Record Nr. UNINA9910830426403321 Principles and practice of skin toxicology [[electronic resource] /] / **Titolo** editors, Robert P. Chilcott and Shirley Price Pubbl/distr/stampa Chichester, West Sussex, England; ; Hoboken, NJ, : John Wiley & Sons, c2008 **ISBN** 1-281-84110-2 9786611841102 0-470-77309-X 0-470-77308-1 Descrizione fisica 1 online resource (402 p.) Altri autori (Persone) ChilcottRobert P PriceShirley, Dr. Disciplina 615.778 616.5 Soggetti Dermatotoxicology Skin - Diseases Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Principles and Practice of Skin Toxicology; Contents; Foreword; Preface; Acknowledgements: List of contributors: PART I Introduction: 1 Cutaneous anatomy and function; 1.1 Introduction and scope; 1.2 Surface features: 1.3 Functional histology of the epidermis and associated structures; 1.4 Species differences; Summary; References; 2 Biochemistry of the skin; 2.1 Introduction and scope; 2.2 Protein synthesis and organisation during epidermal differentiation; 2.3 Lipid synthesis and organisation during epidermal differentiation; 2.4 Lipid classes in the stratum corneum 2.5 Stratum corneum turnover2.6 Biotransformations in skin; Summary; References; 3 Skin photobiology; 3.1 Introduction and scope; 3.2 Photoprotection and melanogenesis; 3.3 Increased environmental ultraviolet radiation exposure and its link with photoageing and skin cancer; 3.4 Mitochondrial DNA as a biomarker of sun exposure in human skin; 3.5 Apoptosis; 3.6 Sun protection; Summary; References;

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## Sommario/riassunto

Written by authorities in the field, this book provides a "bottom up" approach to studying skin toxicology. Principles and Practice of Skin Toxicology clearly outlines basic concepts, cites historical and modern references and contains a dictionary for easy reference. The inclusion of global legislation and regulatory aspects on the topic makes this a comprehensive review for every practitioner, clinical researcher in industry and academia, and MSc and PhD student of toxicology. Different sections cover skin structure and function, principles and measurement of skin absor