

Special Issue

Common Molecular Mechanisms in Embryonic Development

Message from the Guest Editor

Recent data on molecular mechanisms have contributed significantly to reaching a better comprehension about embryonic development. Multiple genes, transcription factors, microRNAs, growth factors, including their corresponding signaling pathways, are highly orchestrated to regulate cellular proliferation, migration and differentiation. Interestingly, many of these factors present common molecular features that appear in different processes in organ development and. Furthermore, these factors may be able to regulate organ structure and function, morphogenetic events essential to embryonic development. This Special Issue aims to provide complementary findings concerning molecular mechanisms in multiple development processes. Dissection of molecular mechanisms will generate not only an integrated understanding of early embryogenesis, but also recognition of potential candidates for congenital malformation syndromes, opening a window for new preventive and therapeutic strategies.

Guest Editor

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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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