

Contents

Crosstalk Between the SUMO and Ubiquitin Pathways <i>T. Hunter, H. Sun</i>	1
A Tale of Two Giant Proteases <i>B. Rockel, W. Baumeister</i>	17
Molecular Genetics of the Ubiquitin-Proteasome System: Lessons from Yeast <i>M. Hochstrasser, M. Deng, A.R. Kusmierczyk, X. Li, S.G. Kreft, T. Ravid, M. Funakoshi, M. Kunjappu, Y. Xie</i>	41
Less Is More: How Protein Degradation Regulates Muscle Development <i>T. Hoppe</i>	67
Transcriptional Control and the Ubiquitin-Proteasome System <i>A. Leung, F. Geng, A. Daulny, G. Collins, P. Guzzardo, W.P. Tansey</i>	75
Ubiquitination of Myc: Proteasomal Degradation and Beyond <i>J. Müller, M. Eilers</i>	99

Regulation of Apoptosis and Cytokinesis by the Anti-apoptotic E2/E3 Ubiquitin-Ligase BRUCE <i>C. Pohl, S. Jentsch</i>	115
Dissecting Roles of Ubiquitination in the p53 Pathway <i>J. Shan, C. Brooks, N. Kon, M. Li, W. Gu</i>	127
Regulation of T Cell Differentiation and Allergic Responses by the E3 Ubiquitin Ligase Itch <i>Y.-C. Liu</i>	137
Approaches to Discovering Drugs that Regulate E3 Ubiquitin Ligases <i>J. Huang, L. Tsvetkov, K. Qu, S. Daniel-Issakani, D.G. Payan</i> . . .	153
Inhibiting Hdm2 and Ubiquitin-Activating Enzyme: Targeting the Ubiquitin Conjugating System in Cancer <i>A.M. Weissman, Y. Yang, J. Kitagaki, C.A. Sasiela, J.A. Beutler, B.R. O'Keefe</i>	171

The Ubiquitin System in Health and Disease

Jentsch, S.; Haendler, B. (Eds.)

2009, XVI, 191 p. 39 illus., 32 illus. in color., Hardcover

ISBN: 978-3-540-85106-6