



Programmed Cell Death and Oxidative Stress

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Message from the Guest Editor

Dear Colleagues,

Cells that constitute aerobic organisms are continuously exposed to reactive oxygen species (ROS), whose accumulation often initiates oxidative stress. Importantly, oxidative stress plays a critical role in the determination of cell fate by inducing cellular responses, such as proliferation, differentiation, and programmed cell death. Accumulating evidence indicates that oxidative stress initiates various forms of programmed cell death including apoptosis, necroptosis, pyroptosis, parthanatos, and ferroptosis. Moreover, all types of oxidative-stress-induced cell death are closely associated with a wide variety of diseases. For this Special Issue, studies of a wide range of signaling mechanisms and pathological processes related to oxidative stress-induced cell death are welcome.

Dr. Takuya Noguchi
Guest Editor





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Message from the Editor-in-Chief

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