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| Nota di contenuto | Funding Health Sciences Research -- Copyright -- Foreword -- Preface -- Contents -- Executive Summary -- OBJECTIVES OF THE STUDY -- FINDINGS AND CONCLUSIONS -- RECOMMENDATIONS -- Rebalancing Health Sciences Research Funds -- 1. No Real Growth: -- 2. Two Percent Real Growth: -- 3. Four Percent Real Growth: -- 4. More Rapid Growth: -- Talent Renewal -- Improving the Research Project Grants System -- Changes in Research Management -- The Physical Infrastructure -- Establishing an Ongoing Process for Research Program Management and Oversight -- Improving Communication Among Federal Agencies -- Improving Communication Between Federal and Nonfederal Health Sciences Research Sponsors -- SCIENTIST RESPONSIBILITIES -- A CALL TO ACTION -- 1 Introduction -- OBJECTIVES OF THE STUDY -- BOUNDARIES AND GOALS OF HEALTH SCIENCES RESEARCH -- REFERENCES -- 2 Funding for Health Sciences Research -- FEDERAL SUPPORT FOR HEALTH SCIENCES R&A -- D -- |

NIH and ADAMHA -- Centers for Disease Control -- Office of the Assistant Secretary for Health -- Department of Veterans Affairs -- National Science Foundation -- National Aeronautics and Space Administration -- Health Care Financing Administration -- Department of Defense -- Department of Energy -- INDUSTRY -- Pharmaceutical Industry -- Biotechnology -- General Trends -- Legislation Affecting Corporate R&D -- D -- University-Industry Cooperation -- NONPROFIT ORGANIZATIONS -- Foundations -- Voluntary Health Agencies -- Medical Research Organizations -- SUMMARY AND CONCLUSIONS -- REFERENCES -- 3 Setting Federal Science and Technology Priorities -- SCIENCE AND TECHNOLOGY ADVICE TO GOVERNMENT -- Presidential Science and Technology Advice -- Congressional Science and Technology Advice -- Priority Setting Within NIH/ADAMHA -- Office of the Director -- Institute Planning -- FEDERAL BUDGET PROCESS. Presidential Budget Development -- Agency Budget Requests -- Office of Management and Budget -- Congressional Budget Process -- Authorizing Committees -- Budget Committees -- Appropriations Committees -- Adjusting Allocations -- Problems Identified by Congress -- SUMMARY AND CONCLUSIONS -- REFERENCES -- 4 Supporting Research Through NIH and ADAMHA -- ALLOCATIONS FOR NIH AND ADAMHA -- NIH DIRECT OPERATIONS -- Intramural Research -- NIH Extramural Programs: R&D Grants -- SETTING PROGRAM PRIORITIES THROUGH PEER REVIEW -- Priority Scores -- Award Rates -- National Advisory Councils -- Trends in Grant Size -- RESEARCH SCIENTIST TRENDS -- Applicant Trends -- Investigator Turnover -- Multiple Awards -- R&D CONTRACTS -- R&D CENTERS -- RESEARCH ADMINISTRATION -- Grants Management-The Florida Demonstration Project -- Biomedical Research Support Grants -- INCREASING COSTS OF ANIMAL USE -- INDIRECT COST RECOVERY -- SUMMARY AND CONCLUSIONS -- REFERENCES -- 5 Nurturing Scientific Talent -- PROBLEMS IN THE HUMAN RESOURCE BASE -- Precollege -- Undergraduate -- Scientific Doctorates (Ph.D.s) -- Professional Doctorates (M.D.s and M.D./Ph.D.s) -- From Degree to Scientist -- PROBLEMS WITH THE FINANCIAL SUPPORT BASE -- Other Support Mechanisms -- SUMMARY AND CONCLUSIONS -- REFERENCES -- 6 Restoring the Physical Infrastructure for Health Sciences Research -- ADEQUACY AND SUITABILITY OF RESEARCH SPACE -- Construction and Renovation Investment -- ADEQUACY AND SUITABILITY OF RESEARCH EQUIPMENT -- SOURCES OF SUPPORT FOR FACILITIES AND EQUIPMENT -- State and Local Government -- Federal Grant Programs -- Indirect Cost Recovery -- Debt Financing -- Institutional Funds -- Foundations and Voluntary Health Agencies -- Industrial Participation -- SUMMARY AND CONCLUSIONS -- REFERENCES -- 7 Policy Overview and Recommendations. SUPPORT FOR HEALTH SCIENCES RESEARCH -- Patterns and Policies of Federal Health Sciences Support -- Research Community Perceptions -- A Brief Review of Past Policy Decisions for Resource Allocation -- The First 20 Years: Balanced Growth in Research Support -- Constrained Growth and Instability in the 1970s -- Further Constraints and Crises in the 1980s -- Peer Review Process and Allocation Policy -- Conclusions on Research Funding -- Support for Training -- Support for Equipment and Facilities -- TOWARD A POSITIVE RESEARCH ENVIRONMENT -- General Research Funding Guideline -- TALENT RENEWAL -- IMPROVING THE RESEARCH PROJECT GRANTS SYSTEM -- RESTORING THE PHYSICAL INFRASTRUCTURE -- ESTABLISHING AN ONGOING PROCESS FOR RESEARCH PROGRAM MANAGEMENT AND OVERSIGHT -- SCIENTIST RESPONSIBILITIES -- A CALL TO ACTION -- REFERENCES --

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