

Special Issue

Molecular Mechanisms of Sprouty Proteins in Cancer

Message from the Guest Editors

Dear Colleague, The four Sprouty (SPRY1–4) proteins are important modulators of growth factor signaling. They are often dysregulated in different types of cancer and they act as tumor suppressors or oncogenes depending on the SPRY isoform and the type of malignancy. SPRY proteins are well-defined tumor suppressors in breast, lung, liver or prostate cancer, whereas in colon cancer and glioblastoma, some SPRY isoforms also act as oncogenes. Different molecular targets of SPRY proteins, which are involved in proliferation, apoptosis and cell migration, have already been identified. Due to the heterogeneity of different types of malignancies, further research on the molecular targets of SPRY proteins is required. This Special Issue will focus on the molecular mechanisms of SPRY1–4 in different types of cancer and welcomes papers addressing the molecular effects of SPRY in cancer using in vitro and in vivo studies.

Guest Editors

Dr. Barbara Hausott

Institute of Neuroanatomy, Medical University Innsbruck, 6020 Innsbruck, Austria

Prof. Dr. Lars Klimaschewski

Institute of Neuroanatomy, Medical University Innsbruck, 6020 Innsbruck, Austria

Deadline for manuscript submissions

20 November 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/220848

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)