

## Special Issue

# Role of Chromosomal Cohesion and Separation in Health and Disease

### Message from the Guest Editor

Since the identification of chromosomal cohesin complex proteins in 1997, over two decades ago, this field has exploded, with over 5000 publications. However, recent findings from several large genomics studies of widespread somatic mutations of cohesin and cohesion-associated genes with potential functional links to carcinogenesis in a wide range of human cancers, and germ-line mutations of cohesin components exhibiting an array of developmental phenotypes collectively called cohesinopathy have brought an intense focus to this field. As this is a very fast-moving field with a tremendous interest in cohesin proteins in a wide range of human diseases, this Special Issue on the “Role of Chromosomal cohesion and Separation in human Health and Disease” will cover a selection of recent research topics encompassing cohesinopathy, the physiological role of cohesin in development and malignancy, cohesin as novel therapeutic targets, and emerging strategies to rectify or eliminate cells with dysfunctional cohesin complexes.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2021)



## International Journal of Molecular Sciences

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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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