Record Nr. UNINA9910808968703321 Toxicogenomics and proteomics [[electronic resource] /] / edited by **Titolo** 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 Edizione [1st ed.] Descrizione fisica 1 online resource (216 p.) NATO science series. Series I, Life and behavioural sciences, , 1566-Collana 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. Cover: Title page: Foreword: Contents: Systems Biology: The Role of Nota di contenuto 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