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| Nota di contenuto       | Front Matter -- Contents -- Preface -- Executive Summary -- I INTRODUCTION and OVERVIEW -- II ISSUES IN BIOTECHNOLOGY and INFORMATION TECHNOLOGY -- III FINDINGS AND RECOMMENDATIONS -- IV PROCEEDINGS -- Welcome -- Introduction to the Symposium -- Opening Remarks -- Panel I: Biotechnology Information Technologies: The Need for a Diversified Federal Research Portfolio -- THE VIEW FROM THE SEMICONDUCTOR INDUSTRY -- Panel II: A Historical Perspective: Federal Partnerships in Computing and Biotechnology -- Panel III: Biotechnology: Needs and Opportunities -- Panel IV: Information Technology: New Opportunities-New Needs -- Panel V: Capturing New Opportunities -- Panel VI: Intellectual Property and the Public Domain: Sectoral Perspectives -- V RESEARCH PAPERS -- VI ANNEX -- Annex A: Biographies of Contributors* -- Annex B: |

Sommario/riassunto

This report addresses a topic of recognized policy concern. To capture the benefits of substantial U.S. investments in biomedical R&D, parallel investments in a wide range of seemingly unrelated disciplines are also required. This report summarizes a major conference that reviewed our nation (TM)s R&D support for biotechnology and information technologies. The volume includes newly commissioned research and makes recommendations and findings concerning the important relationship between information technologies and biotechnology. It emphasizes the fall off in R&D investments needed to sustain the growth of the U.S. economy and to capitalize on the growing investment in biomedicine. It also encourages greater support for inter-disciplinary training to support new areas such as bioinformatics and urges more emphasis on and support for multi-disciplinary research centers.

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