

Recent Advances in the Biology of Alcoholism

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Recent Advances In The Biology Of Alcoholism

Charles S. Lieber, Barry Stimmel



Recent Advances In The Biology Of Alcoholism:

Recent Advances in the Biology of Alcoholism Charles S. Lieber, Barry Stimmel, 1982 This valuable book written by eminent researchers focuses on the exciting developments in the field of alcohol metabolism and alcohol endocrine interactions They contribute significantly to our understanding of the metabolism of ethanol and its effects on the body with comprehensive chapters on the heterogeneity of aldehyde dehydrogenase alcohol drug interactions the pathogenesis of alcoholic liver disease and more

The Biology of Alcoholism Henri Begleiter, 2012-12-06 The previous volume *The Pathogenesis of Alcoholism Psychosocial Factors* attempted to describe the interaction of biological psychological and social factors that lead to the initiation and perpetuation of alcoholism The preface to that volume presented our particular view of the bio psycho social interaction as a progressive process in which earlier developments produce new pathogenetic mechanisms which in turn lead to still other cyclical feedback activities Although influences from each of the three phenomenologic levels are at work during each stage of the clinical course it would appear that social factors are most significant in the early phase psychological factors at the intermediate level and biological ones toward the end These differences are only relative however for influences of all three types surely are operative during all stages of the syndrome This appears to be particularly true for the biological parameters of activity Don Goodwin 1976 who has supplied much of the data that support the role of hereditary factors in alcoholism is wont to say that all living behavior is biological by definition The operational evidence for this is perhaps more evident in alcoholism than in other syndromes For example the general social indifference of many Asians to alcohol may reflect the presence of an atypical isoenzyme of alcohol dehydrogenase rather than some independently derived cultural norm

The Genetics of Alcoholism Henri Begleiter, Benjamin Kissin, 1995 This volume provides an in depth look at the genetic influences that contribute to the development of alcoholism Part I Epidemiologic Studies contains five chapters that examine the various approaches employed in the study of the genetics of alcoholism It provides a historical perspective and details all the essentials of this subject Part II Selective Breeding Studies highlights the results of research involving the selective breeding of rodents This type of research has produced homogenous strains exhibiting specific behavioral responses considered significant in the development and maintenance of alcohol dependence The studies presented in Part III Phenotypic Studies investigate and analyze phenotypic markers that serve as correlates to the genotypic determinants of alcoholism Through its broad scope this volume provides for the first time a panoramic view of the knowledge available on the hereditary influences of alcoholism

Recent Developments in Alcoholism Marc Galanter, 2013-11-21 From the President of the American Society of Addiction Medicine *Recent Developments in Alcoholism* Volume 10 is a major contribution to the literature of addiction medicine This volume reviews alcohol and Cocaine Similarities and Differences contains an impressive collection of chapters from the basic research epidemiological and clinical research perspectives as well as articles that address the relative policy issues and clinical

application and patient care concerns. It also sends a message to those who would still distinguish between alcohol and drugs or legal and illegal drugs. In the research laboratory, the intentions and behavior of the user and by the clinician, such distinctions have never been upheld. The first section, Clinical Pathology, includes chapters on the role of alcohol in cocaine dependence, dual diagnosis, empirical and developmental, humanistic approaches, and on neuroendocrine and catecholamine levels in humans during administration and withdrawal of cocaine and alcohol. Emergency room evaluation of cocaine-associated neuropsychiatric disorders and clinical and pharmacological interactions of alcohol and cocaine. These chapters, written by authors who are preeminent in their fields, offer a broad perspective to both the researcher and the clinician on relevant issues in clinical pathology.

Recent Advances in Studies of Alcoholism National Institute of Mental Health (U.S.), 1971

Recent Advances in Studies of Alcoholism Nancy K. Mello, Jack Harold Mendelson, 1971

The Surgeon General's Call to Action to Prevent and Reduce Underage Drinking U. S. Department of Health and Human Services, Office of the Surgeon General, 2012-07-23

