

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

Supported by the Directors' Fund

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[†], 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- κ 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