

The Center for Human Immunology, Autoimmunity and Inflammation presents:

**Advanced Technologies in Clinical Immunology**

February 14, 2011

Masur Auditorium

**8:45AM** Welcome

*Neal S. Young, M.D., Center for Human Immunology, Autoimmunity and Inflammation*

**SESSION 1**

*Chair: Ronald Germain M.D., Ph.D., Center for Human Immunology, Autoimmunity and Inflammation*

**9:00AM** Phospho-flow analysis: multiplex characterization of immune cell signaling and phenotype

*Sean Bendell Ph.D., Stanford School of Medicine*

**9:30AM** Extensive multiparameter flow Immunoprofiling

*J. Phillip McCoy Ph.D., Center for Human Immunology, Autoimmunity and Inflammation*

**10:00AM** BREAK

**10:30AM** Transcriptional signatures of immunocytes, from mouse to human

*Christophe Benoist Ph.D., Harvard Medical School*

**11:00AM** Capturing information about B cell specificity and function using human monoclonal antibodies

*Patrick Wilson Ph.D., University of Chicago*

**11:30AM** LUNCH

**SESSION 2**

*Chair: Robert Nussenblatt, M.D., M.P.H., Center for Human Immunology, Autoimmunity and Inflammation*

**12:30PM** T cell repertoire analysis using tetramer

*Gerald Nepom M.D., Ph.D., Benaroya Research Institute at Virginia Mason*

**1:00PM** Single Cell Tracking with MRI

*Alan Koretsky Ph.D., National Institute of Neurological Disorders and Stroke*

**1:30PM** High Throughput Drug Screening and RNA

*Christopher Austin M.D., NIH Chemical Genomics Center*

**2:00PM** Insights From T Cell Receptor Sequencing

Daniel Douek M.D., MRCP, Ph.D., NIH Vaccine Research Center

**2:30PM** BREAK

**SESSION 3**

Chair: Giorgio Trinchieri M.D., *Center for Human Immunology, Autoimmunity and Inflammation*

**3:00PM** eQTL-based Bayesian Modeling

*John Tsang Ph.D., Center for Human Immunology, Autoimmunity and Inflammation*

**3:30PM** Use of expression profiling and gene set modules in studies of human disease

*Damien Chaussabel Ph.D., Baylor Institute for Immunology Research*

**4:00PM** ADJOURN