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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1: Research Integrity as a System Characteristic: Coordinated, Harmonized, with Incentives/Compliance in Alignment -- Chapter 2: Blind Spots in Research Integrity Policy: How to Identify and Resolve Them -- Chapter 3: Evidence-Based Research Integrity Policy -- Chapter 4: Responsible Conduct of Research (RCR) Instruction Supporting Research Integrity -- Chapter 5: Emerging, Evolving Self-Regulation by the Scientific Community -- Chapter 6: Conflict of Interest and Commitment and Research Integrity -- Chapter 7: Institutional Responsibilities for Research Integrity -- Chapter 8: Science Evaluation: Peer Review, Bibliometrics, Research Impact Assessment -- Chapter 9: Research Integrity in Emerging Technologies: Gene Editing, Artificial Intelligence (AI) Research in Medicine -- Chapter 10: Research Integrity as Moral Reform: Constitutional Recalibration -- Appendix: Cases.
Sommario/riassunto	This book exposes significant threats to research integrity and

identifies policies and practices that can reverse these trends. It is focused on human research and US policy. Recent assessments have shown inadequacies in institutions, policies, and practices that seriously compromise ethics. The presumed self-regulatory nature of the scientific endeavor has been exposed to have allowed unabated areas of poor-quality science, an incomplete and inaccessible scientific record, conflicts of interest, differing notions of accountability, virtually no evidence base to direct research integrity policy, and a growing sense of alienation, moral injury and even revolt among scientists. Reconstructing Research Integrity aims to capture ways of vigorously moving toward scientific and ethical rigor, including self-correction and emerging or already-successful initiatives. The book begins with analysis of the full system of institutions, policies, and practices involved in production, dissemination, and application of research, including an examination of the blind spots in research ethics ideology, policy, and practice. The book then identifies policies and practices that can reverse harmful ethical trends, such as strengthening Responsible Conduct of Research (RCR) training and improving self-regulation in the scientific community. Finally, the book discusses the constant evolution of research ethics and integrity, which is illustrated by emerging research fields like gene editing and data science. This book will be of interest to all research administrators in academic, commercial and government positions; to policy advisors at the National Science Foundation and at the National Academies of Science, Engineering, and Medicine; to graduate students in research ethics; to advanced bioethics education programs across the globe; and to researchers and consultants in ELSI (ethical, legal, and social implications) programs.