

List of Publications Henriette Meyer zu Schwabedissen

Original Articles

2021

1. *Enriching Medication Review with a Pharmacogenetic Profile – A Case of Tamoxifen Adverse Drug Reactions.* Jeiziner C, Stäuble CK, Lampert ML, Hersberger KE, Meyer zu Schwabedissen HE, Pharmacogenomics Pers Med. 2021;14:279-286
2. *Constituents of Passiflora incarnata, but Not of Valeriana officinalis, Interact with the Organic Anion Transporting Polypeptides (OATP)2B1 and OATP1A2.* Schäfer AM, Gilgen PM, Spirgi C, Potterat O, Meyer Zu Schwabedissen HE. Planta Med. 2021 *Online ahead of print.*
3. *A Multipurpose First-in-Human Study With the Novel CXCR7 Antagonist ACT-1004-1239 Using CXCL12 Plasma Concentrations as Target Engagement Biomarker.* Huynh C, Henrich A, Strasser DS, Boof ML, Al-Ibrahim M, Meyer Zu Schwabedissen HE, Dingemans J, Ufer M. Clin Pharmacol Ther. 2021 *Online ahead of print.*
4. *Metamizole is a Moderate Cytochrome P450 Inducer Via the Constitutive Androstane Receptor and a Weak Inhibitor of CYP1A2.* Bachmann F, Duthaler U, Meyer Zu Schwabedissen HE, Puchkov M, Huwyler J, Haschke M, Krähenbühl S. Clin Pharmacol Ther. 2020 *Online ahead of print.*
5. *Pharmacogenetic information in Swiss drug labels - a systematic analysis.* Jeiziner C, Suter K, Wernli U, Barbarino JM, Gong L, Whirl-Carrillo M, Klein TE, Szucs TD, Hersberger KE, Meyer Zu Schwabedissen HE. Pharmacogenomics J. 2020 *Online ahead of print.*
6. *Endogenous Coproporphyrin I and III are Altered in Multidrug Resistance-Associated Protein 2-Deficient (TR-) Rats.* Bezençon J, Saran C, Hussner J, Beaudoin JJ, Zhang Y, Shen H, Fallon JK, Smith PC, Meyer zu Schwabedissen HE, Brouwer KLR. J Pharm Sci. 2021;110(1):404-411.

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7. *Vitamin D moderates the interaction between 5-HTTLPR and childhood abuse in depressive disorders.* Bonk S, Hertel J, Zacharias HU, Terock J, Janowitz D, Homuth G, Nauck M, Völzke H, Meyer zu Schwabedissen H, Van der Auwera S, Grabe HJ. Sci Rep. 2020;10(1):22394.
8. *Nonresponse to high-dose bupropion for depression in a patient carrying CYP2B6*6 and CYP2C19*17 variants: a case report.* Stäuble CK, Lampert ML, Mikoteit T, Hatzinger M, Hersberger KE, Meyer zu Schwabedissen HE. Pharmacogenomics. 2020;21(16):1145-1150.
9. *Genetic variants of SLCO1B7 are of relevance for the transport function of OATP1B3-1B7.* Meyer Zu Schwabedissen HE, Seibert I, Grube M, Alter CL, Siegmund W, Hussner J. Pharmacol Res. 2020;161:105155.
10. *OATP1A2 and OATP2B1 Are Interacting with Dopamine-Receptor Agonists and Antagonists.* Schäfer AM, Meyer zu Schwabedissen HE, Bien-Möller S, Hubeny A, Vogelgesang S, Oswald S, Grube M. Mol Pharm. 2020;17(6):1987-1995.
11. *Design, Synthesis, and Characterization of a Paclitaxel Formulation Activated by Extracellular MMP9.* Ehram D, Sieber S, Oufir M, Porta F, Hamburger M, Huwyler J, Meyer zu Schwabedissen HE. Bioconjug Chem. 2020;31(3):781-793.

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12. *OATP1B3-1B7, a novel organic anion transporting polypeptide, is modulated by FXR ligands and transports bile acids.* Malagnino V, Hussner J, Issa A, Midzic A, Meyer zu Schwabedissen HE. Am J Physiol Gastrointest Liver Physiol. 2019;317(6):G751-G762.
13. *PDMS-PMOXA-Nanoparticles Featuring a Cathepsin B-Triggered Release Mechanism.* Ehram D, Porta F, Hussner J, Seibert I, Meyer zu Schwabedissen HE. Materials. 2019;12(17).

