Special Issue

Advances in Plasma Oncology toward Clinical Translation

Message from the Guest Editors

In the past decade, cold atmospheric plasmas (CAPs) have been under investigation for their potential for cancer treatment, thus opening field of plasma oncology. CAPs are tunable sources for the production and delivery of reactive oxygen and nitrogen species (RONS), which positions them as a unique tool to study intracellular redox pathways and for development as a novel redox therapy. The role of the tumor microenvironment is attracting greater attention among plasma-cancer researchers. Strategies for combination therapy, e.g., immunotherapy, are also of great importance and are currently under development. In this Special Issue, we will publish original research papers that provide fundamental understanding into the mechanisms of CAPs in cancer treatment, ranging from computer modeling to in vitro and in vivo experiments and clinical trials.

Guest Editors

Prof. Dr. Annemie Bogaerts

Dr. Katharina Stapelmann

Dr. Abraham Lin

Deadline for manuscript submissions

closed (1 January 2021)

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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.

Editor-in-Chief

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