

Contents

Uptake Transporters of the Human OATP Family	1
Jörg König	
In Vitro and In Vivo Evidence of the Importance of Organic Anion Transporters (OATs) in Drug Therapy	29
Gerhard Burckhardt and Birgitta Christina Burckhardt	
Organic Cation Transporters (OCTs, MATEs), In Vitro and In Vivo Evidence for the Importance in Drug Therapy	105
Anne T. Nies, Hermann Koepsell, Katja Damme, and Matthias Schwab	
Role of the Intestinal Bile Acid Transporters in Bile Acid and Drug Disposition	169
Paul A. Dawson	
The Role of the Sodium-Taurocholate Cotransporting Polypeptide (NTCP) and of the Bile Salt Export Pump (BSEP) in Physiology and Pathophysiology of Bile Formation	205
Bruno Stieger	
P-glycoprotein: Tissue Distribution, Substrates, and Functional Consequences of Genetic Variations	261
Ingolf Cascorbi	
Importance of P-glycoprotein for Drug–Drug Interactions	285
Hartmut Gläser	
Multidrug Resistance Proteins (MRPs, ABCCs): Importance for Pathophysiology and Drug Therapy	299
Dietrich Keppler	

In Vitro and In Vivo Evidence for the Importance of Breast Cancer Resistance Protein Transporters (BCRP/MXR/ABCP/ABCG2)	325
Henriette E. Meyer zu Schwabedissen and Heyo K. Kroemer	
Molecular Mechanisms of Drug Transporter Regulation	373
Rommel G. Tirona	
In Vivo Probes of Drug Transport: Commonly Used Probe Drugs to Assess Function of Intestinal P-glycoprotein (ABCB1) in Humans ...	403
Stefan Oswald, Bernd Terhaag, and Werner Siegmund	
Index	449

Drug Transporters

Fromm, M.F.; Kim, R.B. (Eds.)

2011, X, 454 p., Hardcover

ISBN: 978-3-642-14540-7