

Special Issue

Notch Signaling Pathways

Message from the Guest Editor

Notch signal transduction is an evolutionarily conserved pathway in multicellular organisms. The Notch pathway mediates parallel cellular signaling, and through the ligand–receptor crosstalk, both signal-sending and -receiving cells are affected, thereby regulating a series of cell fate decisions in neuronal, cardiac, immune and endocrine development processes. Indeed, the Notch pathway has become exceedingly complex, with canonical and noncanonical Notch signaling pathways and crosstalk with various key cellular signaling pathways. Due to its role in disease and cancer, Notch signaling is an attractive target for therapeutic intervention. This Special Issue aims to attract contributions on all aspects of the role of the Notch signaling pathway in the tumor microenvironment, neuronal, cardiac, immune and endocrine development processes. Emphasis will be placed on new research articles related to Notch therapeutics in disease and cancer, and the regulation of Notch signaling in tumor development and progression.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)



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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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