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Cancer Metabolomic Analysis

Guest Editors:

Prof. Dr. Masahiro Sugimoto

Research and Development
Center for Minimally Invasive
Therapies, Institute of Medical
Science, Tokyo Medical
University, Tokyo 108-8639,
Japan

Dr. Sho Tabata

Institute for Protein Research,
Osaka University, Osaka 565-
0871, Japan

Dr. Yoshihisa Hirota

Department of Bioscience and
Engineering, College of Systems
Engineering and Science,
Shibaura Institute of Technology,
Saitama 337-8570, Japan

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Message from the Guest Editors

Dear Colleagues,

Cancer cells shift metabolic pathways to satisfy the demands of their rapid growth and proliferation. Various properties of cancer, such as genetic and immune abnormalities, cause these metabolic alterations. In addition, physical conditions, e.g. the tumour microenvironment, also contribute to yielding the cell heterogeneities. Metabolomics is one of the approaches to capture the holistic view of the metabolic pathways. High sensitive and high-throughput technologies, such as mass spectrometry and nuclear magnetic resonance, enable us to identify and quantify hundreds of metabolites. This high-dimensional data with sophisticated data analyses realize data-driven science to understand the holistic view and find new insight into cancer metabolism. This Special Issue highlights metabolomics to understand the cancer cell metabolites. The applications toward developing a diagnosis, treatments, and relevant technologies are also highlighted.



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Special Issue



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Editor-in-Chief

Prof. Dr. Samuel C. Mok

Department of Gynecologic
Oncology and Reproductive
Medicine, The University of Texas
MD Anderson Cancer Center,
Houston, TX 77030, USA

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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Contact Us

Cancers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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cancers@mdpi.com
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