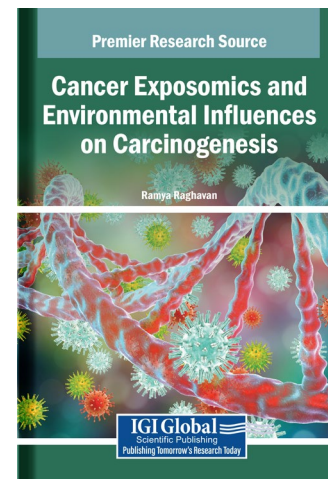


Cancer Exposomics and Environmental Influences on Carcinogenesis

Ramya Raghavan (Sri Sathya Sai University for Human Excellence, India)



Description:

Cancer exposomics is an emerging field seeking to understand how environmental exposures across a person's lifetime contribute to cancer development. Exposomics emphasize the role of external and internal environmental influences, including pollutants, diet, lifestyle, infections, and the microbiome, in carcinogenesis. This approach leverages advanced technologies like spectrometry, bioinformatics, and data analysis to map complex exposure-disease relationships. By uncovering the environmental causes of cancer, exposomics can inform prevention strategies, early detection, and targeted interventions, shifting treatment to proactive health protection.

Cancer Exposomics and Environmental Influences on Carcinogenesis explores multi-omics and its application in the exposomics of cancer. It serves as a vital resource for researchers, bridging the gap between scientific research and practical applications in cancer prevention and treatment. This book covers topics such as biology, environmental science, and medical technology, and is a useful resource for medical and healthcare workers, oncologists, engineers, academicians, researchers, and environmental scientists.

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