

UC Berkeley Cell & Developmental Biology Spring Symposium

*“Autophagy in cellular homeostasis, development, and disease”*

Saturday, Mar. 21, 2015

8:45 a.m.-5:00 p.m.

245 Li Ka Shing Center  
(UCB Campus)

- 8:45 Opening remarks by James Hurley
- Session I Molecular and biochemical mechanisms of autophagy  
(Chair, James Hurley)**
- 9:00-9:40 **Daniel Klionsky**, University of Michigan  
“The regulation and mechanism of autophagy”
- 9:40-10:20 **Brenda Schulman**, St. Jude Children's Research Hospital  
"Mechanisms of ubiquitin-like protein conjugation"
- 10:20-11:00 **Sascha Martens**, Max F. Perutz Laboratories, University of Vienna, Austria  
“Molecular mechanisms of selective autophagy”
- 11:00-11:20 Break (2<sup>nd</sup> floor lobby of LKS)
- Session II Autophagy in neuronal homeostasis and neurodegeneration  
(Chair, Roberto Zoncu)**
- 11:20-12:00 **Richard Youle**, National Institutes of Health/NINDS  
"How autophagy machinery is activated and recruited downstream of Parkin ubiquitination of mitochondria"
- 12:00-12:40 **Andrea Ballabio**, Telethon Institute of Genetics and Medicine, Naples, Italy and Baylor College of Medicine  
"The lysosome as a signaling hub"
- 12:40-2:00 Lunch (not provided)
- 2:00-2:40 **Erika Holzbaur**, University of Pennsylvania  
“Autophagy and mitophagy in neuronal homeostasis and neurodegeneration”
- Session III Emerging physiological roles of autophagy  
(Chair, Randy Schekman)**
- 2:40-3:20 **Emmanuelle Passequé**, University of California, San Francisco  
"Autophagy in hematopoietic stem cell function"
- 3:20-4:00 **Craig Roy**, Yale School of Medicine  
"Microbial manipulation of host autophagy"
- 4:00-4:40 **Alec Kimmelman**, Dana Farber Cancer Institute and Harvard Medical School  
"Autophagy, metabolism, and pancreatic cancer"
- 4:40 Closing remarks by Randy Schekman
- Reception (2<sup>nd</sup> floor lobby of LKS)