Record Nr. UNINA9910816804903321 The Oxford handbook of neuroethics / / edited by Judy Illes and **Titolo** Barbara J. Sahakian Pubbl/distr/stampa Oxford,: Oxford University Press, 2011 **ISBN** 0-19-174394-1 0-19-162216-8 Edizione [1st ed.] Descrizione fisica 1 online resource (xxxix, 935 p.) : ill Collana Oxford library of psychology Altri autori (Persone) IllesJudy SahakianB. J Disciplina 174.2968 Soggetti Brain - Research - Moral and ethical aspects Cognitive neuroscience - Moral and ethical aspects 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 and index. Nota di contenuto Cover Page -- Title Page -- Copyright Page -- FOREWORD BRIDGING NEUROSCIENCE AND SOCIETY: RESEARCH, EDUCATION, AND BROAD PUBLIC ENGAGEMENT -- INTRODUCTION -- A BROAD SOCIETAL CONTEXT -- SOURCES OF SCIENCE-SOCIETY TENSION --NEUROSCIENCE-SOCIETY TENSION POINTS -- THE DISORDERED MIND: MENTAL ILLNESS AND ADDICTION -- ANTICIPATING NEUROSCIENCE-SOCIETY TENSION -- THE PUBLIC ENGAGEMENT APPROACH --PRINCIPLES OF PUBLIC ENGAGEMENT -- CONCLUDING COMMENTS --REFERENCES -- PREFACE -- ACKNOWLEDGMENTS -- CONTENTS --NOTES ON THE CONTRIBUTORS -- LIST OF ABBREVIATIONS -- PART I CONSCIOUSNESS AND INTENTION: DECODING MENTAL STATES AND DECISION MAKING -- CHAPTER 1 BRAIN READING: DECODING MENTAL

STATES FROM BRAIN ACTIVITY IN HUMANS -- CHAPTER 2 THE NEUROBIOLOGY OF PLEASURE AND HAPPINESS -- CHAPTER 3 THE NEUROBIOLOGICAL BASIS OF MORALITY -- CHAPTER 4 DEVELOPMENT OF THE ADOLESCENT BRAIN: NEUROETHICAL IMPLICATIONS FOR THE UNDERSTANDING OF EXECUTIVE FUNCTION AND SOCIAL COGNITION -- CHAPTER 5 NEURAL FOUNDATIONS TO CONSCIOUS AND VOLITIONAL CONTROL OF EMOTIONAL BEHAVIOR: A MENTALISTIC PERSPECTIVE --

CHAPTER 6 NEURAL CORRELATES OF DECEPTION -- CHAPTER 7 UNDERSTANDING DISORDERS OF CONSCIOUSNESS -- CHAPTER 8

FUNCTIONAL MAGNETIC RESONANCE IMAGING, COVERT AWARENESS. AND BRAIN INJURY -- PART II RESPONSIBILITY AND DETERMINISM --CHAPTER 9 GENETIC DETERMINISM, NEURONAL DETERMINISM, AND DETERMINISM TOUT COURT -- CHAPTER 10 THE RISE OF NEUROESSENTIALISM -- CHAPTER 11 A NEUROSCIENTIFIC APPROACH TO ADDICTION: ETHICAL CONCERNS -- CHAPTER 12 THE NEUROBIOLOGY OF ADDICTION: IMPLICATIONS FOR VOLUNTARY CONTROL OF BEHAVIOR -- CHAPTER 13 NEUROETHICS OF FREE WILL --PART III MIND AND BODY -- CHAPTER 14 PHARMACEUTICAL COGNITIVE ENHANCEMENT -- CHAPTER 15 COGNITIVE ENHANCEMENT. CHAPTER 16 CHEMICAL COGNITIVE ENHANCEMENT: IS IT UNFAIR, UNJUST, DISCRIMINATORY, OR CHEATING FOR HEALTHY ADULTS TO USE SMART DRUGS? -- CHAPTER 17 COGNITIVE ENHANCEMENT IN COURTS -- CHAPTER 18 NEUROETHICS AND THE EXTENDED MIND --CHAPTER 19 DOES COGNITIVE ENHANCEMENT FIT WITH THE PHYSIOLOGY OF OUR COGNITION? -- CHAPTER 20 ATTENTION DEFICIT HYPERACTIVITY DISORDER: DEFINING A SPECTRUM DISORDER AND CONSIDERING NEUROETHICAL IMPLICATIONS -- PART IV NEURO-TECHNOLOGY -- CHAPTER 21 WHY NEUROETHICISTS ARE NEEDED --CHAPTER 22 INTERSECTING COMPLEXITIES IN NEUROIMAGING AND NEUROETHICS -- CHAPTER 23 PEDIATRIC NEUROIMAGING RESEARCH --CHAPTER 24 ETHICAL ISSUES IN FUNCTIONAL NEUROSURGERY: EMERGING APPLICATIONS AND CONTROVERSIES -- CHAPTER 25 NON-INVASIVE BRAIN STIMULATION AS A THERAPEUTIC AND INVESTIGATIVE TOOL: AN ETHICAL APPRAISAL -- CHAPTER 26 DEEP BRAIN STIMULATION FOR TREATMENT-RESISTANT NEUROPSYCHIATRIC DISORDERS -- CHAPTER 27 THE ETHICAL ISSUES OF TRIALS OF NEURAL GRAFTING IN PATIENTS WITH NEURODEGENERATIVE CONDITIONS --CHAPTER 28 THE ETHICS OF NANO/NEURO CONVERGENCE -- PART V AGING AND DEMENTIA -- CHAPTER 29 NEUROBIOLOGICAL AND NEUROETHICAL PERSPECTIVES ON THE CONTRIBUTION OF FUNCTIONAL NEUROIMAGING TO THE STUDY OF AGING IN THE BRAIN -- CHAPTER 30 CLINICAL RESEARCH ON CONDITIONS AFFECTING COGNITIVE CAPACITY -- CHAPTER 31 ETHICAL CONCERNS AND PITFALLS IN NEUROGENETIC TESTING -- CHAPTER 32 NEUROETHICAL ISSUES IN EARLY DETECTION OF ALZHEIMER'S DISEASE -- CHAPTER 33 THE NEUROETHICS OF COGNITIVE RESERVE -- CHAPTER 34 ETHICAL ISSUES IN THE MANAGEMENT OF PARKINSON'S DISEASE -- CHAPTER 35 THE OTHER ETHICAL CHALLENGE OF NEURODEGENERATIVE DISEASES -- CHAPTER 36 FUTURE SCOPING: ETHICAL ISSUES IN AGING AND DEMENTIA --PART VI LAW AND PUBLIC POLICY. CHAPTER 37 INCIDENTAL FINDINGS IN NEUROSCIENCE RESEARCH: A

