

## Special Issue

# Molecular Mechanisms of Combined Radiation Injury and Its Therapies

### Message from the Guest Editor

Combined radiation injury (CI) is a serious problem as it is more likely to be encountered than radiation injury (RI) in the real world. CI is defined as radiation exposure that takes place before or after a form of trauma that can be a physical wound, burn, hemorrhage, infection, blasting, bone fracture, or total brain injury, to name but a few examples. It is evident that while RI causes acute radiation syndrome (ARS), CI compounds the effects of ARS, resulting in multiorgan dysfunction and increases in mortality. Although radiation-induced cataracts are not fatal, the subject receives little attention.

The molecular mechanisms of CI are complex and not fully understood. Moreover, there are no radioprotectants, radiomitigators, or therapeutics available for preventing or treating CI because of its complexity. For this Special Issue, we aim to invite original articles or reviews that report on the current progress of molecular mechanisms of CI, CI-induced ARS, delayed effects of CI, and prophylactic drugs and therapeutics for CI, including gene, cell, or combinational therapies targeting bone marrow, gastrointestinal system, endothelium, brain, skin, eye, lung, and kidney.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2020)



## International Journal of Molecular Sciences

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Impact Factor 5.6  
CiteScore 10.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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