Record Nr. UNINA9910971984103321 Implications of nanotechnology for environmental health research / / **Titolo** Lynn Goldman and Christine Coussens, Editors Pubbl/distr/stampa Washington, D.C., : National Academies Press, 2005 **ISBN** 9786610173600 9780309181907 0309181909 9781280173608 1280173602 9780309548359 0309548357 Edizione [1st ed.] Descrizione fisica 1 online resource (70 p.) Altri autori (Persone) GoldmanLynn CoussensChristine Disciplina 610.28 Soggetti Nanotechnology - Environmental aspects Nanotechnology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references. Nota di contenuto FrontMatter -- Preface -- Contents -- Summary -- 1 Preparing for Nanotechnology: Health, Policy, and Emerging Issues -- 2 The Promise of Nanotechnology -- 3 Nanotechnology: Expanding Scientific Understanding -- 4 Nanotechnology: Government Involvement -- 5 Next Steps -- References -- Appendixes -- Appendix A Workshop Agenda -- Appendix B Speakers and Panelists -- Appendix C Workshop Participants. Nanotechnology is often described as an emerging technology - one Sommario/riassunto that not only holds promise for society, but also is capable of revolutionizing our approaches to common problems. Nanotechnology is not a completely new field; however, it is only recently that discoveries in this field have advanced so far as to warrant examination of their impact upon the world around us. Nanotechnology has direct

beneficial applications for medicine and the environment, but like all

technologies it may have unintended effects that can adversely impact the environment, both within the human body and within the natural ecosystem. How does the science move forward in a way that best protects the public and gets health and safety right the first time? Implications of Nanotechnology for Environmental Health Research identifies the areas in which additional research is needed and the processes by which changes can occur.