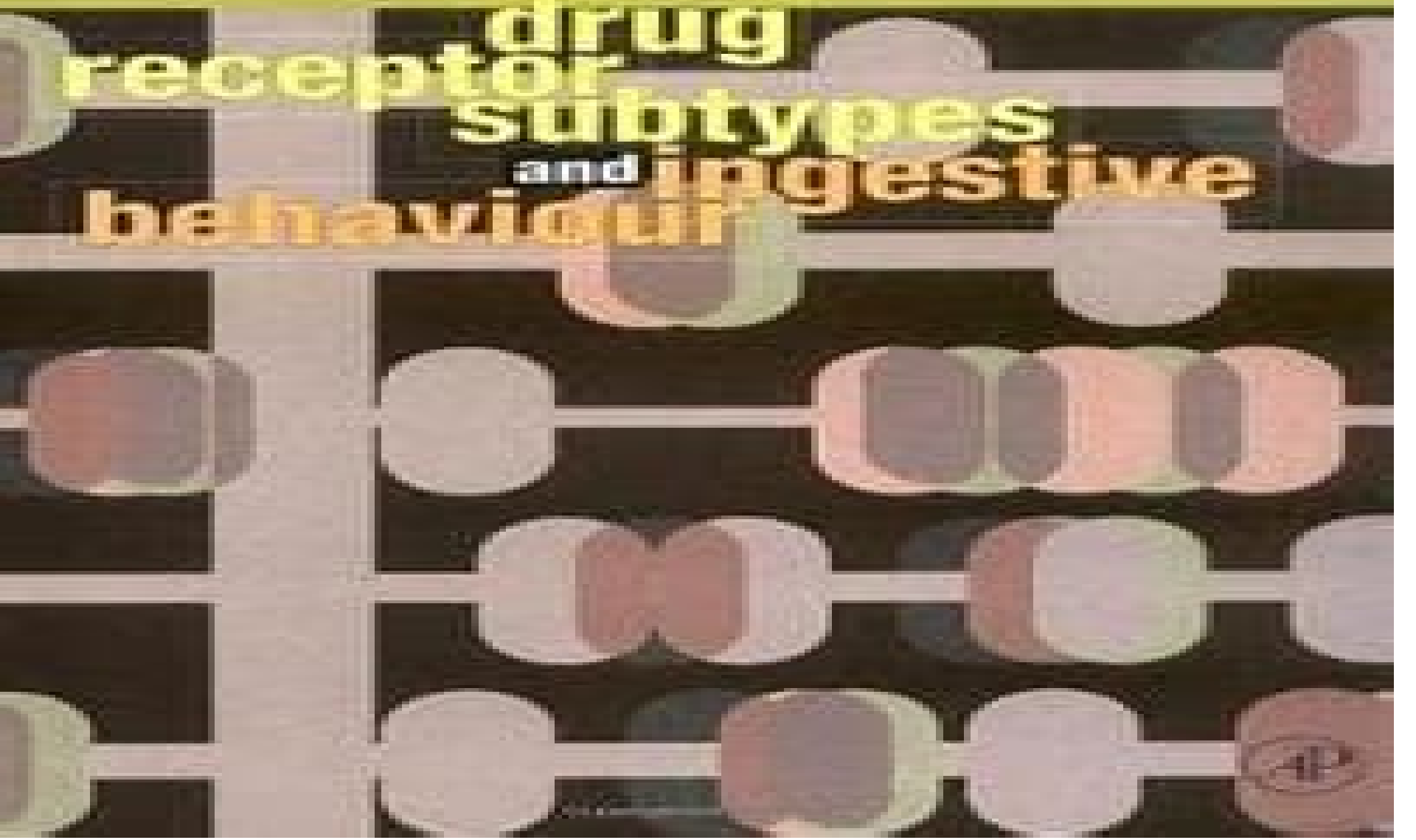


Edited by **Shireen A. Cooper** | **Praveen G. Chittur**

drug receptor subtypes and ingestive behaviour



Drug Receptor Subtypes And Ingestive Behaviour

SJ Ball



Drug Receptor Subtypes And Ingestive Behaviour:

Drug Receptor Subtypes and Ingestive Behaviour Steven J. Cooper, S. J. Cooper, Peter G. Clifton, 1996-04-03 Neural Mechanisms of ingestive behaviour has long been one of the most intensively investigated areas within neuroscience Drug studies have been introduced to develop anti obesity compounds and more recently to identify neurotransmitters which might be involved in the control of ingestive behaviour The current focus within this field is towards neurotransmitter receptors as it has become known that there are multiple receptor subtypes for each identified neurotransmitter The study of drug receptor subtypes and ingestive behaviour is growing very rapidly and has become quite complex Drug Receptor Subtypes and Ingestive Behaviour is designed to guide students and investigators through a number of different neurotransmitter systems and provide them with the latest information on the identities of receptor subtypes most relevant in the study of ingestive behaviour As such it will prove enormously useful to all engaged in studies on appetite and obesity treatment Provides up to the minute reviews of the most exciting new developments in the study of ingestive behavior Includes contributions from leading experts in the field Tackles the complex issues of relating neurochemical transmission to the neural and behavioral controls of feeding The first book of its kind to deal explicitly with drug receptor subtypes in relation to ingestive behavior

