

Special Issue

Cancer Cell Metabolism

Message from the Guest Editors

Cancer cells require excess energy and metabolite synthesis to successfully grow and metastasize. Therefore, their metabolism has to be particularly efficient. Moreover, changing extracellular conditions require that cancer cells have significant flexibility and use different pathways and supplies to supplement potentially missing metabolites. To secure the necessary substrates, cancer cells rely on the surrounding stroma and newly formed blood vessels. They also modify their metabolism and involve the tumor environment to increase their resistance to anticancer therapies. Not surprisingly, cancer cell metabolism differs significantly from its healthy counterpart and is exploited diagnostically and therapeutically. For this Special Issue, we invite the submission of research articles and reviews on metabolic mechanisms supporting tumor metastases, organ colonization, escape from immune defense, and therapeutic resistance as well as metabolic interactions with the stroma. We would like input from basic, translational, and preclinical studies.

Guest Editors

Dr. Maria E. Mycielska

Dr. Sebastian Haferkamp

Prof. Dr. Eric Parkinson

Deadline for manuscript submissions

closed (30 April 2021)



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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.

Editor-in-Chief

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