

# KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

## Ubiquitin Signaling (A8)

January 28-February 1, 2018 • Granlibakken Tahoe • Tahoe City, California, USA

Scientific Organizers: David Komander and Sylvie Urbé

Sponsored by Cell Research

Abstract & Scholarship Deadline: October 2, 2017 / Abstract Deadline: October 31, 2017 / Discounted Registration Deadline: November 30, 2017

### SUNDAY, JANUARY 28

#### Arrival and Registration

### MONDAY, JANUARY 29

#### Welcome and Keynote Address

**Brenda A. Schulman**, St. Jude Children's Research Hospital, USA  
*SCF Ligase Regulation*

#### The Ubiquitin Code I - Ubiquitin Chains

**Raymond J. Deshaies**, California Institute of Technology and Cleave Biosciences  
*p97 Inhibitors*

**Andreas Matouschek**, University of Texas at Austin, USA  
*Selecting Proteins for Proteasomal Degradation*

**David Toczyński**<sup>†</sup>, University of California, San Francisco, USA  
*Talk Title to be Announced*

#### Short Talk(s) Chosen from Abstracts

#### The Ubiquitin Code II - Ub/Ubl Modifications

**Christopher D. Lima**, Memorial Sloan Kettering Cancer Center, USA  
*Ubl Proteins, Conjugation and Signaling*

**Frauke Melchior**, Universität Heidelberg, Germany  
*SUMO Modifications*

**Jon Huibregtse**, University of Texas at Austin, USA  
*Functions of ISG15 in Innate Immune Responses*

#### Short Talk Chosen from Abstracts

#### Poster Session 1

### TUESDAY, JANUARY 30

#### Ubiquitin in the Host's Response to Infection

**Vishva M. Dixit**, Genentech, Inc., USA  
*Ubiquitin in Inflammation*

**Mads Gyrd-Hansen**, University of Oxford, UK  
*Deubiquitinases in Inflammation*

#### Speaker to be Announced

**Zhijian James Chen**, University of Texas Southwestern Medical Center, USA  
*Ubiquitin in Host Responses*

#### Short Talk(s) Chosen from Abstracts

#### Genetic Disorders

**Ivona Aksentijevich**, NHGRI, National Institutes of Health, USA  
*NF- $\kappa$ B Pathway in Autoinflammatory Diseases: Ubiquitination Meets autoinflammation*

**Ryan Potts**, St. Jude Children's Research Hospital, USA  
*MAGE Proteins in Cancer*

**Miratul Muqit**, University of Dundee, UK  
*Dissecting Signaling Pathways in Parkinson's Disease*

#### Short Talk Chosen from Abstracts

#### Poster Session 2

### WEDNESDAY, JANUARY 31

#### Protein Degradation in Diseases

**Daniel J. Finley**, Harvard University and Proteostasis, Inc.  
*Proteasome Regulation*

**Mark W. Hochstrasser**, Yale University, USA  
*Regulation by Ub and SUMO Proteases*

**Nicolas H. Thomä**, Friedrich Miescher Institute for Biomedical Research, Switzerland  
*SCF Ligase Regulation*

**Craig M. Crews**, Yale University and Arvinas, Inc.  
*PROTACs: Induced Protein Degradation as a Therapeutic Strategy*

#### Short Talk(s) Chosen from Abstracts

#### Regulation of Autophagy and Mitophagy by Ubiquitin

**Sylvie Urbé**, University of Liverpool, UK  
*Role of Deubiquitinases in Mitophagy*

**Richard J. Youle**, NINDS, National Institutes of Health, USA  
*Role of Ubiquitin Binding Proteins in Organelle Maintenance and Morphogenesis*

**J. Wade Harper**, Harvard Medical School, USA  
*Mass-Spectrometric Analysis of Autophagy and Mitophagy*

#### Short Talk Chosen from Abstracts

#### Poster Session 3

### THURSDAY, FEBRUARY 1

#### Nuclear Roles of Ubiquitin

**Titia K. Sixma**, Netherlands Cancer Institute, Netherlands  
*Histone Ubiquitination and Deubiquitination*

**Niels Mailand**, University of Copenhagen, Denmark  
*Ubiquitin-Mediated Responses to DNA Replication Stress*

**Agata Smogorzewska**, Rockefeller University, USA  
*Ubiquitin and the DNA Damage Response*

**Cynthia Wolberger**, Johns Hopkins University School of Medicine, USA  
*SAGA Complexes*

#### Short Talk(s) Chosen from Abstracts

#### New Paradigms in Ubiquitin Modification(s)

**Ivan Dikic**, Goethe University Medical School, Germany  
*Novel Chemistry of Ubiquitin Modification and Conjugation*

#### Speaker to be Announced

**David Komander**, MRC Laboratory of Molecular Biology, UK  
*New Tools to Study Chain Architecture*

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

### FRIDAY, FEBRUARY 2

#### Departure