1. Record Nr. UNINA9910465412103321 Strategic plan for NIOSH nanotechnology research and guidance **Titolo** [[electronic resource] /] / Martin W. Lang, editor Pubbl/distr/stampa New York,: Nova Science, c2009 **ISBN** 1-61761-824-1 Descrizione fisica 1 online resource (153 p.) Collana Nanotechnology science and technology series Altri autori (Persone) LangMartin W Disciplina 363.1196205 Soggetti Nanotechnology - Health aspects - Research High technology Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. ""STRATEGIC PLAN FOR NIOSH NANOTECHNOLOGY RESEARCH AND Nota di contenuto GUIDANCE""; ""STRATEGIC PLAN FOR NIOSH NANOTECHNOLOGY RESEARCH AND GUIDANCE""; ""CONTENTS ""; ""PREFACE\* ""; ""DIRECTORa€?S MESSAGE ""; ""EXECUTIVE SUMMARY ""; ""NANOTECHNOLOGY AND NIOSH RESEARCH "": ""NIOSH NANOTECHNOLOGY RESEARCH CENTER (NTRC)""; ""Vision of the NTRC ""; ""Mission of the NTRC ""; ""THE STRATEGIC PLAN FOR NIOSH NANOTECHNOLOGY RESEARCH AND GUIDANCE ""; ""GOALS FOR NIOSH NANOTECHNOLOGY RESEARCH AND GUIDANCE ""; ""INTRODUCTION ""; ""1.1. BACKGROUND "": ""1.2. NIOSH LOGIC MODEL "": ""INPUTS "" ""2.1. CONGRESSIONAL MANDATE """"2.2. STAKEHOLDERSa€? INPUT""; ""2.3. NIOSH RESEARCH CAPABILITIES ""; ""2.4. NIOSH PARTNERSHIPS ""; ""ACTIVITIES ""; ""3.1. NIOSH NANOTECHNOLOGY RESEARCH CENTER (NTRC) ""; ""Vision of the NTRC ""; ""Mission of the NTRC ""; ""3.2. NTRC STEERING COMMITTEE ""; ""3.3. CURRENT NIOSH INTRAMURAL NANOTECHNOLOGY RESEARCH ACTIVITIES "": ""3.4. CURRENT NIOSH EXTRAMURAL NANOTECHNOLOGY RESEARCH ACTIVITIES "": ""3.5. COLLABORATIVE WORKSHOPS ""; ""GOALS ""; ""4.1. RISK MANAGEMENT PROCESS""; ""4.2. 10 CRITICAL RESEARCH AREAS""

""4.3. INTERMEDIATE GOALS AND PERFORMANCE MEASURES """"4.3.1.

Exposure Assessment ""; ""4.3.2. Toxicity and Internal Dose ""; ""4.3.3. Epidemiology and Surveillance ""; ""4.3.4. Risk Assessment ""; ""4.3.5.

Measurement Methods ""; ""4.3.6. Engineering Controls and Personal Protective Equipment (PPE) "": ""4.3.7. Fire and Explosion Safety "": ""4.3.8. Recommendations and Guidance ""; ""4.3.9. Communication and Information""; ""4.3.10. Applications for Occupational Safety and Health ""; ""4.4. INTERNATIONAL ACTIVITIES ""; ""OUTPUTS""; ""5.1. NIOSH PUBLICATIONS ON NANOTECHNOLOGY"" ""5.2. NIOSH PEER-REVIEWED PUBLICATIONS"""5.3. SPONSORED CONFERENCES ""; ""5.4. PRESENTATIONS ""; ""RESEARCH TO PRACTICE (R2P) ""; ""6.1. CAPACITY BUILDING THROUGH TECHNICAL ASSISTANCE ""; ""INTERMEDIATE CUSTOMERS AND INTERMEDIATE OUTCOMES""; ""7.1. FEDERAL GOVERNMENT AGENCIES ""; ""7.2. STANDARDS DEVELOPMENT ORGANIZATIONS"": ""7.3. INDUSTRY, LABOR, AND ACADEMIA ""; ""7.4. PROFESSIONAL ORGANIZATIONS ""; ""7.5. RESEARCH COLLABORATIONS""; ""OUTCOMES ""; ""APPENDIX A "" ""APPENDIX B NIOSH POSITION STATEMENT ON NANOTECHNOLOGY a€? ADVANCING RESEARCH ON OCCUPATIONAL HEALTH IMPLICATIONS AND APPLICATIONS """APPENDIX C INTRAMURAL NANOTECHNOLOGY RESEARCH PROJECTS ""; ""GENERATION AND CHARACTERIZATION OF OCCUPATIONALLY RELEVANT AIRBORNE NANOPARTICLES ""; ""PULMONARY TOXICITY OF CARBON NANOTUBE PARTICLES "": ""ROLE OF CARBON NANOTUBES IN CARDIOPULMONARY INFLAMMATION AND COPD-RELATED DISEASES ""; ""PARTICLE SURFACE AREA AS A DOSE METRIC ""; ""ULTRAFINE AEROSOLS FROM DIESEL-POWERED EQUIPMENT ""; ""NANOTECHNOLOGY SAFETY AND HEALTH RESEARCH COORDINATION ""

""NANOPARTICLES: DOSIMETRY AND RISK ASSESSMENT ""