Handbook of Obesity George A. Bray, Claude Bouchard, 2003-12-09 Offering perspectives on the history prevalence and genetics of obesity this book examines the origins and etiology of obesity It considers the relationship between behavioural neuroscience and obesity

Neural and Metabolic Control of Macronutrient Intake Hans-Rudolf Berthoud, Randy J. Seeley, 1999-10-25 When an excessive proportion of the human energy requirement is derived from fat the likelihood of obesity increases Any such individual is at risk for diabetes and cardiovascular disease grave and costly health hazards The selective control of fat ingestion is a promising solution to these concerns Existing data suggests that macronutrient intake can be manipulated Further research is working to create pharmacological tools that will suppress fat consumption It will also be possible to fight obesity heart disease and diabetes

Neural and Metabolic Control of Macronutrient Intake systematically discusses the known physiological mechanisms involved in macronutrient selection including their molecular genetic and neurochemical aspects The book is also a critical review of the hypothesis that ingestion of the three nutrients is regulated by separate neural control mechanisms leaving open the possibility that strategies could be devised to intervene in bodily control systems and alter the proportion of fat in the diet This reference provides three types of information First the basic background of the biochemical and physiological systems as they relate to macronutrient selection Second opinions and data concerning to what degree animals and humans show evidence of macronutrient selection And third evidence about how the central nervous system might be involved in the choices animals make among macronutrients

The American journal of clinical nutrition ,1954 *Alcohol Research & Health* ,2002
Indian Journal of Psychiatry ,1999 **Substance Use & Misuse** ,1997 *Agmatine and Imidazolines* John E.

Piletz, Soundar Regunathan, Paul Ernsberger, 2003 Major developments concerning imidazoline receptor IR molecular biology cell signalling and purification of endogenous ligands have greatly expanded our understanding of the molecular nature of these proteins and of agmatine metabolizing enzymes The diversity of IR subtypes and the possible relationship of these receptors to the function of various organs and potential therapeutic targets in psychiatry and diabetes present new areas for discussion The diversity of IR subtypes as well as a wide tissue distribution for imidazoline selective binding sites has led to an appreciation that other organ systems besides the brain are also probably influenced by IR agmatine and harmaline have pointed to the potential therapeutic value of these agents in unexpected areas like brain trauma studies as well as an agent capable of alleviating chronic pain drug withdrawal syndromes and inflammatory responses The plenary presentation will focus on the emerging role of IR in the cause and or treatment of mood disorders The actions of imidazoline related agents on monoamine metabolism studies of IR and agmatine in animal behavioural paradigms human patient studies and brain autopsy studies related to mood disorders will be discussed *Effect of Palatability and Energy Status on Gene Expression of Opioid Peptides in the Arcuate Nucleus of the Rat* Eun-Mee Kim, 1997 Food Cravings and Addiction Marion M. Hetherington, 2001 The examination of the origin of food cravings involves many disciplines to determine their sociological psychological and biological explanations This volume offers an insight into food addictions and cravings with chapters written by scientists in the field It covers the underlying neurochemistry of food reward and desire the influence of hormonal status on cravings behavioural explanations of the development of food cravings and the link between dieting cravings food addiction and eating disorders *Acta Biologica Hungarica*, 2005 **Lateral Hypothalamic NMDA Receptor Subunits, Tyrosine Kinases and Tyrosine Phosphorylation in the Central Stimulation of Eating** Arshad Mahmood Khan, 2002 International Textbook of Obesity Per Björntorp, 2001-06-15 The prevalence of obesity has now reached such proportions that in many parts of the world it is one of the most dominant health problems Obesity leads to a number of serious diseases such as type 2 diabetes cardiovascular disease hypertension stroke and cancer as well as psychological problems and a poor quality of life Obesity research is now very active and understanding of the disease has greatly increased The International Textbook of Obesity offers a definitive coverage of the area looking at epidemiology causes current research and management Gives an up to date account of the field Edited by a leading expert in the area Contributions from an impressive array of authors including many from young researchers giving new perspectives on the issues This will be a lasting reference for a wide range of academic and professional health care workers including obesity research specialists diabetologists nutritionists practising physicians and endocrinologists **Neurotransmitters and Neural Circuitry Supporting Aminopuric Feeding** Susan M. Aja, 1999 **Opioids and Diet Consumption** Michael John Glass, 1998 **Theory in Psychopharmacology** S. J. Cooper, 1981 **Canadian Journal of Physiology and Pharmacology**, 2005 *Animal Behaviour Abstracts*, 2001 **Opioid Peptide Modulation of Feeding Behavior in the Ventral Striatum of**

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