

Toxicogenomics : principles and applications / edited by Hisham K. Hamadeh, Cynthia A. Afshari

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Abstrak

Toxicogenomics : principles and applications fills the need for a single, thorough text on the key breakthrough technologies in genomics, proteomics, metabolomics, and bioinformatics, and their applications to toxicology research. The first section following a general introduction is on genomics and toxicogenomics, and qPCR. The next sections are toxicoproteomics and metabolomics. The final section covers bioinformatics aspects, from databases to data integration strategies. A practical resource for specialists and non-specialists alike, this book includes numerous illustrations that support the textual explanations.