

- **Effects of BI 655064, an antagonistic anti-CD40 antibody, on clinical and biomarker variables in patients with active rheumatoid arthritis: A randomised, double-blind, placebo-controlled, phase IIa study.**

Author(s): **Visvanathan S., Daniluk S., Ptaszynski R., Muller-Ladner U., Ramanujam M., Rosenstock B, Eleftheraki A.G., Vinisko R.,** Petrikova A., Kellner H., Dokoupilova E., Kwiatkowska B., Alten R., Schwabe C., **Baum P., Joseph, David, Fine J.S., Padula S., Steffgen J.**

Source(s): Annals of the Rheumatic Diseases. 78 (6) (pp 754-760), 2019. Date of Publication: 01 Jun 2019.

- **Exploiting orthology and de novo transcriptome assembly to refine target sequence information.**

Author(s): **Sollner JF, Leparc G., Zwick M., Schoenberger T, Hildebrandt T., Nieselt K, Simon E.**

Source(s): BMC Medical Genomics [Electronic Resource]. 12(1):69, 2019 May 23.

- **Changes in Albuminuria But Not GFR are Associated with Early Changes in Kidney Structure in Type 2 Diabetes.**

Author(s): Looker H.C., Mauer M., Saulnier P.-J., Harder J.L., Nair V., **Boustany-Kari C.M., Guarnieri P., Hill, J D.,** Esplin C.A., Kretzler M., Nelson R.G., Najafian B.

Source(s): Journal of the American Society of Nephrology : JASN. 30 (6) (pp 1049-1059), 2019. Date of Publication: 01 Jun 2019.

- **In vivo selective inhibition of TRPC6 by antagonist BI 749327 ameliorates fibrosis and dysfunction in cardiac and renal disease.**

Author(s): Lin BL,**Matera D,** Doerner JF, Zheng N, Del Camino D, Mishra S, **Bian H, Zeveleva S,** Zhen X, Blair NT, Chong JA, Hessler DP, Bedja D, Zhu G, Muller GK, Ranek MJ, **Pantages L., McFarland M., Netherton MR, Berry A.K., Wong D.K., Rast G., Qian H, Weldon S.M., Kuo JJ, Sauer A., Sarko C., Moran MM, Kass DA, Pullen S.S.**

Source(s): Proceedings of the National Academy of Sciences of the United States of America. 2019 Apr 26.

- **Structure of a Therapeutic Full-Length Anti-NPRA IgG4 Antibody: Dissecting Conformational Diversity.**

Author(s): **Blech M., Horer S.**, Kuhn AB, Kube S, Goddeke H, Kiefer H, Zang Y, Alber Y, Kast SM, Westermann M, Tully MD, Schafer LV, **Garidel, P.**

Source(s): Biophysical Journal. 116(9):1637-1649, 2019 May 07.

- **Structure of McsB, a protein kinase for regulated arginine phosphorylation.**

Author(s): Suskiewicz MJ, Hajdusits B, Beveridge R, Heuck A, Vu LD, Kurzbauer R, **Hauer K, Thoeny V, Rumpel K,** Mechtler K, Meinhart A, Clausen T

Source(s): Nature Chemical Biology. 15(5):510-518, 2019 May.

- **Neurofilament light chain as a blood biomarker to differentiate psychiatric disorders from behavioural variant frontotemporal dementia.**

Author(s): Al Shweiki M.R., Steinacker P., Oeckl, P, **Hengerer B.**, Danek A., Fassbender K., Diehl-Schmid J., Jahn H., Anderl-Straub S., Ludolph A.C., Schonfeldt-Lecuona C., Otto M.

Source(s): Journal of Psychiatric Research. 113 (pp 137-140), 2019. Date of Publication: June 2019.

- **Human lung fibroblast-to-myofibroblast transformation is not driven by an LDH5-dependent metabolic shift towards aerobic glycolysis.**

Author(s): **Schruf E., Schroeder V., Kuttruff C.A., Weigle S., Krell M., Benz M., Bretschneider T, Holweg A., Schuler M.H., Frick M., Nicklin P, Garnett JP, Sobotta M.C.**

Source(s): Respiratory Research. 20 (1) (no pagination), 2019. Article Number: 87. Date of Publication: 09 May 2019.

- **Single Cell RNA Sequencing Identifies Subsets of Hepatic Stellate Cells and Myofibroblasts in Liver Fibrosis.**

Author(s): **Krenkel O,** Hundertmark J, Ritz TP, Weiskirchen R, Tacke F

Source(s): Cells. 8(5), 2019 May 24.

- **Response to IL-6 trans- A nd IL-6 classic signalling is determined by the ratio of the IL-6 receptor alpha to gp130 expression: Fusing experimental insights and dynamic modelling.**

Author(s): Reeh H., Rudolph N., Billing U., Christen H., Streif S., Bullinger E., Schliemann-Bullinger M., Findeisen R., Schaper F., **Huber H.J.**, Dittrich A.

Source(s): Cell Communication and Signaling. 17 (1) (no pagination), 2019. Article Number: 46. Date of Publication: 17 May 2019.

- **A mechanism to prevent production of reactive oxygen species by Escherichia coli respiratory complex I.**

Author(s): Schulte M., Frick K., Gndant E., Jurkovic S., Burschel S., Labatzke R., **Aierstock K.M., Fiegen D.**, Wohlwend D., Gerhardt S., Einsle O., Friedrich T.

Source(s): Nature Communications. 10 (1) (no pagination), 2019. Article Number: 2551. Date of Publication: 01 Dec 2019.

- **RORgammat inhibition selectively targets IL-17 producing iNKT and gammadelta-T cells enriched in Spondyloarthritis patients.**

Author(s): Venken K., Jacques P., Mortier C., **Labadia M.E.**, Decruy T., Coudensys J., **Hoyt K, Wayne A.L., Hughes RO, Turner M,** Van Gassen S., Martens L., **Smith DM, Harcken, C, Wahle J., Wang C.-T.**, Verheugen E., Schryvers N., Varkas G., Cypers H., Wittoek R., Piette Y., Gyselbrecht L., Van Calenbergh S., Van den Bosch F., Saeys Y., **Nabozny G.H.**, Elewaut D.

Source(s): Nature Communications. 10 (1) (no pagination), 2019. Article Number: 9. Date of Publication: 01 Dec 2019.

- **Delivery of self-amplifying RNA vaccines in in vitro reconstituted virus-like particles.**

Author(s): Biddlecome A., **Habte H.H., McGrath K.M., Sambanthamoorthy S., Wurm M., Sykora M.M.**, Knobler C.M., Lorenz I.C., **Lasaro M., Elbers K,** Gelbart W.M.

Source(s): PLoS ONE. 14 (6) (no pagination), 2019. Article Number: e0215031. Date of Publication: June 2019.

- **Activation of the kynurenine pathway and mitochondrial respiration to face allostatic load in a double-hit model of stress.**

Author(s): **Nold V., Sweatman C.,** Karabatsiakos A., Bock C., **Bretschneider T, Lawless N., Fundel-Clemens K.,** Kolassa I.-T., **Allers, K.A.**

Source(s): Psychoneuroendocrinology. 107 (pp 148-159), 2019. Date of Publication: September 2019.

- **Validation of in vitro methods for human cytochrome P450 enzyme induction: Outcome of a multi-laboratory study.**

Author(s): Bernasconi C., Pelkonen O., Andersson T.B., Strickland J., Wilk-Zasadna I., Asturiol D., Cole T., Liska R., Worth A., **Muller-Vieira U.,** Richert L., Chesne C., Coecke S.

Source(s): Toxicology in Vitro. 60 (pp 212-228), 2019. Date of Publication: October 2019.

- **Drug safety Africa: An overview of safety pharmacology & toxicology in South Africa.**

Author(s): **Guth B.D.,** Grobler A.F., Frazier K.S., Greiter-Wilke A., Herzyk D., Hough T.A., Khan A.A., **Markert M., Smith J.D.,** Svenson K.L., Wells S., Pugsley M.K.

Source(s): Journal of Pharmacological and Toxicological Methods. 98 (no pagination), 2019. Article Number: 106579. Date of Publication: July - August 2019.