Alcohol is the most widely used substance of abuse among America's youth. A higher percentage of young people between the ages of 12 and 20 use alcohol than use tobacco or illicit drugs. The physical consequences of underage alcohol use range from medical problems to death by alcohol poisoning, and alcohol plays a significant role in risky sexual behavior, physical and sexual assaults, various types of injuries, and suicide. Underage drinking also creates secondhand effects for others, drinkers and nondrinkers alike, including car crashes from drunk driving that put every child at risk. Underage alcohol consumption is a major societal problem with enormous health and safety consequences and will demand the Nation's attention and committed efforts to solve. For the most part, parents and other adults underestimate the number of adolescents who use alcohol. They underestimate how early drinking begins, the amount of alcohol adolescents consume, the many risks that alcohol consumption creates for adolescents, and the nature and extent of the consequences to both drinkers and nondrinkers. Too often, parents are inclined to believe, "Not my child." Yet, by age 15, approximately one-half of America's boys and girls have had a whole drink of alcohol, not just a few sips, and the highest prevalence of alcohol dependence in any age group is among people ages 18 to 20. This Surgeon General's Call to Action To Prevent and Reduce Underage Drinking was issued to focus national attention on this enduring problem and on new, disturbing research which indicates that the developing adolescent brain may be particularly susceptible to long-term negative consequences from alcohol use. Recent studies show that alcohol consumption has the potential to trigger long-term biological changes that may have detrimental effects on the developing adolescent brain, including neurocognitive impairment. Fortunately, the latest research also offers hopeful new possibilities for prevention and intervention by furthering our understanding of underage alcohol use as a developmental phenomenon, as a behavior directly related to maturational processes in adolescence. New research explains why adolescents use alcohol differently from adults, why they react uniquely to it, and why alcohol can pose such a powerful attraction to adolescents with unpredictable and potentially devastating

outcomes Emerging research also makes it clear that an adolescent's decision to use alcohol is influenced by multiple factors These factors include normal maturational changes that all adolescents experience genetic psychological and social factors specific to each adolescent and the various social and cultural environments that surround adolescents including their families schools and communities These factors some of which protect adolescents from alcohol use and some of which put them at risk change during the course of adolescence Because environmental factors play such a significant role responsibility for the prevention and reduction of underage drinking extends beyond the parents of adolescents their schools and communities The process of solving the public health problem of underage alcohol use begins with an examination of our own attitudes toward underage drinking and our recognition of the seriousness of its consequences for adolescents their families and society as a whole Adolescent alcohol use is not an acceptable rite of passage but a serious threat to adolescent development and health as the statistics related to adolescent impairment injury and death attest A significant point of the Call to Action is this Underage alcohol use is not inevitable and schools parents and other adults are not powerless to stop it The latest research demonstrates a compelling need to address alcohol use early continuously and in the context of human development using a systematic approach that spans childhood through adolescence into adulthood

The Biology of Alcoholism Benjamin Kissin, Henri Begleiter, 1974-05 Covers neurophysiological and psychological effects of alcohol on man Includes extensive bibliographies covering the literature from 1920 through 1970

Biology of the NMDA Receptor Antonius M. Van Dongen, 2008-10-29 The NMDA receptor plays a critical role in the development of the central nervous system and in adult neuroplasticity learning and memory Therefore it is not surprising that this receptor has been widely studied However despite the importance of rhythms for the sustenance of life this aspect of NMDAR function remains poorly studied Written

Current Catalog National Library of Medicine (U.S.), 1993 First multi year cumulation covers six years 1965-70

Alcoholism Maria L. Gifford, 2009-10-22 An intriguing look at the history of alcoholism and its dramatic effects from the first fermented grape to current advances in genetic research Alcoholism tells the story of a disease familiar to many yet not well understood It is the first biography of alcohol abuse that gauges its devastating effects on the body the family the economy and the community Alcoholism provides the latest understanding of the disease as a behavioral dysfunction and a biological condition Coverage includes the origins of alcohol and the discovery of alcoholism as a medical disease the biology of alcoholism and its effects on the body and current diagnostic and treatment methods for alcoholism In addition the book explores the effects on society of such alcoholism related problems as domestic abuse fetal alcohol syndrome drunk driving and suicide as well as promising new directions in alcoholism research awareness treatment and prevention

The Biology of Alcoholism Benjamin Kissin, Henri Begleiter, 2013-03-09 In this volume the third of our series the emphasis has shifted from the theoretical and experimental to the more clinical and practical aspects of alcoholism Where in the earlier volumes more attention was directed to animal than human studies in this volume almost all material

deals with the human condition The clinical manifestations of alcoholism may be divided into two major aspects that of the disease itself and that of its complications This separation is to some extent artificial since in a sense the natural history of the disease is a function of the development of certain complicating mechanisms These mechanisms in turn either become part and parcel of the underlying condition alcoholism or give rise to a new set of clinical variables characterized as medical complications At this point the dichotomy becomes real The disease alcoholism tends to be seen as a distinct psychosocial entity and to be treated with psychosocial techniques The medical complications are more clearly envisioned as being within the legitimate domain of medical practice and are treated by physicians who often tend to ignore the underlying alcoholism The patient is sometimes lost in between The major thrust of this volume is an attempt to describe the mechanisms of alcoholism as they are now known in such a way as to establish a continuum between the disease alcoholism and its medical complications

