

Keystone Symposia: NF- κ B in Inflammation and Disease

January 5–10, 2010 • Eldorado Hotel & Spa • Santa Fe, New Mexico • USA

Scientific Organizers: Michelle A. Kelliher, Manolis Pasparakis and Jürg Tschopp

PROGRAM FACULTY & TALKS

Laurence Arbibe, Institut Pasteur, France

*Innate Immune Subversion by Chromatin Modifications:
A New Face of Host-Bacterial Pathogen Interaction*

Albert S. Baldwin Jr., University of North Carolina School of Medicine, USA
IKK- and NF- κ B-Dependent Pathways in Cancer

David Baltimore, California Institute of Technology, USA
MicroRNAs and Regulation of NF- κ B

Yinon M. Ben-Neriah, Hebrew University, Hadassah Medical School, Israel
Wnt and NF- κ B Cooperativity in Intestinal Tumorigenesis

Jean-Laurent Casanova, Rockefeller University, USA
Impaired NF- κ B Signaling in Human Immune Deficiency

Zhijian James Chen, University of Texas Southwestern Medical Center, USA
Regulation of NF- κ B Signaling by Ubiquitination

Katrin Chua, Stanford University Medical Center, USA
SIRT6 Regulation of NF- κ B-Dependent Gene Expression

Ivan Dikic, Goethe University Medical School, Germany
Linear Ubiquitin Binding Domains in NF κ B Activation

Vishva M. Dixit*, Genentech, Inc., USA
Deubiquitinases in NF- κ B Regulation

Sankar Ghosh, Yale University, USA
Regulation of p65/RelA Transcriptional Activity by I κ B β

William C. Hahn, Harvard Medical School, USA
Non-Canonical IKK Kinases and Cancer

Michael Karin, University of California, San Diego, USA
IKK Signaling in Cancer

Michelle A. Kelliher, University of Massachusetts Medical School, USA
Rip Proteins in Innate Immune Signaling

Martin Kroenke, Institute of Medical Microbiology, Immunology and Hygiene, Germany
TNF Signaling and Regulation of ROS Production

Lih-Ling Lin†, Wyeth Pharmaceuticals, USA
Development of Tpl2 (MAP3K8) and Other Kinase Inhibitors for the Treatment of Inflammatory Disease

Gioacchino Natoli, IEO, European Institute of Oncology, Italy
Transcriptional Regulation of Inflammatory Gene Expression by NF- κ B

Manolis Pasparakis, University of Cologne, Germany
IKK/NF- κ B Signaling in Mouse Models of Inflammatory Disease

Laura Pasqualucci, Columbia University, USA
Mutation of Multiple NF- κ B Signaling Proteins in DLBCL

Steven E. Shoelson, Harvard Medical School, Joslin Diabetes Center, USA
Roles of NF- κ B in the Pathogenesis and Potential Treatment of Type 2 Diabetes

Richard M. Siegel, National Institutes of Health, USA
ROS and Abnormal TNFR1 Signaling in TRAPS

Margot Thome, Universite de Lausanne, Switzerland
MALT1 Signaling to NF- κ B

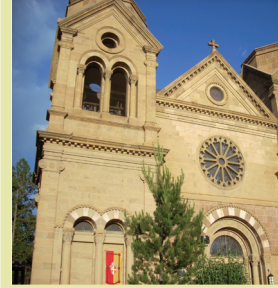
Jürg Tschopp, University of Lausanne, Switzerland
The Inflammasomes

Inder M. Verma, The Salk Institute, USA
NF- κ B Regulation and Function

Hao Wu, Weill Medical College of Cornell University, USA
Structural and Functional studies of the CBM Complex in Antigen-Receptor Induced NF- κ B activation

*Keynote speaker. †Invited, not yet confirmed. Program subject to change.

Current as of September 8, 2009



In the past 10 years, impressive progress has been made in how the NF- κ B transcription factor is regulated and how diverse signals frequently use ubiquitin-dependent mechanisms to activate NF- κ B. Many of the signal transducers and regulatory enzymes have been identified and their essential roles in NF- κ B regulation revealed through genetic analyses in mice. More recent work highlights the importance of NF- κ B in innate immune signaling by cell surface Toll-like receptors and cytosolic Nod-like receptors. Although current research clearly implicates NF- κ B in diabetes, inflammatory diseases and cancer, a challenge for the future will be to reveal the precise molecular and cellular mechanisms of NF- κ B dysfunction in disease. The realization that NF- κ B activity is regulated by kinases and ubiquitin-modifying enzymes presents multiple opportunities for therapeutic intervention. In addition to highlights from basic research, results from clinical trials using IKK and other NF- κ B inhibitors are expected to be presented at this meeting.

PROGRAM PLENARY SESSIONS & WORKSHOPS:

- Regulation of the NF- κ B Pathway
- Workshop 1: NF- κ B Regulation
- Transcriptional Regulation by NF- κ B
- Innate Immune Receptor Signaling to NF- κ B
- Workshop 2: NF- κ B and Innate Immunity
- NF- κ B in the Immune Response
- NF- κ B in Inflammatory Diseases
- NF- κ B and Oxidative Stress
- NF- κ B and Cancer
- Workshop 3: NF- κ B in Disease Pathogenesis
- NF- κ B Inhibitors in the Clinic

DEADLINES:

Abstract & Scholarship: September 14, 2009

Late-Breaking Abstract: October 5, 2009

Early Registration: November 2, 2009

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