14. *Optimization-by-design of hepatotropic lipid nanoparticles targeting the sodium-taurocholate cotransporting polypeptide*. Witzigmann D, Uhl P, Sieber S, Kaufman C, Einfalt T, Schöneweis K, Grossen P, Buck J, Ni Y, Schenk SH, Hussner J, Meyer zu Schwabedissen HE, Québatte G, Mier W, Urban S, Huwyler J. *Elife*. 2019 8. pii: e42276. doi: 10.7554/eLife.42276.
15. *OATP1B3-1B7 (LST-3TM12) Is a Drug Transporter That Affects Endoplasmic Reticulum Access and the Metabolism of Ezetimibe*. Malagnino V, Duthaler U, Seibert I, Krähenbühl S, Meyer zu Schwabedissen HE. *Mol Pharmacol*. 2019;96(2):128-137.
16. *Unravelling the Antiproliferative Activity of 1,2,5-oxadiazole Derivatives* Ehram D, Porta F, Mori M, Meyer zu Schwabedissen HE, Dalla Via L, Garcia-Argaez AN, Basile L, Meneghetti F, Villa S, Gelain A. *Anticancer Res*. 2019;39(7):3453-3461.
17. *The nuclear receptors PXR and LXR are regulators of the scaffold protein PDZK1*. Ferreira C, Meyer R, Meyer zu Schwabedissen HE. *Biochim Biophys Acta Gene Regul Mech*. 2019;1862(4):447-456
18. *Role of serotonin transporter and receptor gene variations in the acute effects of MDMA in healthy subjects*. Vizeli P, Meyer zu Schwabedissen HE, Liechti ME. *ACS Chem Neurosci*. 2019;10(7):3120-3131
19. *Hyperforin induced activation of the Pregnane X Receptor is influenced by the Organic Anion Transporting Polypeptide 2B1 (OATP2B1)*. Schaefer AM, Potterat O, Seibert I, Fertig O, Meyer zu Schwabedissen HE. *Mol Pharmacol*. 2019;95(3):313-323.
20. *Population pharmacokinetics of oral ivermectin in venous plasma and dried blood spots in healthy volunteers*. Duthaler U, Suenderhauf C, Karlsson MO, Hussner J, Meyer zu Schwabedissen HE, Krähenbühl S, Hammann F. *Br J Clin Pharmacol*. 2019;85(3):626-633.
21. *Pharmacokinetics of oxycodone/naloxone and its metabolites in patients with end-stage renal disease during and between haemodialysis sessions*. Leuppi-Taegtmeyer A, Duthaler U, Hammann F, Schmid Y, Dickenmann M, Amico P, Jehle AW, Kalbermatter S, Lenherr C, Meyer zu Schwabedissen HE, Haschke M, Liechti ME, Krähenbühl S. *Nephrol Dial Transplant*. 2019;34(4):692-702

