

## Special Issue

# Programmed Cell Death and Oxidative Stress

### Message from the Guest Editor

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.

### Guest Editor

Dr. Takuya Noguchi

Department of Biopharmaceutical Science, Tohoku University, Sendai 980-8578, Japan

### Deadline for manuscript submissions

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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