



## Vaccines Against Virally Induced Cancers

By I. Frazer

Hardback. Book Condition: New. Not Signed; Vaccines Against Virally Induced Cancers Chairman: Ian Frazer 1994 Viruses are responsible for approximately 15 per cent of human cancers worldwide. Epstein - Barr virus is believed to be associated with Burkitt's lymphoma, a type of nose and throat cancer that kills 40 000 people each year. The human papillomaviruses are associated with cervical and other genital cancers; hepatitis B virus increases the risk of liver cancer 200-fold. An effective vaccine against hepatitis B virus is available, but it has no effect on hepatocellular cancer. Many virally induced cancers express viral gene products, so a cytotoxic T cell response specific for the viral antigen could kill the tumour cells. There is an urgent need for vaccines against these types of cancer. This book describes various strategies to develop such vaccines. In some cases the viral proteins expressed by the tumours are known; these are recognized by T cells in vitro, but viruses have evolved diverse strategies for evading host immune responses. Investigation of these viral defence mechanisms and development of ways to overcome them are major areas of current research. Immunotherapy by transfer of cytotoxic T lymphocytes stimulated in culture to recognize tumour-specific markers...



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