

1. Record Nr.	UNINA9910783431803321
Titolo	Toxicogenomics and proteomics [[electronic resource] /] / edited by James J. Valdes and Jennifer W. Sekowski
Pubbl/distr/stampa	Amsterdam ; ; Washington, DC, : IOS Press, c2004
ISBN	1-280-50600-8 9786610506002 1-4175-9013-0 600-00-0593-8 1-60129-473-5
Descrizione fisica	1 online resource (216 p.)
Collana	NATO science series. Series I, Life and behavioural sciences, , 1566-7693 ; ; v. 356
Altri autori (Persone)	ValdesJames J SekowskiJennifer W
Disciplina	615.9
Soggetti	Molecular toxicology Genomics Proteomics Genetic toxicology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Published in cooperation with NATO Scientific Affairs Division." "Proceedings of the NATO Advanced Research Workshop on Toxicogenomics and Proteomics, 16-20 October 2002, Prague, Czech Republic"--T.p. verso.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Cover; Title page; Foreword; Contents; Systems Biology; The Role of Bioinformatics in Toxicogenomics and Proteomics; Interpretation of Global Gene Expression Data through Gene Ontologies; Expanding the Information Window to Increase Proteomic Sensitivity and Selectivity; Understanding the Significance of Genetic Variability in the Human PON1 Gene; Functional Genomics Methods in Hepatotoxicity; The Toxicogenomics of Low-level Exposure to Organophosphate Nerve Agents; Molecular Biomarkers; Expression Profiling of Sulfur Mustard Exposure in Murine Skin: Chemokines, Cytokines and Growth Factors Further Progress in DNA Repair Puzzle in the Postgenomics EraNon-Ribosomal Peptide Synthetases for the Production of Bioactive Peptides

with Syringomycin Synthetase as an Example; Bacterial Genomics and Measures for Controlling the Threat from Biological Weapons; An Evaluation of Toxins and Bioregulators as Terrorism and Warfare Agents; Prospects on Immunoassays for the Detection of Pesticides in the Environment; Prospects for Holographic Optical Tweezers; Subject Index; Author Index

Sommario/riassunto

Toxicology uses a variety of models to assess the behavioral and histopathological consequences of exposure to certain chemicals, primarily those described here as "environmental insults." While useful to some degree, these assessments are not particularly helpful in determining the outcome of low-level exposure, or exposure to several chemicals, a
