

Special Issue

Cell Fusion in the Living Matter

Message from the Guest Editor

Even though the fusion of, e.g., vesicles, enveloped viruses/ host cells, and even whole cells appears simple, like the merging of two soap bubbles, it is well known that the fusion of bilayered phospholipid membranes is a highly complex, energy-dependent, tightly regulated, and still not yet fully resolved process. The aim of this Special Issue is to bring more light into the dark of the complexity of vesicle, virus, and cell–cell fusion, and we welcome research papers and reviews on the following topics:

- Similarities and differences in vesicle, virus/host, and cell–cell fusion;
- Macrophage fusion/osteoclastogenesis;
- Trophoblast fusion/placentation;
- Sperm–oocyte fusion/fertilization;
- Myoblast fusion/myogenesis;
- Virus–host cell fusion.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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