



CyTOF Mass Spectrometry at Harvard Medical School Introductory seminars and User Group meeting

When: Thursday, December 6, 2012 ~ 2:00-4:00 p.m.

Where: Harvard Medical School, Warren Alpert Building (WAB), Room 563, 200 Longwood Avenue, Boston, MA

Overview:

Mass cytometry is an update of flow cytometry so powerful as to be revolutionary. In the CyTOF approach antibodies are coupled to rare earth metals rather than fluorochromes and the amount of antibody is measured using atomic mass spectrometry. It is theoretically possible to perform "100-channel" flow cytometry with a CyTOF instrument; 30-channels should be routine (at the level of the instrumentation). Background is low and sensitivity substantially higher than most conventional fluorescence-based flow, making it possible to analyze very complex samples such as human immune, stem and tumor cells.

For detailed information on the technology, please [click here](#).

All interested investigators are invited to attend two introductory seminars and the first User Group meeting on this new technology at HMS. Registration is NOT required.

"Deep phenotyping of healthy and malignant human hematopoiesis by 30+ parameter mass cytometry"

Erin Simonds, Ph.D.

UCSF

"CyTOF and Cytobank: Cytometry in the post-fluorescence era"

Nikesh Kotecha, Ph.D.

Cytobank

For questions about this program, please contact Caroline, Jodi, or John at caroline_shamu@hms.harvard.edu

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