

Research

The effects of hepatitis B virus integration into the genomes of hepatocellular carcinoma patients 593^{OA}

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A vast collection of microbial genes that are toxic to bacteria

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^{OA}Open Access paper.



Cover Hepatitis B virus infects human hepatocytes and randomly integrates its genome (depicted in green-yellow) into the human DNA. Such viral integration causes various genomic perturbations, occasionally affecting cancer-related genes. Clonal expansion of hepatocytes with specific integrations can be seen in tumor samples but not in the noncancerous tissues. (Cover illustration by Allison Bruce, Genentech, Inc. [For details, see Jiang et al., pp. 593–601.]