1. Record Nr. UNINA9910451113403321 Autore Pace Betty Titolo Renaissance of sickle cell disease research in the genome era [[electronic resource] /] / 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 Descrizione fisica 1 online resource (394 p.) Disciplina 616.1527 Soggetti Sickle cell anemia Genomics Electronic books. 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 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

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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