

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Viral Immunity (A2)

January 11-16, 2015 • Beaver Run Resort • Breckenridge, Colorado, USA

Scientific Organizers: Jonathan W. Yewdell, Donna L. Farber, Nicole Baumgarth and Jack R. Bennink

Supported by the Directors' Fund

Abstract & Scholarship Deadline: September 22, 2014 / Abstract Deadline: October 14, 2014 / Discounted Registration Deadline: November 11, 2014

SUNDAY, JANUARY 11

Registration

MONDAY, JANUARY 12

Keynote Address

Jonathan W. Yewdell, NIAID, National Institutes of Health, USA

Welcoming Remarks

Herbert (Skip) W. Virgin, Washington University School of Medicine, USA

'Virus-Plus-Host-Gene' Interactions in the Pathogenesis of Disease

Innate Anti-Viral Immunity

Nicole Baumgarth, University of California, Davis, USA

Innate-Like Anti-Viral B Cells

Olivier Schwartz, Institut Pasteur, France

Mechanisms of Innate Immunity to Chikungunya Virus

Christine A. Biron, Brown University, USA

Cytokine Control of Anti-Viral Immunity

Short Talk(s) Chosen from Abstracts

Localized Anti-Viral Immunity

Heather D. Hickman, NIAID, National Institutes of Health, USA

Anti-Viral Effector T Cell Function

Dorian B. McGavern, National Institutes of Health, USA

Immune Effector Function in CNS

E. John Wherry, University of Pennsylvania, USA

Anti-Viral Immune Cooperativity

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, JANUARY 13

Anti-Viral Lymphocyte Triggering/Differentiation

Donna L. Farber, Columbia University Medical Center, USA

Memory T Cell Compartmentalization in Mice and Men

Carola G. Vinuesa, Australian National University, Australia

Control of Germinal Center Reactions

Ton N. Schumacher, Netherlands Cancer Institute, Netherlands

Lymphocyte Effector Differentiation

Gabriel D. Victora, Whitehead Institute for Biomedical Research, USA

T Cell Dynamics in Lymphoid Tissues

Short Talk(s) Chosen from Abstracts

Workshop 1

Short Talks Chosen from Abstracts

Immune Effector Functions

Leo James, University of Cambridge, UK

Intracellular Antibodies: In The Wrong Place At The Right Time

Annette Oxenius, Institute for Microbiology, ETH Zürich, Switzerland

Controlling T Cell Effector Function

Ted C. Pierson, NIAID, National Institutes of Health, USA

Ab-Fc based Virus Neutralization

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, JANUARY 14

Anti-Viral Lymphocyte Receptor/Peptide Repertoire

Victor Appay, INSERM U945, France

Anti-Viral Human CD8+ T Cell Response

Andrea J. Sant, University of Rochester, USA

Anti-Viral CD4 T Cell Repertoire

Katherine Kedzierska, University of Melbourne, Australia

CD8 TCR Recognition

James E. Crowe, Jr., Vanderbilt University Medical Center, USA

Genetic and Structural Basis for Antibody Mediated Neutralization of Viruses

Short Talk(s) Chosen from Abstracts

Barrier Functions of the Immune System

Speaker to be Announced

Kevan L. Hartshorn, Boston University School of Medicine, USA

Antimicrobial Peptides and Influenza Virus

Veronika von Messling, Paul-Ehrlich-Institut, Germany

Virus-Host Innate Immunity Interface

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, JANUARY 15

Virus versus Host

Harmit Singh Malik, Fred Hutchinson Cancer Research Center, USA

Genetic Innovations in Evolutionary Arms Races between Primate and Viral Genomes

Marcia A. Blackman, Trudeau Institute, USA

Gamma-Herpesviruses Persistent Infections

Louis J. Picker, Oregon Health & Science University, USA

The Unique Immunobiology of Cytomegalovirus

Jonathan W. Yewdell, NIAID, National Institutes of Health, USA

Influenza versus Immune System

Short Talk(s) Chosen from Abstracts

Workshop 2

Short Talks Chosen from Abstracts

Getting Real: Translational Anti-Viral Immunity

Sabra L. Klein, Johns Hopkins University, USA

SeXX Affects Viral Immunity

Dirk Hans Busch, Technical University Munich, Germany

T Cell Differentiation on the Single Cell Level and Its Implications for Adoptive Immunotherapy

Robert L. Coffman, Dynavax Technologies, USA

CpG Adjuvanted Vaccines

Short Talk Chosen from Abstracts

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FRIDAY, JANUARY 16

Departure