

1. Record Nr.	UNINA9910817010003321
Autore	Stewart C. Neal
Titolo	Research ethics for scientists [[electronic resource] ] : a companion for students / / C. Neal Stewart Jr
Pubbl/distr/stampa	Chichester, West Sussex, UK ; ; Hoboken, NJ, : Wiley-Blackwell, 2011
ISBN	1-119-97986-2 1-283-27982-7 9786613279828 1-119-97887-4 1-119-97886-6
Descrizione fisica	1 online resource (226 p.)
Disciplina	174/.95
Soggetti	Research - Moral and ethical aspects Scientists - Professional ethics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Research Ethicsfor Scientists; Contents; Preface; Acknowledgements and Dedication; Chapter 1 Research Ethics: The Best Ethical Practices Produce the Best Science; Judge yourself; Morality vs ethics; Inauspicious beginnings; How science works; Summary; Judge yourself redux; Chapter 2 How Corrupt is Science?; Judge yourself; "Scientists behaving badly"; Do scientists behave worse with experience?; Judge yourself; Crime and punishment; Judge yourself; Judge yourself redux; Judge yourself redux; Judge yourself redux; Summary; Chapter 3 Plagiarise and Perish; Ideas; Sentences; Phrases A hoppy exampleWhat is plagiarism, really?; Judge yourself; How many consecutive identical and uncited words constitute plagiarism?; Self-plagiarism and recycling; Judge yourself; Judge yourself; Tools to discover plagiarism; Self-plagiarism and ethics revisited; Judge yourself; Is plagiarism getting worse?; The case of the plagiarising graduate student; Judge yourself redux; Judge yourself redux; Judge yourself redux; Summary; Chapter 4 Finding the Perfect Mentor; Caveat; Choosing a mentor; Judge yourself; Choosing a graduate project; Judge yourself; Mentors for assistant professors

How to train your mentor  
Choosing the right research project: the new graduate student's dilemma; Judge yourself redux; Judge yourself redux; Summary; Chapter 5 Becoming the Perfect Mentor; Grants and contracts are a prerequisite to productive science; Judge yourself; Publications are the fruit of research; On a personal level; Judge yourself; Common and predictable mistakes scientist make at key stages in their training and careers and how being a good mentor can make improvements; Questions; Judge yourself redux; Judge yourself redux; Summary; Chapter 6 Research Misconduct: Fabricating Data Why cheat? Judge yourself; The case of Jan Hendrick Schon, "Plastic Fantastic"; The case of Woo-Suk Hwang: dog cloner, data fabricator; Judge yourself; Detection of image and data misrepresentation; Judge yourself; Neither here nor there - the curious case of Homme Hellinga; Judge yourself; Lessons learnt; Judge yourself redux; Judge yourself redux; Judge yourself redux; Summary; Chapter 7 Research Misconduct: Falsification and Whistleblowing; A "can of worms" indeed: the case of Elizabeth "Betsy" Goodwin; Judge yourself; Judge yourself; Judge yourself; Judge yourself  
Deal with ethical quandaries informally if possible Judge yourself; Cultivating a culture of openness, integrity, and accountability; Judge yourself redux; Summary; Chapter 8 Authorship: Who's an Author on a Scientific Paper and Why; The importance of the scientific publication; Judge yourself; Who should be listed as an author on a scientific paper?; Judge yourself; How to avoid author quandaries; Authorship for works other than research papers  
The difference between authorship on scientific papers and inventorship on patents

---

## Sommario/riassunto

Research Ethics for Scientists is about best practices in all the major areas of research management and practice that are common to scientific researchers, especially those in academia. Aimed towards the younger scientist, the book critically examines the key areas that continue to plague even experienced and well-meaning science professionals. For ease of use, the book is arranged in functional themes and units that every scientist recognizes as crucial for sustained success in science; ideas, people, data, publications and funding. These key themes will help to highlight the elemen

---