Hepatotoxicity. From Genomics to In Vitro and In Vivo Models

Description:
Liver, the primary organ involved in xenobiotic metabolism, is a major target organ for many drugs, chemicals and microbial pathogens. Therefore, hepatotoxicity is one of the most serious safety concerns in their safety evaluation.

Hepatotoxicity is an authoritative compilation of recent advances in this discipline, presented by leading international investigators, and demonstrating the multidisciplinary nature of this research field. The book addresses newer methodologies and emerging new technologies including toxicogenomics.

Topics covered include:
- models that are currently used for hepatotoxicity testing and screening
- hepatocyte cultures
- biomarkers of hepatotoxicity
- various mechanisms involved in hepatotoxicity
- genomics of hepatotoxicity
- gender difference in hepatotoxicity
- relationship between hepatotoxicity and hepatocarcinogenicity
- hepatotoxicity of botanical supplements
- risk assessment of hepatotoxins.

Hepatotoxicity gives an essential insight into the current trends and future directions of research in this field, and will be a valuable and excellent source of up-to-date information for toxicologists, investigators, risk assessors and regulators in academia, industry and government.

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