Record Nr. UNINA9910140295403321 On the dual uses of science and ethics: principles, practices, and **Titolo** prospects / / edited by Brian Rappert and Michael J. Selgelid Pubbl/distr/stampa Canberra:,: ANU E Press,, [2013] ©2013 **ISBN** 1-925021-34-3 Descrizione fisica 1 online resource (410 pages): illustrations Collana Practical ethics and public policy;; monograph 4 Soggetti Science - Moral and ethical aspects Science and the humanities Science and civilization - Moral and ethical aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Preliminary pages; Contributors; Acknowledgments; Abbreviations; Nota di contenuto Introduction; 1. Ethics and Dual-Use Research; Part I: Dual Use in Context; 2. Nanotechnology and Dual-Use Dilemmas; 3. What Does Neuroethics Have to Say about the Problem of Dual Use?; 4. Synthetic Biology as a Field of Dual-Use Bioethical Concern: 5. Crops Agents. Phytopathology and Ethical Review; 6. The Super TB Experiment: Evolution an Experiment with Dual-Use Concerns; Part II: Ethical Frameworks and Principles: 7. Moral Development and Ethical Decision-Making: 8. Responsible Dual Use 9. An Expected-Value Approach to the Dual-Use Problem10. The Doctrine of Double Effect and the Ethics of Dual Use; 11. Unknowns in Dual-Use Dilemmas; 12. Moral Responsibility, Collective-Action Problems and the Dual-Use Dilemma in Science and Technology; 13. Biosecurity and the Just-War Tradition; 14. The Precautionary Principle and the Dual-Use Dilemma; Part III: Ethical Practices; 15. Scientific Control Over Dual-Use Research:; 16. Contrasting Dual-Use Issues in Biology and Nuclear Science; 17. Considering Contextuality in Dual-Use Discussions:; Part IV: Ethical Futures