

ITI and Center for Human Systems Immunology at Stanford: Human Immune Monitoring Technology and Bioinformatics Conference

**School of Medicine's Conference Center at Li Ka Shing Center
May 2-3, 2019**

SPEAKER TOPICS

First name	Last name	Institution	Topic
Nima	AGHAEPOUR, PhD	Stanford, School of Medicine	Multiomics Analysis of Term and Preterm Human Pregnancy
Galit	ALTER, PhD	Ragon Institute of MGH, MIT and Harvard	Systems Serology to Define Correlates of Immunity
Rosa	BACCHETTA, MD	Stanford, Pediatrics, Stem Cell	New approaches to dissect immune dysregulation in children with genetic immune diseases
Carolyn	BERTOZZI, PhD	Stanford, Chemistry	Chemical technologies for infectious disease diagnostics
Ami	BHATT, MD, PhD	Stanford, Hematology, Genetics	Genomic approaches to decipher microbial contributions to health and disease
Yueh-hsiu	CHIEN, PhD	Stanford, M&I	TBD
Rhiju	DAS, PhD	Stanford, Biochemistry	Inexpensive diagnostics for ratiometric gene signatures through designer riboswitches
Steven	DEEKS, MD	UCSF Med School, Professor, Infectious Diseases	Towards and HIV Cure: Untangling the Immunology of HIV Persistence during Antiretroviral Therapy
Elizabeth	EGAN, MD, PhD	Stanford, Pediatrics, Infectious Diseases	New approaches to discover host erythrocyte factors for malaria
Sarah	FORTUNE, MD	<u>Harvard T.H. Chan School of Public Health</u>	Single cell RNAseq analysis of TB granulomas: defining therapeutic challenges
William	GREENLEAF, PhD	Stanford, Genetics	TBD
X. Shirley	LIU, PhD	Department of Biostatistics and Computational Biology, Dana-Farber Cancer Institute	Tentative title: Hidden immunology signals in tumor RNA-seq

Crystal	MACKALL, MD	Stanford, Pediatrics, Oncology	Engineering T Cells for Cancer Therapy
Kari	NADEAU, MD, PhD	Stanford, Pediatrics, Immunology	Studying Immunological Mechanisms to Try to End Food Allergy
Evan	NEWELL, PhD	FredHutch, Vaccine & Infectious Disease	Decomposing disease associated T cell responses using mass cytometry
Garry	NOLAN, PhD	Stanford, M&I	Pathology from the Molecular Scale on Up
Manu	PRAKASH, PhD	Stanford, Bioengineering	
Nathan	PRICE, PhD	Institute for Systems Biology (ISB) in Seattle, WA	Longitudinal multi-omic profiling for thousands of people
Andrea	RADTKE, PhD	NIH, Center for Advanced Tissue Imaging (CAT-I)	Advanced optical imaging approaches to understand human immunity in a tissue context
Somuya	RAYCHAUDHARI, MD, PhD	Harvard Broad Institute, Biomedical Informatics	Defining the architecture of rheumatoid arthritis at the single cell level
William	SHIH, PhD	Harvard, Biological Chemistry & Molecular Pharmacology	HiFi molecular transmission via crisscross cooperativity
Tom	SOH, PhD	Stanford, Radiology & Electrical Engineering	Multiplexed Protein Measurements with High Sensitivity and Resolution
Justin	SONNENBURG, PhD	Stanford, M&I	Establishing the Diet-Microbiome-Immune Axis in Humans
Bruce	WALKER	Ragon Institute of MGH, MIT and Harvard, Immunology and ID	Prospects for a T-Cell Mediated Functional Cure of HIV Infection
Taia	WANG, MD, PhD	Stanford, Infectious Diseases and M&I	IgG Fc domain repertoires drive diverse responses to influenza viruses
Nir	YOSEF	UC Berkley, Computer Science/EECS	Analytics of single cell RNA-seq: lessons from heterogeneity of immune cells