

# Special Issue

## Inflammation and Cancer 2023

### Message from the Guest Editors

Activation of inflammasomes, which are large protein complexes, plays a critical role during inflammation by producing cytokines. The activation of inflammasomes plays diverse and sometimes contrasting roles in cancer promotion and therapy, depending on the specific context. Recent studies have shown that autophagy, an intracellular degradation system associated with maintenance of cellular homeostasis, plays a key role in inflammasome inactivation. Meanwhile, autophagy is induced upon progression of various human cancers to metastasis. Thus, major players in inflammation may be a double-edged sword for carcinogenesis. In this context, appropriate strategies will be required to prevent cancer. In light of this, this Special Issue, entitled "Inflammation and Cancer 2023", is well-timed to say the least, and provides a practical appreciation for the many biochemical, molecular, immunological, and cellular mechanisms shared by cancer and inflammatory processes.

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### Guest Editors

Prof. Dr. Takuji Tanaka

Prof. Dr. Masahito Shimizu

Dr. Michihiro Mutoh

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### Deadline for manuscript submissions

closed (20 December 2024)



## International Journal of Molecular Sciences

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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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