1. Record Nr. UNINA9910811199603321 Autore Adinoff Bryon Titolo Neuroimaging in addiction / / Bryon Adinoff and Elliot Stein Chichester, West Sussex, : John Wiley & Sons, 2011 Pubbl/distr/stampa **ISBN** 1-283-33323-6 9786613333230 1-119-97270-1 1-119-99893-X 1-119-99846-8 Edizione [1st ed.] 1 online resource (373 p.) Descrizione fisica Altri autori (Persone) SteinElliot 616.8/047572 Disciplina Brain - Effect of drugs on Soggetti Brain - Radiography Compulsive behavior - Magnetic resonance imaging 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 Neuroimagingin Addiction; Contents; Foreword; List of Contributors; 1 Introduction: 2 An Integrated Framework for Human Neuroimaging Studies of Addiction from a Preclinical Perspective; 2.1 Introduction; 2.2 A Conceptual Framework for Understanding Drug Addiction Based on Preclinical Observations; 2.3 Neuropharmacological Considerations; 2.4 Neuropathology of Chronic Drug Abuse; 2.5 Impulsivity: An Endophenotype for Drug Addiction; 2.6 Compulsivity: Craving versus Drug-Seeking; 2.7 Summary; References 3 Structural and Functional Neuroimaging Methods: Applications to Substance Abuse and Addiction3.1 Introduction; 3.2 MRI Based Imaging Tools and their Application to Drug Abuse Research; 3.3 Molecular Imaging with PET and SPECT; 3.4 Summary and Peek into the Future; References; 4 Functional Neuroimaging of the Acute Effects of Drugs of Abuse: 4.1 Introduction: 4.2 Fundamental Neuronal Systems Related to Abuse Liability in Humans; 4.3 Psychostimulants; 4.4 Alcohol; 4.5 Cannabis and the Cannabinoids; 4.6 Opioids; 4.7 Conclusions and Future Directions; References; 5 Reward Processing

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## Sommario/riassunto

Neuroimaging in Addiction presents an up-to-date, comprehensive review of the functional and structural imaging human studies that have greatly advanced our understanding of this complex disorder. Approaching addiction from a conceptual rather than a substance-specific perspective, this book integrates broad neuropsychological constructs that consider addiction as a neuroplastic process with genetic, developmental, and substance-induced contributions. The internationally recognized contributors to this volume are leaders in clinical imaging with expertise that spans the addiction spec