- **J-2156, a somatostatin receptor type 4 agonist, alleviates mechanical hyperalgesia in a rat model of chronic low back pain.**

Author(s): Park T.S.W., Khan N., Kuo A., **Nicholson, J, Corradini, L,** Smith M.T.

Source(s): Biomedicine and Pharmacotherapy. 117 (no pagination), 2019. Article Number: 109056. Date of Publication: September 2019.

- **Retrospective analysis of model-based predictivity of human pharmacokinetics for anti-IL-36R monoclonal antibody MAB92 using a rat anti-mouse IL-36R monoclonal antibody and RNA expression data (FANTOM5).**

Author(s): Ahlberg J., Giragossian C, Li H., Myzithras M, Raymond E, Caviness G., Grimaldi, Christine, Brown S.E., Perez R., Yang D, Kroe-Barrett R., Joseph, David, Pamulapati C, Coble, Kelly, Ruus P, Woska J.R., Ganesan R, Hansel S., Mbow M.L.

Source(s): mAbs. (no pagination), 2019. Date of Publication: 08 May 2019.

- **Structural basis of resistance of mutant RET protein tyrosine kinase to its inhibitors nintedanib and vandetanib.**

Author(s): Terzyan SS, Shen T, Liu X., Huang Q., Teng P, Zhou M, Hilberg F., Cai J, Mooers BHM, Wu J.P.

Source(s): Journal of Biological Chemistry. 2019 May 22.

- **KRAS Binders Hidden in Nature.**

Author(s): Bergner A., Cockcroft X, Gollner A., Hela W, Kousek R, Mantoulidis A, Martin LJ, Mayer M., Mullauer B, Siszler G, Wolkerstorfer B, Kessler D, McConnell D.B.

Source(s): Chemistry-A European Journal. 2019 Jun 23.

- **Bad to the Bone: The Role of the Insulin-Like Growth Factor Axis in Osseous Metastasis.**

Author(s): Rieunier G, Wu X, Macaulay VM, Lee AV, Weyer-Czernilofsky U, Bogenrieder T.

Source(s): Clinical Cancer Research. 2019 Feb 11.

- **BAL cell gene expression is indicative of outcome and airway basal cell involvement in idiopathic pulmonary fibrosis.**

Author(s): Prasse A., Binder H., Schupp J.C., Kayser G., Bargagli E., Jaeger B., Hess M., Rittinghausen S., Vuga L., Lynn H., Violette S., Jung B., Quast K, Vanaudenaerde B., Xu Y., Hohlfeld J.M., Krug N., Herazo-Maya J.D., Rottoli P., Wuyts W.A., Kaminski N.

Source(s): American Journal of Respiratory and Critical Care Medicine. 199 (5) (pp 622-630), 2019. Date of Publication: 01 Mar 2019.

- **Highly Selective PTK2 Proteolysis Targeting Chimeras to Probe Focal Adhesion Kinase Scaffolding Functions.**

Author(s): Popow J, Arnhof H., Bader, Gerd, Berger H., Ciulli A, Covini D, Dank C, Gmaschitz T, Greb P, Karolyi-Ozguer J, Koegl M., McConnell D.B., Pearson M., Rieger M, Rinnenthal J, Roessler V, Schrenk A, Spina M, Steurer S, Trainor N, Traxler E, Wieshofer C, Zoephel A., Ettmayer P

Source(s): Journal of Medicinal Chemistry. 2019 Feb 22.

- **SPR-Measured Dissociation Kinetics of PROTAC Ternary Complexes Influence Target Degradation Rate.**

Author(s): Roy MJ, Winkler S, Hughes SJ, Whitworth C, Galant M, Farnaby W, Rumpel K, Ciulli A

Source(s): ACS Chemical Biology [Electronic Resource]. 2019 Feb 22.

- **A reduced concentration of brain interstitial amino acids is associated with depression in subarachnoid hemorrhage patients.**

Author(s): Kofler M, Schiefecker AJ, Gaasch M, Sperner-Unterweger B, Fuchs D, Beer R, Ferger, B, Rass V, Hackl W, Rhomberg P, Pfausler B, Thome C, Schmutzhard E, Helbok R

Source(s): Scientific Reports. 9(1):2811, 2019 Feb 26.

- **Clinical profile of the functionally selective glucocorticoid receptor agonist BI 653048 in healthy male subjects.**

Author(s): Harcken, C, Scholl P, Nabozny G.H., Thomson D, Bianchi D

Source(s): Expert Opinion on Investigational Drugs. 2019 Mar 25.

- **Pharmacokinetic and pharmacodynamic actions of clozapine-N-oxide, clozapine, and compound 21 in DREADD-based chemogenetics in mice.**

Author(s): Jendryka M., Palchaudhuri M., Ursu D., van der Veen B., Liss B., Katzel D., Nissen W., Pekcec, A.

Source(s): Scientific reports. 9 (1) (pp 4522), 2019. Date of Publication: 14 Mar 2019.

- **Discovery and optimization of pyrazole amides as antagonists of CCR1**

Author(s): Harcken, C, Sarko, Christopher, Mao C, Lord J., Raudenbush, Brian, Razavi, Hossein, Liu P., Swinamer, Alan, Disalvo, Darren, Lee, Thomas, Lin, Siqui, Kukulka, Alison, Grbic, Heather, Patel M., Patel M., Fletcher, Kim, Joseph, David, White, Della, Amodeo, Laura, Berg, Karen, Brown, Maryanne, Thomson, David S.

Source(s): Bioorganic & Medicinal Chemistry Letters. 29(3). FEB 1 2019. 435-440.

- **Crystal Structure of CC Chemokine Receptor 2A in Complex with an Orthosteric Antagonist Provides Insights for the Design of Selective Antagonists**

Author(s): **Apel, A-K**, Cheng, Robert K. Y., **Tautermann C.S.**, Brauchle, Michael, Huang, Chia-Ying, **Pautsch A.**, Hennig, Michael, **Nar, Herbert, Schnapp G.**

Source(s): Structure (Cambridge). 27(3). MAR 5 2019. 427-438.

- **First-in-class ruthenium anticancer drug (KP1339/IT-139) induces an immunogenic cell death signature in colorectal spheroids in vitro.**

Author(s): Wernitznig D., Kiakos K., Del Favero G., **Harrer N., Machat H., Osswald A., Jakupec M.A., Wernitznig, A., Sommergruber W., Keppler B.K.**

Source(s): Metallomics : integrated biometal science. (no pagination), 2019. Date of Publication: 03 Apr 2019.

- **Characterization of CDAA mouse model for non-alcoholic steatohepatitis at various time-points.**

Author(s): **Pfisterer L., Huber J.D., Broermann, A.**

Source(s): Journal of Hepatology. Conference: The International Liver Congress. Austria. 70 (1 Supplement) (pp e200), 2019. Date of Publication: April 2019.

- **Standardized, Scalable, and Timely Flexible Adeno-Associated Virus Vector Production Using Frozen High-Density HEK-293 Cell Stocks and CELLdiscs.**

Author(s): Strobel B., Zuckschwerdt K., Zimmermann G., Mayer C., Eytner R., Rechtsteiner P., Kreuz, Sebastian, Lamla T.

Source(s): Human gene therapy methods. 30 (1) (pp 23-33), 2019. Date of Publication: 01 Feb 2019.

- **Iterative Design and Optimization of Initially Inactive Proteolysis Targeting Chimeras (PROTACs) Identify VZ185 as a Potent, Fast, and Selective von Hippel-Lindau (VHL) Based Dual Degradable Probe of BRD9 and BRD7.**

Author(s): Zoppi V., Hughes S.J., Maniaci C., Testa A., Gmaschitz T., Wieshofer C., Koegl M., Richtig K.M., Daniels D.L., Spallarossa A., Ciulli A.

Source(s): Journal of Medicinal Chemistry. 62 (2) (pp 699-726), 2019. Date of Publication: 24 Jan 2019.