FUNDAMENTAL CHALLENGE TO THE STRUCTURE OF BIOETHICS AND HEALTH LAW -- CHAPTER 38 WHAT WILL BE THE LIMITS OF NEUROSCIENCE-BASED MINDREADING IN THE LAW? -- CHAPTER 39 FOR THE LAW, NEUROSCIENCE CHANGES NOTHING AND EVERYTHING --CHAPTER 40 NEW DIRECTIONS IN NEUROSCIENCE POLICY -- CHAPTER 41 WOMEN'S NEUROETHICS -- CHAPTER 42 PUBLIC REPRESENTATIONS OF NEUROGENETICS -- CHAPTER 43 BRAIN TRUST: NEUROSCIENCE AND NATIONAL SECURITY IN THE 21ST CENTURY -- PART VII SCIENCE. SOCIETY, AND INTERNATIONAL PERSPECTIVES -- CHAPTER 44 NEUROPLASTICITY, CULTURE, AND SOCIETY -- CHAPTER 45 NEUROSCIENCE AND NEUROETHICS IN THE 21ST CENTURY -- CHAPTER 46 NEUROSCIENCE AND THE MEDIA: ETHICAL CHALLENGES AND OPPORTUNITIES -- CHAPTER 47 ETHICAL ISSUES IN EDUCATIONAL NEUROSCIENCE: RAISING CHILDREN IN A BRAVE NEW WORLD --CHAPTER 48 FROM THE INTERNATIONALIZATION TO THE GLOBALIZATION OF NEUROETHICS: SOME PERSPECTIVES AND

CHALLENGES -- CHAPTER 49 GLOBAL HEALTH ETHICS -- CHAPTER 50 ETHICAL PERSPECTIVES: CLINICAL DRUG TRIALS IN DEVELOPING COUNTRIES -- CHAPTER 51 LEARNING ABOUT NEUROETHICS THROUGH HEALTH SCIENCES ONLINE: A MODEL FOR GLOBAL DISSEMINATION -- EPILOGUE -- CHAPTER 52 NEUROETHICS AND THE LURE OF TECHNOLOGY -- SUBJECT INDEX -- AUTHOR INDEX -- PLATES -- Footnote -- Ch17_Fn-01 -- Ch17_Fn-02 -- Ch19_Fn-01 -- Ch19_Fn-02 -- Ch19_Fn-03 -- Ch19_Fn-04 -- Ch39_Fn-01 -- Ch39_Fn-02 -- Ch39_Fn-03 -- Ch39_Fn-04 -- Ch39_Fn-05 -- Ch39_Fn-06 -- Ch40_Fn-01 -- Ch40_Fn-02 -- Ch43_Fn-01 -- Ch43_Fn-02 -- Ch47_Fn-01 -- Ch47_Fn-03 -- Ch47_Fn-04.

Sommario/riassunto

This handbook presents a pioneering review of a topic central to the sciences and humanities. It presents a range of chapters considering key issues, discussion, and debate at the intersection of brain and ethics.