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22. *Establishment and Validation of Competitive Counterflow as a Method to Detect Substrates of the Organic Anion Transporting Polypeptide 2B1*. Schäfer AM, Bock T, Meyer zu Schwabedissen HE. *Mol Pharm*. 2018; 15(12):5501-5513
23. *Genome-wide analyses identify a role for SLC17A4 and AADAT in thyroid hormone regulation*. Teumer A, Chaker L, Groeneweg S, Li Y, Di Munno C, Barbieri C, Schultheiss UT, Traglia M, Ahluwalia TS, Akiyama M, Appel EVR, Arking DE, Arnold A, Astrup A, Beekman M, Beilby JP, Bekaert S, Boerwinkle E, Brown SJ, De Buyzere M, Campbell PJ, Ceresini G, Cerqueira C, Cucca F, Deary IJ, Deelen J, Eckardt KU, Ekici AB, Eriksson JG, Ferrucci L, Fiers T, Fiorillo E, Ford I, Fox CS, Fuchsberger C, Galesloot TE, Gieger C, Gögele M, De Grandi A, Grarup N, Greiser KH, Haljas K, Hansen T, Harris SE, van Heemst D, den Heijer M, Hicks AA, den Hollander W, Homuth G, Hui J, Ikram MA, Ittermann T, Jensen RA, Jing J, Jukema JW, Kajantie E, Kamatani Y, Kasbohm E, Kaufman JM, Kiemeny LA, Kloppenburg M, Kronenberg F, Kubo M, Lahti J, Lapauw B, Li S, Liewald DCM; Lifelines Cohort Study, Lim EM, Linneberg A, Marina M, Mascalzoni D, Matsuda K, Medenwald D, Meisinger C, Meulenbelt I, De Meyer T, Meyer zu Schwabedissen HE, Mikolajczyk R, Moed M, Netea-Maier RT, Nolte IM, Okada Y, Pala M, Pattaro C, Pedersen O, Petersmann A, Porcu E, Postmus I, Pramstaller PP, Psaty BM, Ramos YFM, Rawal R, Redmond P, Richards JB, Rietzschel ER, Rivadeneira F, Roef G, Rotter JI, Sala CF, Schlessinger D, Selvin E, Slagboom PE, Soranzo N, Sørensen TIA, Spector TD, Starr JM, Stott DJ, Taes Y, Taliun D, Tanaka T, Thuesen B, Tiller D, Toniolo D, Uitterlinden AG, Visser WE, Walsh JP, Wilson SG, Wolffenbuttel BHR, Yang Q, Zheng HF, Cappola A, Peeters RP, Naitza S, Völzke H, Sanna S, Köttgen A, Visser TJ, Medici M. *Nat Commun*. 2018; 9(1):4455.
24. *Synthesis and Characterization of PDMS-PMOXA-Based Polymersomes Sensitive to MMP-9 for Application in Breast Cancer*. Porta F, Ehram D, Lengerke C, Meyer zu Schwabedissen HE. *Mol Pharm*. 2018; 15(11):4884-4897.
25. *The scaffold protein PDZK1 modulates expression and function of the organic anion transporting polypeptide 2B1*. Ferreira C, Hagen P, Stern M, Hussner J, Zimmermann U, Grube M, Meyer zu Schwabedissen HE. *Eur J Pharm Sci*. 2018;120:181-190

26. *Thyroid hormones are transport substrates and transcriptional regulators of Organic Anion Transporting Polypeptide 2B1*. Meyer zu Schwabedissen HE, Ferreira C, Schaefer AM, Oufir M, Seibert I, Hamburger M, Tirona RG. *Mol Pharmacol*. 2018; 94(1):700-712
27. *Childhood Trauma and Functional Variants of 5-HTTLPR Are Independently Associated with Alexithymia in 5,283 Subjects from the General Population*. Terock J, Van der Auwera S, Janowitz D, Homuth G, Hannemann A, Schmidt CO, Meyer Zu Schwabedissen H, Freyberger HJ, Grabe HJ. *Psychother Psychosom*. 2018; 87(1):58-61
28. *LST-3TM12 is a member of the OATP1B family and a functional transporter*. Malagnino V, Hussner J, Seibert I, Stolzenburg A, Sager CP, Meyer Zu Schwabedissen HE. *Biochem Pharmacol*. 2018; 148:75-87.
29. *No major role of norepinephrine transporter gene variations in the cardiostimulant effects of MDMA*. Vizeli P, Meyer zu Schwabedissen HE, Liechti ME. *Eur J Clin Pharmacol*. 2018; 74(3):275-283
30. *PDZ domain containing protein 1 (PDZK1), a modulator of membrane proteins, is regulated by the nuclear receptor THR β* . Ferreira C, Prestin K, Hussner J, Zimmermann U, Meyer zu Schwabedissen HE. *Mol Cell Endocrinol*. 2018; 461:215-225.
31. *Collaborative meta-analysis finds no evidence of a strong interaction between stress and 5-HTTLPR genotype contributing to the development of depression*. Cluverhouse RC et al. *Mol Psychiatry*. 2018; 23(1):133-142.

