

2017

Fisch KM, Hertzler C, Böhringer N, Wuisan ZG, Schillo D, Bara R, Kaligis F, Wägele H, König GM, Schäberle TF. *The Potential of Indonesian Heterobranchs Found around Bunaken Island for the Production of Bioactive Compounds*. Mar Drugs. 2017 Dec 7;15(12).

Joerger M, Kraff S, Jaehde U, Hilger RA, Courtney JB, Cline DJ, Jog S, Baburina I, Miller MC, Salamone SJ. *Validation of a Commercial Assay and Decision Support Tool for Routine Paclitaxel Therapeutic Drug Monitoring (TDM)*. Ther Drug Monit. 2017 Dec;39(6):617-624.

Deshpande T, Li T, Herde MK, Becker A, Vatter H, Schwarz MK, Henneberger C, Steinhäuser C, Bedner P. *Subcellular reorganization and altered phosphorylation of the astrocytic gap junction protein connexin43 in human and experimental temporal lobe epilepsy*. Glia. 2017 Nov;65(11):1809-1820.

Rafehi M, Neumann A, Baqi Y, Malik EM, Wiese M, Namasivayam V, Müller CE. *Molecular Recognition of Agonists and Antagonists by the Nucleotide-Activated G Protein-Coupled P2Y2 Receptor*. J Med Chem. 2017 Oct 26;60(20):8425-8440.

Danish A, Lee SY, Müller CE. *Quantification of green fluorescent protein-(GFP-) tagged membrane proteins by capillary gel electrophoresis*. Analyst. 2017 Oct 7;142(19):3648-3655.

Barra L, Barac P, König GM, Crüsemann M, Dickschat JS. *Volatiles from the fungal microbiome of the marine sponge Callyspongia cf. flammea*. Org Biomol Chem. 2017 Sep 13;15(35):7411-7421.

Matthey M, Roberts R, Seidinger A, Simon A, Schröder R, Kuschak M, Annala S, König GM, Müller CE, Hall IP, Kostenis E, Fleischmann BK, Wenzel D. *Targeted inhibition of Gq signaling induces airway relaxation in mouse models of asthma*. Sci Transl Med. 2017 Sep 13;9(407). pii: eaag2288.

Piva MBR, Jakubzig B, Bendas G. *Integrin Activation Contributes to Lower Cisplatin Sensitivity in MV3 Melanoma Cells by Inducing the Wnt Signalling Pathway*. Cancers (Basel). 2017 Sep 16;9(9). pii: E125.

Diekstra MH, Fritsch A, Kanefendt F, Swen JJ, Moes D, Sörgel F, Kinzig M, Stelzer C, Schindele D, Gauler T, Hauser S, Houtsma D, Roessler M, Moritz B, Mross K, Bergmann L, Oosterwijk E, Kiemeny LA, Guchelaar HJ, Jaehde U. *Population Modeling Integrating Pharmacokinetics, Pharmacodynamics, Pharmacogenetics, and Clinical Outcome in Patients With Sunitinib-Treated Cancer*. CPT Pharmacometrics Syst Pharmacol. 2017 Sep;6(9):604-613.

Hufendiek P, Stölben SSM, Harms H, Kehraus S, Merten N, Crüsemann M, Arslan I, Gütschow M, Schneider T, König GM. *Biosynthetic studies on acetosellin and structure elucidation of a new acetosellin derivative*. Planta Med. 2017 Aug;83(12-13):1044-1052.

Kranawetvogl A, Küppers J, Gütschow M, Worek F, Thiermann H, Elsinghorst PW, John H. *Identification of novel disulfide adducts between the thiol containing leaving group of the nerve agent VX and cysteine containing tripeptides derived from human serum albumin.* Drug Test Anal. 2017 Aug;9(8):1192-1203.

Henrich A, Joerger M, Kraff S, Jaehde U, Huisinga W, Kloft C, Parra-Guillen ZP. *Semimechanistic Bone Marrow Exhaustion Pharmacokinetic/Pharmacodynamic Model for Chemotherapy-Induced Cumulative Neutropenia.* J Pharmacol Exp Ther. 2017 Aug;362(2):347-358.

van der Zanden LFM, Vermeulen SH, Oskarsdottir A, Maurits JSF, Diekstra MHM, Ambert V, Cambon-Thomsen A, Castellano D, Fritsch A, Garcia Donas J, Guarch Troyas R, Guchelaar HJ, Hartmann A, Hulsbergen-van de Kaa C, Jaehde U, Junker K, Martinez-Cardus A, Masson G, Oosterwijk-Wakka J, Radu MT, Rafnar T, Rodriguez-Antona C, Roessler M, Ruijtenbeek R, Stefansson K, Warren A, Wessels L, Eisen T, Kiemeny LALM, Oosterwijk E. *Description of the EuroTARGET cohort: A European collaborative project on TArgeted therapy in renal cell cancer-GEnetic- and tumor-related biomarkers for response and toxicity.* Urol Oncol. 2017 Aug;35(8):529.e9-529.e16.

