

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

The NF-kappaB System in Health and Disease (B4)

February 23-28, 2014 • Keystone Resort • Keystone, Colorado, USA

Scientific Organizers: Alexander Hoffmann and Louis M. Staudt

Supported by the Directors' Fund

Abstract & Scholarship Deadline: October 23, 2013 / Abstract Deadline: November 22, 2013 / Discounted Registration Deadline: December 19, 2013

SUNDAY, FEBRUARY 23

MONDAY, FEBRUARY 24

Keynote Address

David Baltimore, California Institute of Technology, USA
NFkB within Cellular Regulatory Systems

NFkB within Gene Regulatory Networks

Andrea Califano, Columbia University, USA
Network Biology of Cancer

Aviv Regev, Massachusetts Institute of Technology, USA
Systems Biology of Inflammatory Gene Expression

Irina A. Udalova, University of Oxford, UK
The Specificity of the NFkB Dimer Family

Short Talk(s) Chosen from Abstracts

Workshop 1 for Highly Innovative, Recent Studies to be Presented

Short Talks Chosen from Abstracts

NFkB Signaling System

Elizabeth A. Komives, University of California, San Diego, USA
IkB Control of NFkB Activation and Inactivation

Jana Wolf, Max-Delbrück-Centrum für Molekulare Medizin, Germany
Mathematical Modelling of Regulatory Modules in NF-kappaB Signaling

Gourisankar Ghosh, University of California, San Diego, USA
NF-kappaB Signaling: Lessons from Structural Studies

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, FEBRUARY 25

The Inflammatory Signaling Network

Vishva M. Dixit, Genentech, Inc., USA
Role of RIP Kinases in NF-kB Activation and Necroptosis

Richard A. Flavell, Yale University School of Medicine, USA
Inflammasome-Mediated Dysbiosis Regulates Progression of NAFLD and Obesity

Sarah Spiegel, Virginia Commonwealth University School of Medicine, USA
Phospho-Lipid Signaling Mediators in Inflammatory Signaling

Averil I. Ma, University of California, San Francisco, USA
Attenuating Inflammation with Deubiquitinases

Short Talk(s) Chosen from Abstracts

Innate Immune Signaling Networks

Takashi Fujita, Institute for Virus Research, Kyoto University, Japan
Virus-Induced Stress Response and NF-kappaB Activation

Zhijian 'James' Chen, HHMI/University of Texas Southwestern Medical Center, USA
Coordinated Activation of NFkB and IRF

Ruslan M. Medzhitov[†], HHMI, Yale University School of Medicine, USA

Talk Title to be Determined

Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, FEBRUARY 26

Lymphoid Signaling Systems

Sankar Ghosh, Columbia University, USA
NFkB Control in Lymphocytes

Margot Thome, University of Lausanne, Switzerland
MALT1-Dependent Lymphoid Signaling and B-Cell Malignancy

Alexander Hoffmann, University of California, San Diego, USA
NF-kB Network Functions to Fine-Tune Lymphocyte Expansion

Robert C. Rickert, Sanford-Burnham Medical Research Institute, USA
Functional Specificity of IKK Complexes in B-Cell Fate Decisions

Short Talk(s) Chosen from Abstracts

Cell Decision Systems

Peter Sorger[†], Harvard Medical School, USA
Determinants of Trail-Induced Cell Death

Suzanne Gaudet, Dana-Farber Cancer Institute/Harvard Medical School, USA
Measuring, Modeling and Leveraging Cell-to-Cell Variability in Responses to TNF

Shigeki Miyamoto, University of Wisconsin, Madison, USA
Genotoxic NF-kB Responses

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, FEBRUARY 27

Signaling Systems in Cancer

Michael Karin, University of California, San Diego, USA
NFkB in Solid Tumors

Louis M. Staudt, NCI, National Institutes of Health, USA
Systems Biology of B Cell Malignancies

Riccardo Dalla-Favera, Columbia University, USA
Lymphocytic Cancers

Klaus Rajewsky, Max Delbrück Center for Molecular Medicine, Germany
Mouse Models of NFkB's Roles in Cancer

Short Talk(s) Chosen from Abstracts

Workshop 2 for Highly Innovative, Recent Studies to be Presented

Short Talks Chosen from Abstracts

NFkB Systems Pharmacology

Philip Cohen, University of Dundee, UK
The Composition and Regulation of the NEMOsome

Frank Mercurio, BioTheryX, Inc., USA
Targeting NF-kappaB in the Clinic: Embrace the Complexity

Albert S. Baldwin Jr., University of North Carolina School of Medicine, USA
IKK Signaling in Cancer and Disease

Short Talk Chosen from Abstracts

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FRIDAY, FEBRUARY 28