- **A novel anti-HER2 anthracycline-based antibody-drug conjugate induces adaptive anti-tumor immunity and potentiates PD-1 blockade in breast cancer.**

Author(s): D'Amico L., Menzel U., Prummer M., Muller P., Buchi M., Kashyap A., Haessler U., Yermanos A., Gebleux R., Briendl M., Hell T., Wolter F.I., Beerli R.R., Truxova I., Radek S., Vlajnic T., Grawunder U., Reddy S., Zippelius A.

Source(s): Journal for immunotherapy of cancer. 7 (1) (pp 16), 2019. Date of Publication: 21 Jan 2019.

- **Fibrosing interstitial lung diseases: knowns and unknowns. [Review]**

Author(s): Cottin V, Wollin L., Fischer A, Quaresma M, Stowasser S., Harari S

Source(s): European Respiratory Review. 28(151), 2019 Mar 31.

- **The L cell transcriptome is unaffected by vertical sleeve gastrectomy but highly dependent upon position within the gastrointestinal tract.**

Author(s): Rollins K.A., Opitz L., Arnold M., Simon E., Neubauer, H., Wolfrum S.

Source(s): Peptides. 113 (pp 22-34), 2019. Date of Publication: March 2019.

- **Werner syndrome helicase is a selective vulnerability of microsatellite instability-high tumor cells.**

Author(s): **Lieb S., Blaha-Ostermann S., Kamper E., Rippka J., Schwarz C., Ehrenhofer-Wolfer K., Schlattl A, Wernitznig, Andreas, Lipp J.J.,** Nagasaka K., Van Der Lelij P., **Bader, G.,** Koi M., Goel A., **Neumuller R.A.,** Peters J.-M., **Kraut, Norbert, Pearson M.A., Petronczki M., Wohrle S**

Source(s): eLife. 8 (no pagination), 2019. Article Number: e43333. Date of Publication: March 2019.

- **Klotho: An elephant in aging research.**

Author(s): Cheikhi A, Barchowsky A, Sahu A, Shinde SN, Pius A, Clemens ZJ, **Li H., Kennedy C.A., Hoeck JD, Franti M.,** Ambrosio F

Source(s): Journals of Gerontology Series A-Biological Sciences & Medical Sciences. 2019 Mar 07.

- **Angiotensin II-induced redox-sensitive SGLT1 and 2 expression promotes high glucose-induced endothelial cell senescence.**

Author(s): Khemais-Benkhiat S., Belcastro E., Idris-Khodja N., Park S.-H., Amoura L., Abbas M., Auger C., Kessler L., **Mayoux, E.,** Toti F., Schini-Kerth V.B.

Source(s): Journal of cellular and molecular medicine. (no pagination), 2019. Date of Publication: 30 Mar 2019.

- **Structural and Functional Characterization of Ubiquitin Variant Inhibitors of USP15.**

Author(s): Teyra J, Singer AU, Schmitges FW, Jaynes P, Kit Leng Lui S, Polyak MJ, Fodil N, Krieger JR, Tong J, Schwerdtfeger C, Brasher BB, Ceccarelli DFJ, Moffat J, Sicheri F, Moran MF, Gros P, Eichhorn PJA, **Lenter M., Boehmelt G., Sidhu SS**

Source(s): Structure. 2019 Jan 17.

Impact Factor: 5.237

- **Dissolution or disintegration-substitution of dissolution by disintegration testing for a fixed dose combination product.**

Author(s): **Grube A., Gerlitzki C., Brendel M**

Source(s): Drug Development and Industrial Pharmacy. 45 (1) (pp 130-138), 2019.

Date of Publication: 02 Jan 2019.

- **Plasma Concentrations of Myeloid-Derived Growth Factor in Healthy Individuals and Patients with Acute Myocardial Infarction as Assessed by Multiple Reaction Monitoring-Mass Spectrometry.**

Author(s): Polten F., Reboll M.R., Widera C., Kempf T., Bethmann K., **Gupta P., Miglietta J., Pekcec, A.,** Tillmanns J., Bauersachs J., Giannitsis E., Pich A., Wollert K.C.

Source(s): Analytical chemistry. 91 (2) (pp 1302-1308), 2019. Date of Publication: 15 Jan 2019.

- **Application of Mitra microsampling for pharmacokinetic bioanalysis of monoclonal antibodies in rats.**

Author(s): **Li H., Bigwarfe T.J., Myzithras M, Waltz E, Ahlberg J.**

Source(s): Bioanalysis. 11(1):13-20, 2019 Jan.

- **Targeted Synthesis of Complex Spiro[3H-indole-3,2'-pyrrolidin]-2(1H)-ones by Intramolecular Cyclization of Azomethine Ylides: Highly Potent MDM2-p53 Inhibitors**

Author(s): **Gollner, A., Weinstabl H, Fuchs, Julian E., Rudolph, Dorothea, Garavel, Geraldine, Hofbauer, Karin S., Karolyi-Oezguer J, Gmaschitz, Gerhard, Hela, Wolfgang, Kerres, Nina, Grondal, Elisabeth, Werni, Patrick, Ramharter J, Broeker, Joachim, McConnell, Darryl B.**

Source(s): ChemMedChem. 14(1). JAN 8 2019. 88-93.

- **Phase I Study of BI 853520, an Inhibitor of Focal Adhesion Kinase, in Patients with Advanced or Metastatic Nonhematologic Malignancies.**

Author(s): de Jonge M.J.A., Steeghs N, Lolkema M.P., Hotte S.J., Hirte H.W., van der Biessen D.A.J., Abdul Razak A.R., De Vos F.Y.F.L., Verheijen R.B., **Schnell D., Pronk L.C., Jansen M., Siu LL**

Source(s): Targeted Oncology. (no pagination), 2019. Date of Publication: 2019.

- **In Vivo Stability Profiles of Anti-factor D Molecules Support Long-Acting Delivery Approaches.**

Author(s): Loyet K.M., Hass P.E., Sandoval W.N., Morando A., Liu P., Shatz W., Dickmann L., Kenrick M., Good J., Davancaze T., Morimoto A.M., Kelley R.F., **Scheer JM**

Source(s): Molecular Pharmaceutics. 16 (1) (pp 86-95), 2019. Date of Publication: 07 Jan 2019.

- **Establishment and characterisation of a stavudine (d4T)-induced rat model of antiretroviral toxic neuropathy (ATN) using behavioural and pharmacological methods.**

Author(s): Kuo A., **Nicholson, Janet, Corradini, Laura**, Smith M.T.

Source(s): Inflammopharmacology. (no pagination), 2019. Date of Publication: 2019.

- **Multi-task generative topographic mapping in virtual screening.**

Author(s): **Lin A.**, Horvath D., Marcou G., **Beck B.**, Varnek A.

Source(s): Journal of Computer-Aided Molecular Design. (no pagination), 2019. Date of Publication: 2019.

- **PingPongPro: a tool for the detection of piRNA-mediated transposon-silencing in small RNA-Seq data.**

Author(s): Uhrig S., **Klein H**

Source(s): Bioinformatics (Oxford, England). 35 (2) (pp 335-336), 2019. Date of Publication: 15 Jan 2019.

- **Urinary Proteomics as a Tool to Identify Kidney Responders to Dipeptidyl Peptidase-4 Inhibition: A Hypothesis-Generating Analysis from the MARLINA-T2D Trial.**

Author(s): Siwy J., **Klein, T.**, Rosler M., **Von Eynatten M.**

Source(s): Proteomics - Clinical Applications. (no pagination), 2019. Article Number: 1800144. Date of Publication: 2019.

- **Therapeutic impact of Nintedanib with paclitaxel and/or a PD-L1 antibody in preclinical models of orthotopic primary or metastatic triple negative breast cancer.**

Author(s): Reguera-Nunez E., Xu P., Chow A., Man S., **Hilberg F.**, Kerbel R.S.

Source(s): Journal of Experimental and Clinical Cancer Research. 38 (1) (no pagination), 2019. Article Number: 16. Date of Publication: 11 Jan 2019.

- **Roux-en-Y gastric bypass surgery reprograms enterocyte triglyceride metabolism and postprandial secretion in rats.**

Author(s): Kaufman S., Arnold M., Diaz A.A., **Neubauer, H.**, Wolfrum S., Kofeler H., Langhans W., Krieger J.-P.

