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Nota di contenuto	The Pigmentary System: Physiology and Pathophysiology; Contents; Contributors; Foreword; Preface; Acknowledgments; The Physiology of the Pigmentary System; Historical and Comparative Perspectives of the Pigmentary System; 1 A History of the Science of Pigmentation; 2 Comparative Anatomy and Physiology of Pigment Cells in Nonmammalian Tissues; The Science of Pigmentation; 3 General Biology of Mammalian Pigmentation; 4 Extracutaneous Melanocytes; 5 Regulation of Melanoblast Migration and Differentiation; 6 Melanoblast Development and Associated Disorders; 7 Biogenesis of Melanosomes 8 Melanosome Traf.cking and Transfer9 Melanosome Processing in Keratinocytes; 10 The Regulation of Melanin Formation; 11 The Tyrosinase Gene Family; 12 Molecular Regulation of Melanin Formation: Melanosome Transporter Proteins; 13 Transcriptional Regulation of Melanocyte Function; 14 Enzymology of Melanin Formation; 15 Chemistry of Melanins; 16 The Physical Properties of Melanins; 17

Photobiology of Melanins; 18 Toxicological Aspects of Melanin and Melanogenesis; 19 Regulation of Pigment Type Switching by Agouti, Melanocortin Signaling, Attractin, and Mahoganoid  
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27 The Normal Color of Human Skin  
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#### Sommario/riassunto

The most comprehensive and integrated book on pigmentation The Pigmentary System, Second Edition, gathers into one convenient, all-inclusive volume a wealth of information about the science of pigmentation and all the common and rare clinical disorders that affect skin color. The two parts, physiology (science) and pathophysiology (clinical disorders), are complementary and annotated so that those reading one part can easily refer to relevant sections in the other. For the clinician interested in common or rare pigment disorders or the principles of teaching about su

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