Special Issue

Emerging Role of Mitochondrial Reactive Oxygen Species in Cellular Signaling

Message from the Guest Editors

Majima et al. were the first to report that reactive oxygen species (ROS) generated from mitochondria promote apoptosis (Majima et al., J Biol. Chem. 1998), while Itoh et al. described the function of the Nrf2-Keap1 intercellular signal for the first time (Itoh et al., Biochem. Biophys. Res. Commun. 1997, Itoh et al., Genes Dev. 1999). A recent study has described that ROS generated from mitochondria initiate cellular transduction in cytosol (Indo et al. Handb Exp Pharmacol. 2017). In this Special Issue, the further role of ROS and the subsequent intracellular signals, protein, and molecules' transport-change will be clarified. The aim of this Special Issue is the establishment of cellular signaling and metabolism change based on mitochondrial ROS augmentation. Thus, the Special Issue explores the physiological and pathological new function of mitochondrial ROS.

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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