Source(s): Molecular Metabolism. (no pagination), 2019. Date of Publication: 2019.

- **PREDECT Protocols for Complex 2D/3D Cultures.**

Author(s): Vidic S, Estrada MF, Gjerde K, Santo VE, **Osswald A.**, Barbier M, Chong YT, **Sommergruber W.**, de Hoogt R, Brito C, **Graeser R**

Source(s): Methods in Molecular Biology. 1888:1-20, 2019.

- **Inhibitors of Aldosterone Synthase.**

Author(s): **Weldon S.M., Brown NF**

Source(s): Vitamins and hormones. 109 (pp 211-239), 2019. Date of Publication: 2019.

- **Chemical Derivatization Enables MALDI-TOF-Based High-Throughput Screening for Microbial Trimethylamine (TMA)-Lyase Inhibitors.**

Author(s): **Winter M., Bretschneider T, Thamm S., Kleiner C., Grabowski D., Chandler S., Ries R., Kley JT, Fowler D., Bartlett C., Binetti R., Broadwater J., Luippold A, Bischoff D, Buttner F.H.**

Source(s): SLAS Discovery. (no pagination), 2019. Date of Publication: 2019.

- **Randomized, Open-Label, Crossover Studies Evaluating the Effect of Food and Liquid Formulation on the Pharmacokinetics of the Novel Focal Adhesion Kinase (FAK) Inhibitor BI 853520.**

Author(s): Verheijen R.B., van der Biessen D.A.J., Hotte S.J., Siu LL, Spreafico A., de Jonge M.J.A., **Pronk L.C.**, De Vos F.Y.F.L., **Schnell D.**, Hirte H.W., Steeghs N, Lolkema M.P.

Source(s): Targeted Oncology. (no pagination), 2019. Date of Publication: 2019.

- **Ordino: a visual cancer analysis tool for ranking and exploring genes, cell lines, and tissue samples.**

Author(s): Streit M, Gratzl S, Stitz H, **Wernitznig, A.**, **Zichner T**, **Haslinger C**

Source(s): Bioinformatics. 2019 Jan 18.

- **RapidFire BLAZE-Mode Is Boosting ESI-MS Toward High-Throughput-Screening.**

Author(s): **Bretschneider T**, **Ozbal C.**, **Holstein M.**, **Winter M.**, **Buettner F.H.**, **Thamm S.**, **Bischoff D**, **Luippold A**

Source(s): SLAS Technology. (no pagination), 2019. Date of Publication: 2019.

Impact Factor: 2.632

- **Psoriatic skin molecular and histopathologic profiles after treatment with risankizumab versus ustekinumab.**

Author(s): **Visvanathan S.**, **Baum P.**, **Vinisko R.**, **Schmid, Ramona**, **Flack M**, **Lalovic**, **Bojan**, **Kleiner O**, Fuentes-Duculan J., Garcet S., Davis J.W., Grebe K.M., **Fine J.S.**, **Padula S.**, Krueger J.G.

Source(s): Journal of Allergy and Clinical Immunology. (no pagination), 2019. Date of Publication: 2019.

- **Enhancing Drug Residence Time by Shielding of Intra-Protein Hydrogen Bonds: A Case Study on CCR2 Antagonists**

Author(s): **Magarkar A.**, **Schnapp G.**, **Apel A.K.**, **Seeliger, D.**, **Tautermann C.S.**

Source(s): ACS Medicinal Chemistry Letters, 10, 3, 324-328

- **Handling forces for the use of different inhaler devices.**

Author(s): Ciciliani AM, Langguth P, **Wachtel H.**

Source(s): International Journal of Pharmaceutics. 560 (pp 315-321), 2019

- **Future Research Goals in Immunotherapy.**

Author(s): Hulett T.W., Fox B.A., **Messenheimer D.J.**, Marwitz S., Moudgil T., Afentoulis M.E., Wegman K.W., Ballesteros-Merino C., Jensen S.M.

Source(s): Surgical Oncology Clinics of North America. (no pagination), 2019. Date of Publication: 2019.

- **Mechanisms of GLP-1 receptor-independent renoprotective effects of the dipeptidyl peptidase type 4 inhibitor linagliptin in GLP-1 receptor knockout mice with 5/6 nephrectomy.**

Author(s): Hasan A.A., von Websky K., Reichetzedler C., Tsuprykov O., Gaballa M.M.S., Guo J., Zeng S., **Delic D.**, Tammen H., **Klein, T.**, Kleuser B., Hocher B.

Source(s): Kidney International. (no pagination), 2019. Date of Publication: 2019.

- **Intravenous delivery of the toll-like receptor 7 agonist SC1 confers tumor control by inducing a CD8+ T cell response.**

Author(s): Vascotto F., **Petschenka J.**, Walzer K.C., Vormehr M., Brkic M., Strobl S., Rosemann R., Diken M., Kreiter S., Tureci O., Sahin U.

Source(s): OncoImmunology. (no pagination), 2019. Date of Publication: 2019.

- **Dipeptidyl Peptidase-4 Inhibitors for the Potential Treatment of Brain Disorders; A Mini-Review With Special Focus on Linagliptin and Stroke. [Review]**

Author(s): Darsalia V, **Johansen O.E.**, Lietzau G, Nystrom T, **Klein, T.**, Patrone C

Source(s): Frontiers in neurology [electronic resource].. 10:493, 2019.

- **Differentiation of hips cells into definitive endoderm for high-throughput screening.**

Author(s): **Bluhmki T, Traub S., Schruf E., Garnett JP, Gantner, F., Bischoff D, Heilker R.**

Source(s): Methods in Molecular Biology. 1994 (pp 101-115), 2019. Date of Publication: 2019.

- **hiPS cell-derived neurons for high-throughput screening.**

Author(s): **Traub S., Heilker R.**

Source(s): Methods in Molecular Biology. 1994 (pp 243-263), 2019. Date of Publication: 2019.

- **Assessing neuronal excitability on a fluorometric imaging plate reader (FLIPR) following a defined electrostimulation paradigm.**

Author(s): **Kizner V., Fischer S, Jahnke B., Naujock M.**

Source(s): Methods in Molecular Biology. 1994 (pp 219-226), 2019. Date of Publication: 2019.

- **Multielectrode array (MEA)-based detection of spontaneous network activity in human iPSC-derived cortical neurons.**

Author(s): **Kizner V., Fischer S, Naujock M.**

Source(s): Methods in Molecular Biology. 1994 (pp 209-216), 2019. Date of Publication: 2019.

- **BAF complex vulnerabilities in cancer demonstrated via structure-based PROTAC design.**

Author(s): Farnaby W., Koegl M., Roy M.J., Whitworth C., Diers E., Trainor N., Zollman D., Steurer, Steffen, Karolyi-Oezguer J, Riedmueller C., Gmaschitz T., Wachter J., Dank C., Galant M., Sharps B., Rumpel K, Traxler E., Gerstberger T, Schnitzer R, Petermann O., Greb P., Weinstabl H, Bader, Gerd, Zoephel A., Weiss-Puxbaum A., Ehrenhofer-Wolfer K., Wohrle S, Boehmelt G., Rinnenthal J, Arnhof H., Wiechens N., Wu M.-Y., Owen-Hughes T., Ettmayer P, Pearson M., McConnell D.B., Ciulli A.

Source(s): Nature Chemical Biology. (no pagination), 2019. Date of Publication: 2019.

- **Variability of non-clinical behavioral CNS safety assessment: An intercompany comparison.**

Author(s): Himmel H.M., Delaunois A., Deurinck M., Dinklo T., Eriksson Faelker T.M., Habermann C., Heers C., Hempel K., Lorenz H., **Rosch A., Schauerte H.**, Teuns G., Traebert M., van Amsterdam C., van der Linde H.

Source(s): Journal of Pharmacological and Toxicological Methods. (no pagination), 2019. Date of Publication: 2019.