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32. *Functional assessment of genetic variants located in the promoter of SHP1 (NR0B2)*. Prestin K, Olbert M, Hussner J, Völzke H, Meyer zu Schwabedissen HE. *Pharmacogenet Genomics*. 2017; 27(11):410-415.
33. *Doxorubicin enhances oxysterol levels resulting in a LXR-mediated upregulation of cardiac cholesterol transporters*. Monzel JV, Budde T, Meyer zu Schwabedissen HE, Schwebe M, Bien-Möller S, Lütjohann D, Kroemer HK, Jedlitschky G, Grube M. *Biochem Pharmacol*. 2017; 144:108-119.
34. *Regulation of PDZ domain containing 1 (PDZK1) Expression by Hepatocyte Nuclear Factor 1 alpha (HNF1 α) in Human Kidney*. Prestin K, Hussner J, Ferreira C, Seibert I, Breitung V, Zimmermann U, Meyer Zu Schwabedissen HE. *Am J Physiol Renal Physiol*. 2017; 313(4): F973-F983.
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36. *Pharmacogenetics of ecstasy: CYP1A2, CYP2C19, and CYP2B6 polymorphisms moderate pharmacokinetics of MDMA in healthy subjects*. Vizeli P, Schmid Y, Prestin K, Meyer zu Schwabedissen HE, Liechti ME. *Eur Neuropsychopharmacology* 2017;27(3):232-238.
37. *Genetic loci associated with heart rate variability and their effects on cardiac disease risk*. Nolte IM et al. *Nature Communications* 2017; 8:15805.

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38. *Modulation of Expression of the Nuclear Receptor NR0B2 (Small Heterodimer Partner 1 SHP1) and its Impact on Cell Proliferation of Renal Carcinoma Cells*. Prestin K, Olbert M, Hussner J, Isenegger T, Gliesche DG, Böttcher K, Zimmermann U, Meyer zu Schwabedissen HE. *OncoTargets and Therapy*. 2016; 9:4867-4878.
39. *CYP2D6 function moderates the pharmacokinetics and pharmacodynamics of 3,4-methylenedioxymethamphetamine in a controlled study in healthy individuals*. Schmid Y, Vizeli P, Hysek CM, Prestin K, Meyer zu Schwabedissen HE, Liechti ME. *Pharmacogenetics Genomics*. 2016; 26(8):397-401.
40. *Secreted Matrix Metalloproteinase-9 of proliferating smooth muscle cells as a trigger for drug release from stent surface polymers in coronary arteries*. Gliesche DG, Hussner J, Witzigmann D, Porta F, Glatter T, Schmidt A, Huwyler J, Meyer zu Schwabedissen HE. *Molecular Pharmaceutics*. 2016; 13(7):2290-2300.
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42. *Effect of the interaction between childhood abuse and rs1360780 of the FKBP5 gene on gray matter volume in a general population sample.* Grabe HJ, Wittfeld K, Van der Auwera S, Janowitz D, Hegenscheid K, Habes M, Homuth G, Barnow S, John U, Nauck M, Völzke H, Meyer zu Schwabedissen H, Freyberger HJ, Hosten N. *Human Brain Mapping.* 2016; 37(4):1602-13.
43. *Tailored surface design of biodegradable endovascular implants by functionalization of poly (L-lactide) with elastin-like proteins.* Petersen S, Gliesche DG, Kurtbay G, Begunk R, Boeck M, Hopf V, Kroemer HK, Schmitz KP, Meyer zu Schwabedissen HE, Sternberg K. *Journal of Biomedical Engineering and Informatics* 2016; 2(1):52-64.

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51. *Cohort profile: Greifswald Approach to Individualized Medicine (GANI_MED)*. Grabe HJ, Assel H, Bahls T, Dörr M, Endlich K, Endlich N, Erdmann P, Ewert R, Felix S, Fiene B, Fischer T, Flessa S, Nele Friedrich N, Gadebusch-Bondio M, Gesell Salazar M, Hammer E, Haring R, Havemann C, Hecker M, Hoffmann W, Holtfreter B, Kacprowski T, Klein K, Kocher T, Kock H, Krafczyk J, Kuhn J, Langanke M, Lendeckel U, Lerch MM, Lieb W, Lorbeer R, Mayerle J, Meissner K, Meyer zu Schwabedissen HE, Nauck M, Ott K, Rathmann W, Rettig R, Richardt C, Salje K, Schminke U, Schulz A, Schwab M, Siegmund W, Stracke S, Suhre K, Ueffing M, Ungerer S, Völker U, Völzke H, Wallaschofski H, Werner V, Zygmunt MT and Kroemer HK. *Journal of Translational Medicine*. 2014; 12:144.
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