analysis

- Microfluidic systems for sepsis detection and diagnostics
- In vitro models of thrombosis and hemostasis
- Sickle cell disease and red cell physiology

Microenvironment and Vascular Biology

- Blood-Endothelium interaction
- Hematopoietic stem cell fate control and differentiation
- Bone marrow niche modeling

microhematology.org

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