



The Ubiquitin Code in Cellular Signaling and Homeostasis

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Deadline for manuscript
submissions:

closed (30 January 2020)

Message from the Guest Editors

The ubiquitylation of a protein, as well as the synthesis of free polyubiquitin chains, is a process involving the action of three classes of enzymes: E1, E2, and E3. The E3 ligases, responsible for substrate specificity, are classified as RING, RBR, or HECT. Conversely, ubiquitin removal is catalyzed by deubiquitylating enzymes (DUBs). Ubiquitin conjugates adopt distinct conformational ensembles that can be recognized by effector proteins that recognize ubiquitin via specific ubiquitin-binding domains (UBDs). Thus, ubiquitin—either as monomer or as chains—can encode information that is deciphered by UBDs to trigger specific biological outcomes.

This Special Issue aims to include contributions from scientists with a long-standing interest in ubiquitination as a central player in regulating cell signaling and homeostasis.





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Message from the Editor-in-Chief

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