

Special Issue

Advanced Research in Cardiopulmonary Injury

Message from the Guest Editor

Cardiopulmonary disease refers to a range of severe conditions affecting the heart and lungs.

Epidemiological studies have revealed that many environmental and maternal factors and fetal factors interact during fetal development. As a result of these risk factors, maternal–fetal morbidity and developmental plasticity are altered, and cardiopulmonary injury and repair processes in the fetus and newborn infant lead to adult-onset systemic pulmonary or cardiovascular conditions. During the development and morphogenesis of cardiopulmonary tissues, the molecular mechanisms involved rely on genetics and epigenetics and signaling crosstalk in regulating cell survival, growth, proliferative activity, and differentiation. Pathological phenotypes can result from the abnormal regulation of any of these processes. This Special Issue of the *International Journal of Molecular Sciences* focuses on the field of cardiopulmonary injury, and welcomes both original research articles and review papers that deal with the molecular mechanisms linking to developmental cardiopulmonary disease, as well as potential therapeutic interventions for cardiopulmonary growth/developmental disorder.

Guest Editor

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Deadline for manuscript submissions

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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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