- **Identification of novel azaindazole CCR1 antagonist clinical candidates.**

Author(s): **Harcken, C., Kuzmich, Daniel, Cook B.N., Mao C, Disalvo D., Razavi H, Swinamer A, Liu P., Zhang Q., Kukulka A., Skow D.J., Patel M., Patel M., Fletcher K, Sherry T, Joseph, David, Smith DM, Canfield M, Souza D, Bogdanffy M, Berg, Karen, Brown M**

Source(s): Bioorganic & Medicinal Chemistry Letters. 2018 Dec 13.

- **Targeted Synthesis of Complex Spiro[3H-indole-3,2'-pyrrolidin]-2(1H)-ones by Intramolecular Cyclization of Azomethine Ylides: Highly Potent MDM2-p53 Inhibitors.**

Author(s): **Gollner A., Weinstabl H, Fuchs JE, Rudolph D, Garavel G, Hofbauer KS, Karolyi-Oezguer J, Gmaschitz G, Hela W, Kerres N, Grondal E, Werni P, Ramharter J, Broeker J, McConnell D.B.**

Source(s): ChemMedChem. 2018 Nov 20.

- **The FAK inhibitor BI 853520 inhibits spheroid formation and orthotopic tumor growth in malignant pleural mesothelioma.**

Author(s): Laszlo V, Valko Z, Ozsvar J, Kovacs I, Garay T, Hoda MA, Klikovits T, Stockhammer P, Aigner C, Groger M, Klepetko W, Berger W, Grusch M, Tovari J, **Waizenegger I.C., Dome B, Hegedus B**

Source(s): Journal of Molecular Medicine. 2018 Dec 11.

- **Engineering Salt Bridge Networks between Transmembrane Helices Confers Thermostability in G-Protein-Coupled Receptors.**

Author(s): Ghosh S., **Bierig T**, Lee, S., Jana S, Lohle A., **Schnapp G.**, **Tautermann C.S.**, Vaidehi N

Source(s): Journal of Chemical Theory & Computation. 2018 Nov 06.

- **An unexpected switch in peptide binding mode: from simulation to substrate specificity.**

Author(s): Kahler U., **Fuchs JE**, Goettig P., Liedl K.R.

Source(s): Journal of Biomolecular Structure and Dynamics. 36 (15) (pp 4072-4084), 2018. Date of Publication: 18 Nov 2018.

- **Evaluation of Pharmacokinetics and Pharmacodynamics of BI 425809, a Novel GlyT1 Inhibitor: Translational Studies**

Author(s): **Rosenbrock, Holger, Desch, Michael, Kleiner, Oliver, Dorner-Ciossek, Cornelia, Schmid, Bernhard, Keller, Sascha, Schlecker, Christina, Moschetti, Viktoria, Goetz, Sophia, Liesenfeld K.H., Fillon, Gwenaelle, Giovannini, Riccardo**, Ramael S, **Wunderlich, Glen, Wind, Sven**

Source(s): CTS-Clinical & Translational Science. 11(6). NOV 2018. 616-623.

- **Ambient pollution-related reprogramming of the human small airway epithelial transcriptome.**

Author(s): O'Beirne S.L., Shenoy S.A., Salit J., Strulovici-Barel Y., Kaner R.J., **Visvanathan S.**, **Fine J.S.**, Mezey J.G., Crystal R.G.

Source(s): American Journal of Respiratory and Critical Care Medicine. 198 (11) (pp 1413-1422), 2018. Date of Publication: 01 Dec 2018.

- **GDF11 Decreases Pressure Overload-Induced Hypertrophy, but Can Cause Severe Cachexia and Premature Death.**

Author(s): Harper SC, Johnson J, Borghetti G., Zhao H., Wang T., Wallner M., Kubo H., Feldsott E.A., Yang Y., Joo Y., Gou X., Sabri A.K., **Gupta P.**, **Myzithras M**, **Khalil A**, **Franti M.**, Houser SR

Source(s): Circulation research. 123 (11) (pp 1220-1231), 2018. Date of Publication:

09 Nov 2018.

- **FKBP51 modulates steroid sensitivity and NFkappaB signalling: A novel anti-inflammatory drug target.**

Author(s): **Kastle M., Kistler B., Lamla T., Bretschneider T, Lamb, David, Nicklin P, Wyatt D.**

Source(s): European Journal of Immunology. 48 (11) (pp 1904-1914), 2018. Date of Publication: November 2018.

- **Macrophage-derived IL-1beta/NF-kappaB signaling mediates parenteral nutrition-associated cholestasis.**

Author(s): **El Kasmi K.C.,** Vue P.M., Anderson A.L., Devereaux M.W., Ghosh S., Balasubramaniyan N., Fillon S.A., Dahrenmoeller C., Allawzi A., Woods C., McKenna S., Wright C.J., Johnson L., D'Alessandro A., Reisz J.A., Nozik-Grayck E., Suchy F.J., Sokol R.J.

Source(s): Nature Communications. 9 (1) (no pagination), 2018. Article Number: 1393. Date of Publication: 01 Dec 2018.

- **Impaired DNA damage response signaling by FUS-NLS mutations leads to neurodegeneration and FUS aggregate formation.**

Author(s): Naumann M., Pal A., Goswami A., Lojewski X., Japtok J., Vehlow A., **Naujock M.**, Gunther R., Jin M., Stanslowsky N., Reinhardt P., Sternecker J., Frickenhaus M., Pan-Montojo F., Storkebaum E., Poser I., Freischmidt A., Weishaupt J.H., Holzmann K., Troost D., Ludolph A.C., Boeckers TM, Liebau S., Petri S., Cordes N., Hyman A.A., Wegner F., Grill S.W., Weis J., Storch A., Hermann A.

Source(s): Nature Communications. 9 (1) (no pagination), 2018. Article Number: 335. Date of Publication: 01 Dec 2018.

- **Mechanistic study on hydrodynamics in the mini-scale biphasic dissolution model and its influence on in vitro dissolution and partitioning.**

Author(s): **Locher K., Borghardt JM, Wachtel H., Schaefer K.J.,** Wagner K.G.

Source(s): European Journal of Pharmaceutical Sciences. 124 (pp 328-338), 2018. Date of Publication: 1 November 2018.

- **The PPARGC1A locus and CNS-specific PGC-1alpha isoforms are associated with Parkinson's Disease.**

Author(s): Soyal S.M., Zara G., **Ferger, B.**, Felder T.K., Kwik M., Nofziger C., Dossena S., Schwienbacher C., Hicks A.A., Pramstaller P.P., Paulmichl M., Weis S., Patsch W.

Source(s): Neurobiology of Disease. 121 (pp 34-46), 2019. Date of Publication: January 2019.

- **BTK inhibition ameliorates kidney disease in spontaneous lupus nephritis.**

Author(s): Chalmers S.A., Glynn E, Garcia S.J., **Panzenbeck, Mark, Pelletier, Josephine, Dimock J., Seccareccia E, Bosanac T., Khalil S, Harcken, Christian, Webb D., Nabozny G.H., Fine J.S., Souza, Donald, Klein E., Herlitz L., Ramanujam M., Putterman C.**

Source(s): Clinical Immunology. 197 (pp 205-218), 2018. Date of Publication: December 2018.

- **Crystal Structure of CC Chemokine Receptor 2A in Complex with an Orthosteric Antagonist Provides Insights for the Design of Selective Antagonists.**

Author(s): **Apel AK,** Cheng RKY, **Tautermann C.S.,** Brauchle M, Huang CY, **Pautsch A.,** Hennig M, **Nar, H., Schnapp G.**

Source(s): Structure. 2018 Nov 12.

- **Psoriatic skin molecular and histopathological profiles following treatment with risankizumab versus ustekinumab.**

Author(s): **Visvanathan S., Baum P., Vinisko R., Schmid, Ramona, Flack M, Lalovic, Bojan, Kleiner O,** Fuentes-Duculan J, Garcet S, Davis JW, Grebe KM, **Fine J.S., Padula S.,** Krueger JG

Source(s): Journal of Allergy & Clinical Immunology. 2018 Dec 19.

