

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Cell Death, Inflammation and Adaptation to Tissue Stress (A6)

January 21-25, 2018 • Beaver Run Resort • Breckenridge, Colorado, USA

Scientific Organizers: Pascal Meier, Eric H. Baehrecke and Kim Newton

Sponsored by Akebia Therapeutics

Abstract & Scholarship Deadline: September 27, 2017 / Abstract Deadline: October 25, 2017 / Discounted Registration Deadline: November 28, 2017

SUNDAY, JANUARY 21

Arrival and Registration

MONDAY, JANUARY 22

Welcome and Keynote Address

Douglas R. Green, St. Jude Children's Research Hospital, USA
Programmed Necrosis in Inflammation: Toward Identification of the Effector Molecules

RIP Kinases and the Regulation of Tissue Homeostasis

Manolis Pasparakis, University of Cologne, Germany
Epithelial Cell Death in Tissue Homeostasis and Inflammation
John Silke, Walter and Eliza Hall Institute of Medical Research, Australia
Primed to Die - the in vivo Consequences of Activating Mutations in the Necroptotic Cell Death Pathway
Vishva M. Dixit, Genentech, Inc., USA
Inflammasomes and their Roles in Health and Disease
Short Talk(s) Chosen from Abstracts

Workshop 1: Signaling in Cell Death and Inflammation I

Short Talk(s) Chosen from Abstracts

Autophagy, Cell Health and Death

Eric H. Baehrecke, University of Massachusetts Medical School, USA
Eaten Alive: Novel Insights into Autophagy from Multicellular Model Systems
Kevin M. Ryan, Beatson Institute for Cancer Research, UK
The Role of Autophagy in Cellular Stress Responses and Tumor Development
Ivan Dikic, Goethe University Medical School, Germany
Novel Ubiquitin Conjugation in Regulation of Cell Death
Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, JANUARY 23

Inflammatory Cell Death

Eicke Latz, University of Bonn, Germany
The Paracrine Response to Inflammasome Activation and Pyroptosis
Kate A. Fitzgerald, University of Massachusetts Medical School, USA
Inflammasome Complexes: Emerging Mechanisms and Effector Functions
Speaker to be Announced
Kim Newton, Genentech, Inc., USA
Exploring the Pro-Survival Function of RIPK1
Short Talk(s) Chosen from Abstracts

Cancer as a Systemic Disease

Laura D. Attardi, Stanford University School of Medicine, USA
Deciphering p53 Transcriptional Networks in Tumor Suppression

Scott W. Lowe, Memorial Sloan Kettering Cancer Center, USA
Constructing and Deconstructing Cancer Using Mouse Models
Guillermina Lozano, University of Texas MD Anderson Cancer Center, USA
Deregulation of the p53 Tumor Suppressor Pathway in Cancer
Short Talk Chosen from Abstracts

Poster Session 2

WEDNESDAY, JANUARY 24

Adaptive Responses to Tissue Stress

Pascal Meier, Institute of Cancer Research, UK
RIPK1 and the Maintenance of Tissue Homeostasis
Andrew Oberst, University of Washington, USA
Death-Independent Roles of the RIP Kinases in Host Defense
Mathieu JM Bertrand, VIB / Ghent University, Belgium
Regulation of TNF-Mediated Inflammatory Responses by RIPK1 Phosphorylation
Andreas Villunger, Medical University Innsbruck, Austria
Exploring the PIDDosome in Tissue Homeostasis
Short Talk(s) Chosen from Abstracts

Death-Induced Tissue Remodelling

Andreas Bergmann, University of Massachusetts Medical School, USA
The Role of Apoptosis-Induced Proliferation for Regeneration and Cancer
Laura Johnston, Columbia University, USA
Socializing with MYC: Cell Competition in Development and as a Model for Premalignant Cancer
Michael Overholtzer, Memorial Sloan Kettering Cancer Center, USA
LC3 Lipidation in LAP-Related Processes
Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, JANUARY 25

Resolution and Healing

Will Wood, University of Bristol, UK
Immune Cell Signal Prioritization: Recognizing Death and Damage in vivo
Dorothy Schafer, University of Massachusetts Medical School, USA
Neuroinflammation: Ways in Which the Immune System Affects the Brain
Christopher D. Gregory, University of Edinburgh, UK
Sinister Self-Sacrifice: Contributions of Apoptosis to Malignant Disease
Kodi S. Ravichandran, University of Virginia, USA
Eating a Good Apoptotic Meal: Implications for Health and Disease
Short Talk(s) Chosen from Abstracts

Workshop 2: Signaling in Cell Death and Inflammation II

Short Talk(s) Chosen from Abstracts

Immune Response Against Dying Tumor Cells

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Matthew L. Albert, Genentech, Inc., USA

Apoptotic Cell-Mediated Antigen Presentation

Scott Cameron, Novartis Institutes for Biomedical Research, USA

Clinical Experience with an IAP Antagonist, LCL161

Keynote Address

Andreas E. Strasser, Walter and Eliza Hall Institute of Medical Research, Australia

Cell Death Control and Tumor Development

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

FRIDAY, JANUARY 26

Departure