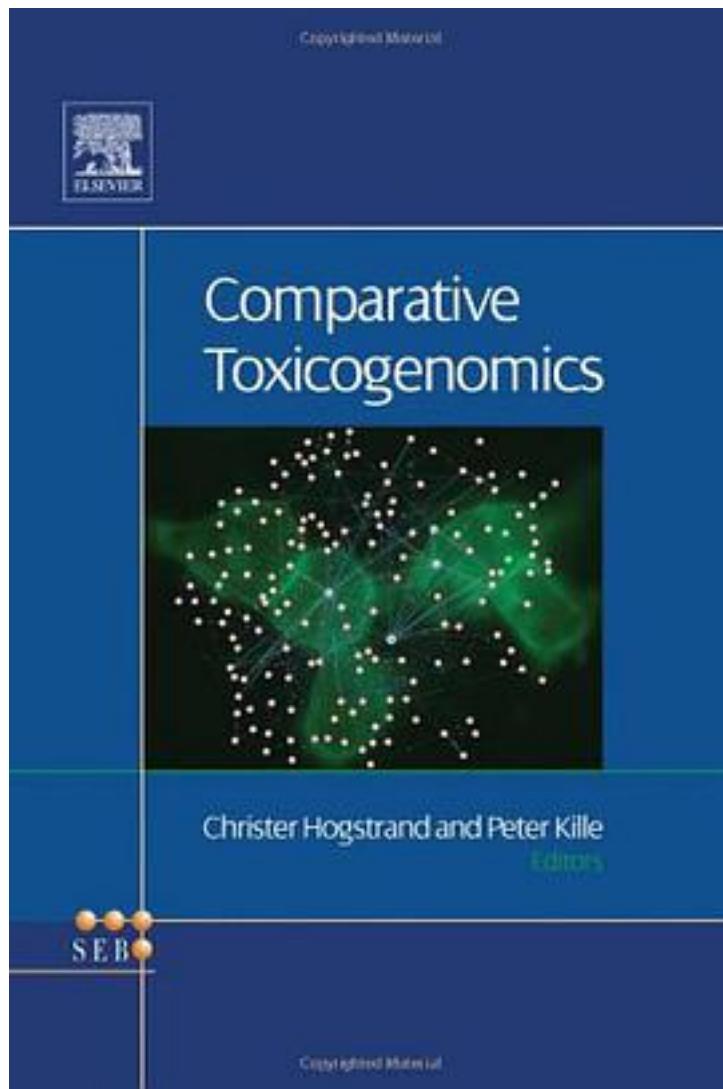


Comparative Toxicogenomics, Volume 2



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Toxicogenomics analyses the activity of a particular toxin or chemical substance on living tissue based upon a profiling of its known effects on genetic material. Toxicogenomics is important because it may enhance understanding of mechanisms of toxicity, cellular defence systems, and drug action. If this technique is proven to work, it could be used in a similar way for toxicology and toxin-determination to DNA-testing in the forensic identification of individuals.

Comparative Toxicogenomics provides a timely overview of current achievements and future areas of development including a review of some of the first really fruitful studies made in this area.

- * Provides a review of some of the first really fruitful studies made in this area.
- * Covers different organisms ranging from humans to model species and environmental sentinels so researchers can see how this technique has been used across different organisms and compare the results of each.
- * The chapters transect research interests from identification of toxic action to environmental monitoring providing a broad view of the area increasing its attractiveness to researchers working in a variety of specialties.

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