

# 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