Sarin N, Engel F, Kalayda GV, Mannewitz M, Cinatl J Jr, Rothweiler F, Michaelis M, Saafan H, Ritter CA, Jaehde U, Frötschl R. *Cisplatin resistance in non-small cell lung cancer cells is associated with an abrogation of cisplatin-induced G2/M cell cycle arrest.* PLoS One. 2017 Jul;12(7):e0181081.

Böhringer N, Fisch KM, Schillo D, Bara R, Hertzler C, Grein F, Eisenbarth JH, Kaligis F, Schneider T, Wägele H, König GM, Schäberle TF. *Antimicrobial Potential of Bacteria Associated with Marine Sea Slugs from North Sulawesi, Indonesia.* Front Microbiol. 2017 Jun 14; 8:1092.

Pfankuchen DB, Baltés F, Batool T, Li JP, Schlesinger M, Bendas G. *Heparin antagonizes cisplatin resistance of A2780 ovarian cancer cells by affecting the Wnt signaling pathway.* Oncotarget. 2017 Jun 28;8(40):67553-67566.

De Filippo E, Manga P, Schiedel AC. *Identification of Novel G Protein-Coupled Receptor 143 Ligands as Pharmacologic Tools for Investigating X-Linked Ocular Albinism.* Invest Ophthalmol Vis Sci. 2017 Jun 1;58(7):3118-3126.

Mueller T, Pfankuchen DB, Wantoch von Rekowski K, Schlesinger M, Reipsch F, Bendas G. *The Impact of the Low Molecular Weight Heparin Tinzaparin on the Sensitization of Cisplatin-Resistant Ovarian Cancers-Preclinical In Vivo Evaluation in Xenograft Tumor Models.* Molecules. 2017 May 3; 22(5). pii: E728.

Wißbrock A, Imhof D. A tough nut to crack: Intracellular detection and quantification of heme in malaria parasites by a genetically encoded protein sensor. *ChemBioChem*. 2017 May 26; 18(16) 1561-1564

Rafehi M, Malik EM, Neumann A, Abdelrahman A, Hanck T, Namasivayam V, Müller CE, Baqi Y. *Development of Potent and Selective Antagonists for the UTP-Activated P2Y4 Receptor*. *J Med Chem*. 2017 Apr 13; 60(7):3020-3038.

Häußler D, Schulz-Fincke AC, Beckmann AM, Keils A, Gilberg E, Mangold M, Bajorath J, Stirnberg M, Steinmetzer T, Gütschow M. *A Fluorescent-Labeled Phosphono Bisbenzguanidine As an Activity-Based Probe for Matriptase*. *Chem Eur J*. 2017 Apr 19; 23(22):5205-5209.

Bogdanov A, Hertzler C, Kehraus S, Nietzer S, Rohde S, Schupp PJ, Wägele H, König GM. *Secondary metabolome and its defensive role in the aeolidoidean *Phyllodesmium longicirrum*, (Gastropoda, Heterobranchia, Nudibranchia)*. *Beilstein J Org Chem*. 2017 Mar 13; 13:502-519.

Kanarek AM, Wagner A, Küppers J, Gütschow M, Postina R, Kojro E. *Crosstalk between angiotensin and the nonamyloidogenic pathway of Alzheimer's amyloid precursor protein*. *FEBS J*. 2017 Mar; 284(5):742-753.

Lee SY, Sarkar S, Bhattarai S, Namasivayam V, De Jonghe S, Stephan H, Herdewijn P, El-Tayeb A, Müller CE. *Substrate-Dependence of Competitive Nucleotide Pyrophosphatase/Phosphodiesterase 1 (NPP1) Inhibitors*. *Front Pharmacol*. 2017 Feb 15; 8:54.

De Filippo E, Schiedel AC, Manga P. *Interaction between G Protein-Coupled Receptor 143 and Tyrosinase: Implications for Understanding Ocular Albinism Type 1*. *J Invest Dermatol*. 2017 Feb; 137(2):457-465.

Hoß SG, Bendas G. *Mass-Sensitive Biosensor Systems to Determine the Membrane Interaction of Analytes*. *Methods Mol Biol*. 2017; 1520:145-157.