1. Record Nr. UNINA9910456243303321 Autore Staff National Academy of Sciences **Titolo** Responsible Science Vol. I [[electronic resource]]: The Ensuring Integrity of the Research Process Washington,: National Academies Press, 1992 Pubbl/distr/stampa **ISBN** 1-280-21157-1 9786610211579 0-309-58451-5 Descrizione fisica 1 online resource (223 p.) Altri autori (Persone) StaffInstitute of Medicine StaffNational Research Council 174 Disciplina Soggetti Electronic books. -- local Research -- Moral and ethical aspects Responsibility Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. ""Responsible Science""; ""Copyright""; ""Preface"" Nota di contenuto ""Acknowledgments""; ""Sponsors""; ""Contents""; ""Executive Summary""; ""INTRODUCTION""; ""The Problem of Misconduct in Science""; ""Acting to Ensure Integrity in Research""; ""PURPOSE AND SCOPE OF THIS STUDY""; ""Charge to the Panel""; ""Approach, Scope, and Audience""; ""Defining Termsa€?Articulating a Framework for Fostering Responsible Research Conduct""; ""Misconduct in Science""; ""Questionable Research Practices""; ""Other Misconduct""; ""FINDINGS AND CONCLUSIONS""; ""Scientists and Research Institutions"" ""The Changing Research Enterprise"""Misconduct in Sciencea€? Incidence and Significance""; ""Handling Allegations of Misconduct in Sciencea€?Institutional Responses and Experience"": ""University-Government Approaches""; ""Need for Explicit Procedural Elements""; ""Current Situation""; ""Balancing Accountability and the Need for Intellectual Freedom""; ""Steps to Encourage Responsible Research

Practices""; ""RECOMMENDATIONS""; ""Acting to Define and Strengthen

Basic Principles and Practices""; ""Recommendation One"";

```
""Recommendation Two""; ""Recommendation Three""
""Dealing with Misconducta€?Institutional Roles"""Recommendation
Four""; ""Recommendation Five""; ""Recommendation Six"";
""Recommendation Seven""; ""Recommendation Eight"";
""Recommendation Nine""; ""Taking Additional Steps"";
""Recommendation Ten""; ""Recommendation Eleven"";
""Recommendation Twelve""; ""NOTES""; ""1 Introduction ""; ""THE U.S.
RESEARCH ENTERPRISE""; ""The Traditions of Science""; ""Changing
Circumstances and Expectations""; ""The Problem of Misconduct in
Science""; ""ENSURING INTEGRITY IN THE RESEARCH PROCESS"";
""Acknowledging the Range of Concerns""
""Taking Constructive Action"""PURPOSE AND SCOPE OF THIS STUDY"";
""Charge to the Panel""; ""Approach, Audience, Content""; ""METHODS,
DEFINITIONS, AND BASIC ASSUMPTIONS"; ""Evaluating Available Data"";
""Defining Termsa€?Articulating a Framework for Fostering Responsible
Research Conduct""; ""Misconduct in Science""; ""Questionable Research
Practices""; ""Other Misconduct""; ""Understanding Causes and
Evaluating Cures""; ""Starting from Logical Assumptions""; ""NOTES"";
""2 Scientific Principles and Research Practices ""; ""FACTORS
AFFECTING THE DEVELOPMENT OF RESEARCH PRACTICES""
""Norms of Science"""Individual Scientific Disciplines""; ""The Role of
Individual Scientists and Research Teams""; ""Institutional Policies"";
""Government Regulations and Policies"": ""Social Attitudes and
Expectations""; ""RESEARCH PRACTICES""; ""Data Handling"";
""Acquisition and Management""; ""Storage""; ""Issues Related to
Advances in Information Technology""; ""Communication and
Publication""; ""Authorship""; ""Editors""; ""Peer Review""; ""Correction of
Errors""; ""Research Training and Mentorship""; ""Positive Aspects of
Mentorship"": ""Difficulties Associated with Mentorship""
""Making Mentorship Better""
```