1. Record Nr. UNINA9910827354903321 Autore Pace Betty Titolo Renaissance of sickle cell disease research in the genome era / / Betty Pace Pubbl/distr/stampa London, : Imperial College Press Hackensack, NJ,: Distributed by World Scientific Pub., c2007 **ISBN** 1-281-12051-0 9786611120511 1-86094-796-4 Edizione [1st ed.] Descrizione fisica 1 online resource (394 p.) 616.1527 Disciplina Sickle cell anemia Soggetti Genomics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Contents: PART I: THE HUMAN GENOME ERA, A HISTORIC PERSPECTIVE: PART II: CLINICAL RESEARCH PERSPECTIVES; PART III: BASIC RESEARCH PERSPECTIVES: PART IV: COMMUNITY PERSPECTIVES: Contributors: Foreword Francis S. Collins and Alan E. Guttmacher: Acknowledgments: Introduction . . . The Journey Inward Betty S. Pace; 1. Sickle Cell Disease: Demystifying the Beginnings Clarice Reid and Griffin Rodgers; 2. Sponsorship of Sickle Cell Disease Research by the National Institutes of Health: A Brief History and Projections for the Future Gregory L. Evans and David G. Badman 3. The Human Genome Project Betty S. Pace4. Sickle Cell Disease: A Phenotypic Patchwork Kim Smith-Whitley and Betty S. Pace; 5. Preventive Care and Advances in the Treatment of Sickle Cell Disease Charles T. Quinn and George R. Buchanan; 6. Sickle Cell Disease in Adults Johnson Haynes, Jr. and Ardie Pack-Mabien; 7. Pain in Sickle Cell Disease: A Multidimensional Construct Lennette J. Benjamin and Richard Payne: 8. Transfusion Therapy in Sickle Cell Disease Carolyn

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Sommario/riassunto

The Human Genome Project has spawned a Renaissance of research faced with the daunting expectation of personalized medicine for individuals with sickle cell disease in the Genome Era. This book offers a comprehensive and timeless account of emerging concepts in clinical and basic science research, and community concerns of health disparity to educate professionals, students and the general public about meeting this challenging expectation. Contributions from physicians, research scientists, scientific administrators and community workers make Renaissance of Sickle Cell Disease Research in the