- **Urinary cytokine profile to predict response to intravesical BCG with or without HS-410 therapy in patients with non-muscle invasive bladder cancer.**

Author(s): Salmasi A, Elashoff DA, Guo R, Upfill-Brown A, Rosser CJ, Rose JM, **Giffin LC,** Gonzalez LE, Chamie K

Source(s): Cancer Epidemiology, Biomarkers & Prevention. 2018 Dec 28.

- **Inhibiting Interleukin 36 Receptor Signaling Reduces Fibrosis in Mice with Chronic Intestinal Inflammation.**

Author(s): Scheibe K, Kersten C, Schmied A, Vieth M, Primbs T, Carle B, Knieling F, Claussen J, **Klimowicz A.C., Zheng J, Baum P.**, Meyer S, Schurmann S, Friedrich O, Waldner MJ, Rath T, Wirtz S, Kollias G, Ekici AB, Atreya R, **Raymond E, Mbow M.L.**, Neurath MF, Neufert C

Source(s): Gastroenterology. 2018 Nov 16.

- **Age-related declines in alpha-Klotho drive progenitor cell mitochondrial dysfunction and impaired muscle regeneration.**

Author(s): Sahu A., Mamiya H., Shinde S.N., Cheikhi A., Winter L.L., Vo N.V., Stolz D., Roginskaya V., Tang W.Y., St Croix C., Sanders L.H., **Franti M.**, Van Houten B., Rando T.A., Barchowsky A., Ambrosio F.

Source(s): Nature communications. 9 (1) (pp 4859), 2018. Date of Publication: 19 Nov 2018.

- **An RORgammat oral inhibitor modulates IL-17 responses in peripheral blood and intestinal mucosa of Crohn's disease patients.**

Author(s): Bassolas-Molina H., **Raymond E, Labadia M**, Wahle J., Ferrer-Picon E., **Panzenbeck, Mark, Zheng, Jie J., Harcken, Christian, Hughes RO, Turner M, Smith DM**, Calderon-Gomez E., Esteller M., Carrasco A., Esteve M., Dotti I., Corraliza A.M., Masamunt M.C., Arajol C., Guardiola J., Ricart E., **Nabozny G.H.**, Salas A.

Source(s): Frontiers in Immunology. 9 (OCT) (no pagination), 2018. Article Number: 2307. Date of Publication: 22 Oct 2018.

- **Renal compartment-specific genetic variation analyses identify new pathways in chronic kidney disease.**

Author(s): Qiu C, Huang S, Park J, Park Y, Ko YA, Seasock MJ, Bryer JS, Xu XX, Song WC, Palmer M, **Hill, J. D., Guarnieri P, Hawkins J, Boustany-Kari C.M., Pullen S.S.**, Brown CD, Susztak K

Source(s): Nature Medicine. 2018 Oct 01.

- **Discovery and Structure-Based Optimization of Benzimidazole-Derived Activators of SOS1-Mediated Nucleotide Exchange on RAS.**

Author(s): Hodges TR, Abbott JR, Little AJ, Sarkar D, Salovich JM, Howes JE, Akan DT, Sai J, Arnold AL, Browning C, Burns MC, Sobolik T, Sun Q, Beesetty Y, Coker JA, **Scharn D., Stadtmueller H**, Rossanese OW, Phan J, Waterson AG, **McConnell D.B.**, Fesik SW

Source(s): Journal of Medicinal Chemistry. 2018 Sep 28.

- **Non-neutralizing antibodies increase endogenous circulating Ang1 levels.**

Author(s): **Zheng C, Toth J, Bigwarfe T.J., MacDougall M, Jerath K, Bovat K, Smith J., Sun P, Hayes D.B., Fryer R, Singh S., Kroe-Barrett R.**

Source(s): mAbs. 2018 Sep 10.

- **SGLT6 - A pharmacological target for the treatment of obesity?.**

Author(s): **Baader-Pagler T, Eckhardt M., Himmelsbach F., Sauer A., Stierstorfer B., Hamilton B.S.**

Source(s): Adipocyte. 2018 Aug 30.

- **Temporal Regulation of the Bacterial Metabolite Deoxycholate during Colonic Repair Is Critical for Crypt Regeneration.**

Author(s): Jain U, Lai CW, Xiong S, Goodwin VM, Lu Q, Muegge BD, Christophi GP, VanDussen KL, Cummings BP, **Young E, Hambor J**, Stappenbeck TS

Source(s): Cell Host & Microbe. 24(3):353-363.e5, 2018 Sep 12.

- **Design and characterization of Zweimab and Doppelmab, high affinity dual antagonistic anti-TSLP/IL13 bispecific antibodies.**

Author(s): **Venkataramani S., Low S, Weigle B., Dutcher D., Jerath K., Menzenski M., Frego L., Truncali K, Gupta P., Kroe-Barrett R., Ganesan R, Singh S., Erb, Klaus J.**

Source(s): Biochemical and Biophysical Research Communications. 504 (1) (pp 19-24), 2018. Date of Publication: 26 September 2018.

- **Association of ERBB mutations with clinical outcomes of afatinib-or erlotinib-Treated patients with lung squamous cell carcinoma: Secondary analysis of the LUX-lung 8 randomized clinical trial.**

Author(s): Goss GD, Felip E, Cobo M., Lu S., Syrigos K., Lee KH, Goker E, Georgoulas V, Li W., Guclu S., Isla D, Min YJ, Morabito A, Ardizzoni A, Gadgeel SM, Folop A., **Bohnmann C.**, Gibson N, Kramer N, **Solca F.**, **Cseh A.**, **Ehrnrooth E.**, Soria J.C.

Source(s): JAMA Oncology. 4 (9) (pp 1189-1197), 2018. Date of Publication: September 2018.

- **The Favorable Effect of Empagliflozin on Erectile Function in an Experimental Model of Type 2 Diabetes.**

Author(s): Assaly R., Gorny D., Compagnie S., **Mayoux, E.**, Bernabe J., Alexandre L., Giuliano F., Behr-Roussel D.

Source(s): Journal of Sexual Medicine. 15 (9) (pp 1224-1234), 2018. Date of Publication: September 2018.

- **Comparative analgesic efficacy of pregabalin administered according to either a prevention protocol or an intervention protocol in rats with cisplatin-induced peripheral neuropathy.**

Author(s): Han F.Y., Kuo A., **Nicholson, J.**, **Corradinni L.**, Smith M.T.

Source(s): Clinical and Experimental Pharmacology and Physiology. 45 (10) (pp 1067-1075), 2018. Date of Publication: October 2018.

- **Time-resolved transcriptomics in neural stem cells identifies a v-ATPase/Notch regulatory loop.**

Author(s): Wissel S., Harzer H., Bonnay F., Burkard T.R., **Neumuller R.A.**, Knoblich J.A.

Source(s): Journal of Cell Biology. 217 (9) (pp 3285-3300), 2018. Date of Publication: 01 Sep 2018.

- **Prediction of Compound Profiling Matrices, Part II: Relative Performance of Multitask Deep Learning and Random Forest Classification on the Basis of Varying Amounts of Training Data.**

Author(s): **Rodriguez-Perez R**, Bajorath J
Source(s): ACS Omega. 3(9):12033-12040, 2018 Sep 30.

- **BATLAS: Deconvoluting Brown Adipose Tissue.**

Author(s): Perdikari A., Leparc G.G., Balaz M., Pires N.D., Lidell M.E., Sun W., Fernandez-Albert F., **Muller S**, Akchiche N., Dong H., Balazova L., Opitz L., Roder E., **Klein H**, Stefanicka P., Varga L., Nuutila P., Virtanen K.A., Niemi T., Taittonen M., Rudofsky G., Ukropec J., Enerback S., **Stupka E**, **Neubauer, H.**, Wolfrum C.
Source(s): Cell Reports. 25 (3) (pp 784-797.e4), 2018. Date of Publication: 16 October 2018.

- **In Silico Prediction of Diffusion Interaction Parameter (kD), a Key Indicator of Antibody Solution Behaviors.**

Author(s): Tomar D.S., Singh S.K., Li L., Broulidakis M.P., **Kumar S**.
Source(s): Pharmaceutical Research. 35 (10) (no pagination), 2018. Article Number: 193. Date of Publication: 01 Oct 2018.

