

## Special Issue

# Molecular Mechanisms of Ovarian Cancer Development and Metastasis

### Message from the Guest Editors

Ovarian cancer is the most lethal gynecological malignancy in the world due to the lack of early detection tools and effective therapeutic intervention. Recent research that elucidates the tumor biology and molecular pathways that mediate cancer progression and drug resistance has led to the development of various molecular targeted therapies involving monoclonal antibodies, small molecule receptor tyrosine kinase inhibitors and agents blocking downstream signaling pathways in ovarian cancer. Recent studies have identified that each histotype of ovarian cancer shows different molecular mechanisms of carcinogenesis. In light of this, this Special issue will focus on how genomics, epigenomics and proteomics are altered in cancer progression. We invite you to contribute original articles that describe the carcinogenesis, tumor microenvironment, in vitro/vivo models, and targeted therapies. Review articles describing recent topics including precision oncology using panel sequencing, tumor heterogeneity, cancer metabolism, or immunotherapy in ovarian cancer are also welcome.

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### Guest Editors

Prof. Dr. Kentaro Nakayama

Dr. Kohei Nakamura

Dr. Seiya Sato

Dr. Hiroshi Katagiri

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### Deadline for manuscript submissions

closed (30 September 2019)



## International Journal of Molecular Sciences

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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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### Message from the Editor-in-Chief

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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