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Regulation of metabolizing enzymes and transporters for drugs and bile salts in human and rat intestine and liver

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Appendix

List of Abbreviations

Acknowledgments

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Awards

List of Publications

List of Abbreviations

1,25(OH) ₂ D ₃	1 α ,25-dihydroxyvitamin D ₃
ABC	ATP-binding cassette
ASBT	apical sodium dependent bile acid transporter
BAs	bile acids
BIS-I	bisindolyl maleimide I
BSEP	bile salt export pump
BUD	budesonide
C	colon
CA	cholic acid
CAR	constitutive active/androstane receptor
CDCA	chenodeoxycholic acid
CYP	cytochrome P450 enzyme
DEX	dexamethasone
DMEs	drug metabolizing enzymes
DMSO	dimethyl sulfoxide
DTs	drug transporters
DTT	dithiothreitol
EtOH	ethanol
FGF	fibroblast growth factor
FGFR	fibroblast growth factor receptor
FXR	farnesoid X receptor
GAPDH	glyceraldehyde-3-phosphate dehydrogenase
GR	glucocorticoid receptor
GRE	glucocorticoid receptor response element
HNF	hepatocyte nuclear factor
I	Ileum
J	jejunum
LCA	lithocholic acid
LRH-1	liver receptor homolog-1
LXR α	liver X receptor alpha
MeOH	methanol

MDR (P-gp)	multidrug resistance protein or P-glycoprotein
MRP	multidrug resistance-associated protein
NR	nuclear receptor
NRRE	nuclear receptor response element
NTCP	rat sodium taurocholate co-transporting polypeptide
OATP	organic anion transporting polypeptides
OST	rat organic solute transporter
PAR	pregnane activated receptor
PCS	precision-cut slices
PCIS	precision-cut intestinal slices
PCLS	precision-cut liver slices
PKC	protein kinase C
PMA	phorbol-12-myristate-13-acetate
PMSF	phenylmethylsulfonyl fluoride
PXR	pregnane X receptor
RXR	retinoid X receptor
SI	small intestine
SLC	solute carrier
SHP	short heterodimer partner
SXR	steroid X receptor
SULT2A1	sulfotransferase 2A1
UW	university of wisconsin
VDR	vitamin D receptor
WME	Williams medium E with Glutamax-I
XRE	xenobiotic response element