- **The FAK inhibitor BI 853520 exerts anti-tumor effects in breast cancer.**

Author(s): Tiede S., Meyer-Schaller N., Kalathur R.K.R., Ivanek R., Fagiani E., Schmassmann P., Stillhard P., Hafliger S., **Kraut, Norbert, Schweifer, Norbert, Waizenegger I.C.**, Bill R., Christofori G.
Source(s): Oncogenesis. 7 (9) (no pagination), 2018. Article Number: 73. Date of Publication: 01 Sep 2018.

- **Smoking-induced control of miR-133a-3p alters the expression of EGFR and HuR in HPV-infected oropharyngeal cancer.**

Author(s): **House R.**, Majumder M., Janakiraman H., Ogretmen B., Kato M., Erkul E., Hill E., Atkinson C., Barth J., Day T.A., Palanisamy V.
Source(s): PLoS ONE. 13 (10) (no pagination), 2018. Article Number: e0205077.
Date of Publication: October 2018.

- **Altered tryptophan catabolite concentrations in major depressive disorder and associated changes in hippocampal subfield volumes.**

Author(s): Doolin K., **Allers, K.A., Pleiner S., Liesener A,** Farrell C., Tozzi L., O'Hanlon E., Roddy D., Frodl T., Harkin A., O'Keane V.

Source(s): Psychoneuroendocrinology. 95 (pp 8-17), 2018. Date of Publication: September 2018.

- **A new telemetry-based system for assessing cardiovascular function in group-housed large animals. Taking the 3Rs to a new level with the evaluation of remote measurement via cloud data transmission.**

Author(s): **Markert M., Trautmann T., Krause F.,** Cioaga M., Mouriot S., **Wetzel M., Guth B.D.**

Source(s): Journal of Pharmacological and Toxicological Methods. 93 (pp 90-97), 2018. Date of Publication: September - October 2018.

- **The research domain criteria framework in drug discovery for neuropsychiatric diseases: focus on negative valence.**

Author(s): **Nicholson, Janet, Sommer B.**

Source(s): Brain and Neuroscience Advances. 2 (no pagination), 2018. Date of Publication: 01 Oct 2018.

- **Dissolution or Disintegration - Substitution of Dissolution by Disintegration Testing for a Fixed Dose Combination Product.**

Author(s): **Grube A, Gerlitzki C, Brendel M**

Source(s): Drug Development & Industrial Pharmacy. 1-24, 2018 Sep 19.

- **A genome-wide Drosophila epithelial tumorigenesis screen identifies Tetraspanin 29Fb as an evolutionarily conserved suppressor of Ras-driven cancer.**

Author(s): Zoranovic T., Manent J., Willoughby L., Matos de Simoes R., La Marca J.E., Golenkina S., Cuiping X., Gruber S., Angjeli B., Kanitz E.E., Cronin S.J.F., Neely G.G., **Wernitznig, A.,** Humbert P.O., Simpson K.J., Mitsiades C.S., Richardson H.E., Penninger J.M.

Source(s): PLoS Genetics. 14 (10) (no pagination), 2018. Article Number: e1007688.

Date of Publication: October 2018.

- **Establishing MALDI-TOF as Versatile Drug Discovery Readout to Dissect the PTP1B Enzymatic Reaction.**

Author(s): Winter M., Bretschneider T, Kleiner C., Ries R., Hehn J.P., Redemann N., Luippold A, Bischoff D, Buttner F.H.

Source(s): SLAS Discovery. 23 (6) (pp 561-573), 2018. Date of Publication: 01 Jul 2018.

- **Ventral Striatal D-2/3 Receptor Availability Is Associated with Impulsive Choice Behavior As Well As Limbic Corticostriatal Connectivity**

Author(s): Barlow, Rebecca L., Gorges, Martin, Wearn, Alfie, Niessen H.G., Kassubek, Jan, Dalley, Jeffrey W., Pekcec, Anton

Source(s): International Journal of Neuropsychopharmacology. 21(7). JUL 2018. 705-715.

- **Structure activity relationship studies on rhodanines and derived enethiol inhibitors of metallo-beta-lactamases.**

Author(s): Zhang D., Markoulides M.S., Stepanovs D., Rydzik A.M., El-Hussein A., Bon C., Kamps J.J.A.G., Umland K.-D., Collins P.M., Cahill S.T., Wang D.Y., von Delft F., Brem J., McDonough M.A., Schofield C.J.

Source(s): Bioorganic and Medicinal Chemistry. 26 (11) (pp 2928-2936), 2018. Date of Publication: 15 July 2018.

- **Targeting the dopamine D1 receptor or its downstream signalling by inhibiting phosphodiesterase-1 improves cognitive performance.**

Author(s): Pekcec, A., Schulert N., Stierstorfer B., Deiana S., Dorner-Ciossek, C., Rosenbrock, H.

Source(s): British Journal of Pharmacology. 175(14):3021-3033, 2018 Jul.

- **Automated MALDI Target Preparation Concept: Providing Ultra-High-Throughput Mass Spectrometry-Based Screening for Drug Discovery.**

Author(s): Winter M, Ries R, Kleiner C, Bischoff D, Luippold A, Bretschneider T, Buttner FH

Source(s): SLAS Technology. 2472630318791981, 2018 Aug 03.

- **Selective IL-23 inhibition by risankizumab modulates the molecular profile in the colon and ileum of patients with active Crohn's disease: Results from a randomised phase II biopsy substudy.**

Author(s): Visvanathan S., Baum P., Salas A, Vinisko R., Schmid, Ramona, Grebe KM, Davis JW, Wallace K, Boecher, Wulf O., Padula S., Fine J.S., Panes J

Source(s): Journal of Crohn's & colitis. 2018 Jul 19.

- **Organic anion transporter OAT3 enhances the glucosuric effect of the SGLT2 inhibitor empagliflozin.**

Author(s): Fu Y., Breljak D, Onishi A, Batz F, Patel R, Huang W, Song P, Freeman B, **Mayoux, E.**, Koepsell H, Anzai N, Nigam SK, Sabolic I, Vallon V

Source(s): American Journal of Physiology - Renal Physiology. 315(2):F386-F394, 2018 Aug 01.

- **AUC measurements of diffusion coefficients of monoclonal antibodies in the presence of human serum proteins.**

Author(s): Wright R.T., **Hayes D.B.**, Sherwood P.J., Stafford W.F., Correia J.J.

Source(s): European Biophysics Journal. (pp 1-14), 2018. Date of Publication: 12 Jul 2018.

- **Noelin1 Affects Lateral Mobility of Synaptic AMPA Receptors.**

Author(s): Pandya N.J., Seeger C., Babai N., Gonzalez-Lozano M.A., **Mack V.**, Lodder J.C., Gouwenberg Y., Mansvelder H.D., Danielson U.H., Li K.W., Heine M., Spijker S., Frischknecht R., Smit A.B.

Source(s): Cell Reports. 24 (5) (pp 1218-1230), 2018. Date of Publication: 31 July 2018.

- **A comprehensive analysis of auditory event-related potentials and network oscillations in an NMDA receptor antagonist mouse model using a novel wireless recording technology.**

Author(s): Schuelert N., Dorner-Ciossek, Cornelia, Brendel M, Rosenbrock, Holger

Source(s): Physiological Reports. 6 (16) (no pagination), 2018. Article Number: e13782. Date of Publication: August 2018.

- **Deep neural network based histological scoring of lung fibrosis and inflammation in the mouse model system.**

Author(s): Heinemann F., Birk G, Schoenberger T, Stierstorfer B.

Source(s): PLoS ONE. 13 (8) (no pagination), 2018. Article Number: e0202708. Date of Publication: August 2018.

- **Structural and Functional Features of the Reovirus sigma1 Tail.**

Author(s): Dietrich M.H., Ogden K.M., Long J.M., Ebenhoch R., Thor A., Dermody T.S., Stehle T.

Source(s): Journal of Virology. 92 (14) (no pagination), 2018. Article Number: e00336-18. Date of Publication: 01 Jul 2018.

