

**THE  
TRANSPORTER**

***FactsBook***

**Jeffrey K. Griffith  
Clare E. Sansom**



# Transporter Factsbook

**Edward Conley, William J. Brammar**



## **Transporter Factsbook:**

*The Transporter Factsbook* Jeffrey Griffith, Clare Sansom, 1997-12-22 How do you keep track of basic information on the proteins you work with Where do you find details of their physicochemical properties amino acid sequences and structure Are you tired of scanning review articles primary papers and databases to locate that elusive fact The Academic Press FactsBook Series has established itself as the best source of easily accessible and accurate facts about protein groups Described as a growing series of excellent manuals by Molecular Medicine Today and essential works of reference by Trends in Biochemical Sciences the FactsBooks have become the most popular comprehensive data resources available Using an easy to follow format the FactsBooks will keep you up to date with the latest advances in structure amino acid sequences physicochemical properties and biological activity Meticulously researched and compiled by experts in the field keeping abreast of developments has never been so easy The Transporter FactsBook contains entries covering almost 800 transporters Organized into 55 families of structurally related transporters this volume includes ATPases ABC transporters H dependent antiporters and symporters Na dependent antiporters and symporters and other transporters such as mitochondrial transporters Nomenclature biological sources and substrates Phylogenetic relationships Predicted structures Physical and genetic characteristics Multiple amino acid sequence alignments Database accession numbers Key references

**Membrane Transporters as Drug Targets** Gordon L. Amidon, Wolfgang Sadée, 2006-04-11 Because progress in the field of transporters has been extraordinary this volume will focus on recent advances in our understanding of the structure function physiology and molecular biology of membrane transporters There will be an emphasis on transporters as molecular targets for drug delivery and disposition in the body [The T Cell Receptor FactsBook](#) Marie-Paule Lefranc, Gerard Lefranc, 2001-08-07 This reference for all functional and ORF T cell receptor genes includes information on T cell receptor structural and biological properties chain synthesis gene chromosomal localisation and T cell receptor alpha beta gamma and delta

**Structural Genomics on Membrane Proteins** Kenneth H. Lundstrom, 2006-02-23 While the genomic revolution has quickly led to the deposit of more than 30 000 structures in the protein data bank PDB less than one percent of those contributions represent membrane proteins despite the fact that membrane proteins constitute some 20 percent of all proteins This discrepancy becomes significantly troublesome when it is coupled *Ion Channel Factsbook* Edward Conley, William J. Brammar, 1996-04-18 This volume covers extracellular ligand gated ion channels It catalogues current research on this group of molecules central to the phenomenon of cell signalling Entries cover four main groups of characterized ion channels including ELG CAT 5 HT3 ELT CAT GLU NMDA and ELG CI GABA

**Drug Resistance in Bacteria, Fungi, Malaria, and Cancer** Gunjan Arora, Andaleeb Sajid, Vipin Chandra Kalia, 2017-03-21 This book is a compilation of past and recent knowledge in the field of emerging drug resistance The book covers major aspects of drug resistance in bacteria fungi malaria and cancer Human survival on earth is constantly threatened by disease and syndrome

From the early days the aim of research in medicine was to find therapeutic agents that can improve the quality of human life. Although humans are dependent on natural compounds from early days their dependence on drugs increased excessively in the last century. The advances in chemistry and biology have helped researchers to identify the drugs that have improved treatment of many diseases. The primary factor for treatment of these diseases is dependent on the efficacy of drugs available. The development of resistance to these drugs is one of the major hindrances. Although there are a number of books available on this topic, drug resistance biology across kingdoms has never been discussed in a coherent way.

*Advances in Enzymology and Related Areas of Molecular Biology, Volume 77* Eric J. Toone, 2011-08-15. This book covers important advances in enzymology explaining the behavior of enzymes and how they can be utilized to develop novel drugs, synthesize known and novel compounds and understand evolutionary processes.