Alcohol Problems in Adolescents and Young Adults Marc Galanter, 2006-04-07 Alcohol continues to be the substance of choice for today's youth leading to serious physical psychological and social consequences Alcohol Problems in Adolescents and Young Adults ably addresses this growing trend The latest entry in the Recent Developments in Alcoholism series it comprehensively presents a wide ranging clinical picture of teen drinking epidemiology neurobiology behavioral phenomena diagnostic and assessment issues prevention and treatment data in a developmental context Fifty expert contributors display the scientific rigor practical wisdom and nuanced analysis that readers have come to expect from previous volumes Among the subjects studied in depth Initiation of alcohol use abuse Risk and protective factors for alcohol dependence High risk adolescent populations Drinking habits of college students Long range consequences of teenage drinking Family school and community based prevention programs Treatment of comorbid substance and psychiatric disorders Clinicians researchers and policy makers will find this a bedrock source of evidence based knowledge whether one's goal is choosing an age appropriate assessment tool for eighth graders preventing drinking among high school students or understanding the alcohol friendliness of campus culture Here is a critical resource for all professionals dedicated to helping youngsters grow up sober

Recent Advances in Biological Psychiatry Joseph Wortis, 2013-12-11 *Reducing Underage Drinking* Institute of Medicine, National Research Council, Division of Behavioral and Social Sciences and Education, Board on Children, Youth, and Families, Committee on Developing a Strategy to Reduce and Prevent Underage Drinking, 2004-03-26 Alcohol use by young people is extremely dangerous both to themselves and society at large Underage alcohol use is associated with traffic fatalities violence unsafe sex suicide educational failure and other problem behaviors that diminish the prospects of future success as well as health risks and the earlier teens start drinking the greater the danger Despite these serious concerns the media continues to make drinking look attractive to youth and it remains possible and even easy for teenagers to get access to alcohol Why is this dangerous behavior so pervasive What can be done to prevent it What will work and who is responsible for making sure it happens Reducing Underage Drinking addresses these

questions and proposes a new way to combat underage alcohol use It explores the ways in which may different individuals and groups contribute to the problem and how they can be enlisted to prevent it Reducing Underage Drinking will serve as both a game plan and a call to arms for anyone with an investment in youth health and safety **Alcohol and Alcoholism**

John H. Hannigan,Linda P. Spear,Norman E. Spear,Charles R. Goodlett,1999-02 Recent years have seen more systematic investigations of the consequences of prenatal and early postnatal exposure to alcohol for brain and behavioral development Offers an overview of what they have shown and points out directions for further research **Biological Basis of**

Alcoholism Yedy Israel,Jorge Mardones,1971 **Clinical Neuropsychology of Alcoholism** Robert G Knight,Barry E. Longmore,2013-06-17 Alcohol abuse is a major health problem in most parts of the world This book focuses on the way in which alcohol affects the brain with the aim of describing advances in the neuropsychology of alcoholism in a way that makes this work accessible to clinicians from a variety of backgrounds who treat people with alcohol related problems The book is divided into four parts Part One provides an introduction to the medical and neurological conditions that can result from alcoholism and to the process of neuropsychological assessment The problems involved in conducting research in this area are also considered In Part Two research that focuses directly on changes to the nervous system is surveyed This includes studies of both the short term and the chronic neurological changes in the brain caused by alcohol In Part Three studies of the neuropsychological effects of acute intoxication social drinking and alcohol abuse are described Finally in Part Four the implications of neuropsychological research for the assessment and management of patients with alcohol problems are considered The objective of this book is to collate the range of research work that is relevant to understanding how alcohol affects the brain This includes both the acute and the chronic effects at both the biological and physiological levels

Principles of Psychiatric Genetics John I. Nurnberger,Wade Berrettini,2012-09-13 A comprehensive up to date resource providing information about genetic influences on disorders of behavior *National Library of Medicine Current Catalog*
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