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Soggetti	Toxicity testing Molecular biology Xenobiotics - toxicity
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes bibliographical references and index
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Background to molecular and cellular toxicology -- Individual susceptibility to toxic chemicals -- Omics techniques -- In vitro methods for predicting in vivo toxicity -- In vitro methods for absorption, distribution, metabolism and excretion -- In silico methods and structure-activity relationships -- Transgenic animal models for ADME and systemic toxicity -- Genotoxicity and its measurement -- Oncogenes and the identification of human carcinogens -- Emerging techniques.
Sommario/riassunto	Toxicology is the study of the adverse effects of chemical, physical, or biological agents on people, animals, and the environment. Toxicologists are trained to investigate, interpret, and communicate the nature of those effects. Over the last ten years the subject of toxicology has changed dramatically, moving from a discipline which was once firmly wedded to traditional methods to one which is keen to

embrace the innovative techniques emerging from the developing fields of cell culture and molecular biology. There is an acute need for this to be reflected in a paradigm shift which