**Principles of Clinical Pharmacology** Arthur J. Atkinson Jr., Darrell R. Abernethy, Charles E. Daniels, Robert Dedrick, Sanford P. Markey, 2011-04-28. This revised second edition covers the pharmacologic principles underlying the individualization of patient therapy and contemporary drug development focusing on the fundamentals that underlie the clinical use and contemporary development of pharmaceuticals. Authors drawn from academia, the pharmaceutical industry and government agencies cover the spectrum of material including pharmacokinetic practice questions covered by the basic science section of the certifying examination offered by the American Board of Clinical Pharmacology. This unique reference is recommended by the Board as a study text and includes modules on drug discovery and development to assist students as well as practicing pharmacologists. Unique breadth of coverage ranging from drug discovery and development to individualization and quality assessment of drug therapy. Unusual cohesive presentation that stems from author participation in an ongoing popular NIH course. Instructive linkage of pharmacokinetic theory and applications with provision of sample problems for self study. Wide ranging perspective of authors drawn from the ranks of Federal agencies, academia and the pharmaceutical industry. Expanded coverage of pharmacogenetics. Expanded coverage of drug transporters and their role in interactions. Inclusion of new material on enzyme induction mechanisms in chapters on drug metabolism and drug interactions. A new chapter on drug discovery that focuses on oncologic agents. Inclusion of therapeutic antibodies in chapter on biotechnology products.

**The Enzyme Reference** Daniel L. Purich, R. Donald Allison, 2003-01-04. The aim of this work is to provide a fuller spectrum of information in a single source on enzyme catalyzed reactions than is currently available in any published reference work or as part of any Internet database. The Enzyme Reference: A Comprehensive Guidebook to Enzyme Nomenclature, Reactions and Methods includes 20,000 review articles and seminal research papers. Additionally, it provides a novel treatment of so-called ATPase and GTPase reactions to account for the noncovalent substrate-like and product-like states of molecular motors, elongation factors, transporters, DNA helicases, G regulatory proteins and other enzymes. Includes a compendium of over 6,000 enzyme reactions including enzyme commission numbers, alternative names, substrates, products, alternative substrates and properties.

Covers over 900 chemical structures of key metabolites and cofactors Index directs readers to the exact pages for over 9 500 enzyme names

**The Leucocyte Antigen Factsbook** A. Neil Barclay,1993 Contains entries on all CD molecules and all other sequenced molecules expressed on the surface of haematopoietic cells white and red blood cells Each entry has a common format using a minimum amount of text and contains information on the sequence expression and Physicochemic properties

The Encyclopedia of Cell Technology Raymond Spier,2000-02-10 Brings together up to date information on all key aspects of plant and animal cell technology in a single resource Covers scientific historical and ethical aspects of biotechnology Synthesizes a wealth of information in a valuable one stop resource Invaluable to researchers working animal or plant cell technology

**Book Review Index** ,2003 Vols 8 10 of the 1965 1984 master cumulation constitute a title index

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Wiley Encyclopedia of Molecular Medicine ,2002

Sweetness and Sweeteners Deepthi K. Weerasinghe,Grant E. DuBois,2008 This book closely examines the discovery of the taste receptors and the recent breakthrough in the culturing of taste bud cells that have heightened the field of Sweeteners and modified our perception of them It also discusses topics such as structural studies of the sweetener receptor modeling of the sweetener receptor sweet taste transduction and advances in the discovery and commercial development of natural non caloric sweeteners

*Transactions* Biochemical Society (Great Britain),2005

The British National Bibliography Arthur James Wells,1999

**Harper's Illustrated Biochemistry** Robert Murray,Darryl Granner,Peter Mayes,Victor Rodwell,2003-04-08 Extensively revised and updated this authoritative biochemistry text is known worldwide for its comprehensive and up to date coverage Extensively illustrated and user friendly the text offers examples pf how knowledge of biochemistry is essential for understanding the molecular basis of health and disease The 26th edition also features expanded content on results of the Human Genome Project Perfect as both text and USMLE review

**The Cumulative Book Index** ,1999

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