

Special Issue

Understanding the Potential of Host Defense Peptides in Treating Cancer

Message from the Guest Editors

Cancer is the second leading cause of death globally. The need is urgent to discover novel treatments for cancer that are curative and not associated with considerable toxicity. Identification of suitable drug targets is a major obstacle in cancer treatment strategies. Host defense peptides (HDPs) are biomolecules typically containing several cationic and hydrophobic amino acids that interact with the cell membrane, resulting in anti-microbial, anti-cancer, and immune modulatory activities. Anti-cancer peptides (ACPs) exhibit increased toxicity toward cancer cells compared to normal cells. The structure of ACPs impacts their mechanism of action, so better understanding ACPs will have clinical relevance. It is my pleasure to invite you and your teams to contribute original research or review articles to this Special Issue. We are especially interested in articles that cover studies on the identification, roles, and molecular mechanisms of action of ACPs, and translational approaches to the use of ACPs of clinical relevance in cancer.

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