- **Glycemic control by the SGLT2 inhibitor empagliflozin decreases aortic stiffness, renal resistivity index and kidney injury.**

Author(s): Aroor A.R., Das N.A., Carpenter A.J., Habibi J., Jia G., Ramirez-Perez F.I., Martinez-Lemus L., Manrique-Acevedo C.M., Hayden M.R., Duta C., Nistala R., Mayoux, E., Padilla J., Chandrasekar B., DeMarco V.G.

Source(s): Cardiovascular Diabetology. 17 (1) (no pagination), 2018. Article Number: 108. Date of Publication: 30 Jul 2018.

- **The initiation, but not the persistence, of experimental spondyloarthritis is dependent on interleukin-23 signaling.**

Author(s): van Tok M.N., Na S., Lao C.R., Alvi M., Pots D., van de Sande M.G.H., Taurog J.D., Sedgwick J.D., Baeten D.L., van Duivenvoorde L.M.

Source(s): Frontiers in Immunology. 9 (JUL) (no pagination), 2018. Article Number:

1550. Date of Publication: 09 Jul 2018.

- **Linagliptin unmasks specific antioxidant pathways protective against albuminuria and kidney hypertrophy in a mouse model of diabetes.**

Author(s): Spencer N.Y., Yang Z, Sullivan J.C., **Klein, T.**, Stanton R.C.

Source(s): PLoS ONE. 13 (7) (no pagination), 2018. Article Number: e0200249. Date of Publication: July 2018.

- **PK/PD-based adaptive tailoring of oseltamivir doses to treat within-host influenza viral infections.**

Author(s): Montaseri G, **Boianelli A**, Hernandez-Vargas EA, Meyer-Hermann M

Source(s): Progress in Biophysics & Molecular Biology. 2018 Jul 18.

- **Age-dependent neurodegeneration and organelle transport deficiencies in mutant TDP43 patient-derived neurons are independent of TDP43 aggregation.**

Author(s): Kreiter N., Pal A., Lojewski X., Corcia P., **Naujock M.**, Reinhardt P., Sternecker J., Petri S., Wegner F., Storch A., Hermann A.

Source(s): Neurobiology of Disease. 115 (pp 167-181), 2018. Date of Publication: July 2018.

- **The evaluation of endpoint variability and implications for study statistical power and sample size in conscious instrumented dogs.**

Author(s): Chiang A.Y., **Guth B.D.**, Pugsley M.K., Foley C.M., Doyle J.M., Engwall M.J., Koerner J.E., Parish S.T., Dustan Sarazan R.

Source(s): Journal of Pharmacological and Toxicological Methods. 92 (pp 43-51), 2018. Date of Publication: July 2018.

- **Increased oxidative stress exacerbates alpha-synuclein aggregation in vivo.**

Author(s): **Scudamore O.**, Ciossek T.

Source(s): Journal of Neuropathology and Experimental Neurology. 77 (6) (pp 443-453), 2018. Date of Publication: 01 Jun 2018.

- **Late-Stage Functionalization of Drug-Like Molecules Using Diversinates.**

Author(s): **Kuttruff C.A., Haile M., Kraml J., Tautermann C.S.**

Source(s): ChemMedChem. 13 (10) (pp 983-987), 2018. Date of Publication: 23 May 2018.

- **Universal response in the RKO colon cancer cell line to distinct antimetabolic therapies.**

Author(s): Lorz A, **Botesteanu DA**, Levy D

Source(s): Scientific Reports. 8(1):8979, 2018 Jun 12.

- **SLAM-seq defines direct gene-regulatory functions of the BRD4-MYC axis.**

Author(s): Muhar M, Ebert A., Neumann T., Umkehrer C., Jude J., **Wieshofer C., Rescheneder P.**, Lipp J.J., Herzog V.A., Reichholf B., Cisneros D.A., Hoffmann T., Schlapansky M.F., Bhat P., Von Haeseler A., Kocher T., Obenauf A.C., **Popow J**, Ameres S.L., **Zuber, J.**

Source(s): Science. 360 (6390) (pp 800-805), 2018. Date of Publication: 18 May 2018.

- **RIOK1 kinase activity is required for cell survival irrespective of MTAP status.**

Author(s): **Hormann A., Hopfgartner B., Kocher T., Corcokovic M., Krammer T., Reiser C., Bader, G., Shi J., Ehrenhofer K., Wohrle S, Schweifer, N. Vakoc C.R., Kraut, N., Pearson M., Petronczki M., Neumuller R.A.**

Source(s): Oncotarget. 9 (47) (pp 28625-28637), 2018. Date of Publication: 19 Jun 2018.

- **Quantitative proteomics and systems analysis of cultured H9C2 cardiomyoblasts during differentiation over time supports a 'function follows form' model of differentiation.**

Author(s): Kankeu C, Clarke K, Van Haver D, Gevaert K, Impens F, Dittrich A, Roderick HL, Passante E, **Huber HJ**

Source(s): Molecular Omics. 2018 May 17.

- **Nintedanib is active in malignant pleural mesothelioma cell models and inhibits angiogenesis and tumor growth in vivo.**

Author(s): Laszlo V, Valko Z, Kovacs I, Ozsvar J, Hoda MA, Klikovits T, Lakatos D, Czirik A, Garay T, Stiglbauer A, Helbich TH, Groger M, Tovari J, Klepetko W, Pirker C, Grusch M, Berger W, **Hilberg F.**, Hegedus B, Dome B
Source(s): Clinical Cancer Research. 2018 May 03.

- **A decade in the MIST: Learnings from investigations of drug metabolites in drug development under the "metabolites in safety testing" regulatory guidance.**

Author(s): **Schadt S., Bister B,** Chowdhury S.K., Funk C., Hop C.E.C.A., Humphreys W.G., Igarashi F., Alexander D.J., Kagan M., Khojasteh S.C., Nedderman A.N.R., Prakash C., **Runge, Frank,** Scheible H., Spracklin D.K., Swart P., Tse S., **Yuan J.,** Obach R.S.
Source(s): Drug Metabolism and Disposition. 46 (6) (pp 865-878), 2018. Date of Publication: June 2018.

- **Peptidic Macrocycles - Conformational Sampling and Thermodynamic Characterization.**

Author(s): Kamenik AS, Lessel U, **Fuchs JE, Fox, Thomas,** Liedl KR
Source(s): Journal of Chemical Information & Modeling. 58(5):982-992, 2018 May 29.

- **The application of STEP-technology for particle and protein dispersion detection studies in biopharmaceutical research.**

Author(s): Gross-Rother J., Herrmann N., **Blech M.,** Pinnapireddy S.R., **Garidel, Patrick,** Bakowsky U.
Source(s): International Journal of Pharmaceutics. 543 (1-2) (pp 257-268), 2018. Date of Publication: 30 May 2018.

- **Discovery of Highly Isoform Selective Orally Bioavailable Phosphoinositide 3-Kinase (PI3K)-gamma Inhibitors.**

Author(s): Pemberton N., Mogemark M., Arlbrandt S., Bold P., Cox R.J., Gardelli C., Holden N.S., Karabelas K., Karlsson J., Lever S., Li, X., Lindmark H., Norberg M., Perry M.W.D., Petersen J., Blomqvist S.R., **Thomas M**, Tyrchan C., Eriksson A.W., Zlatoidsky P., Oster L.

Source(s): Journal of Medicinal Chemistry. 61 (12) (pp 5435-5441), 2018. Date of Publication: 28 Jun 2018.

- **PU.1 is required for the developmental progression of multipotent progenitors to common lymphoid progenitors.**

Author(s): Pang S.H.M., de Graaf C.A., Hilton D.J., Huntington N.D., **Carotta S.**, Wu L.H., Nutt S.L.

Source(s): Frontiers in Immunology. 9 (JUN) (no pagination), 2018. Article Number: 1264. Date of Publication: 11 Jun 2018.

- **RNAi screening identifies a mechanosensitive ROCK-JAK2- STAT3 network central to myofibroblast activation.**

Author(s): Oh R.S., Haak A.J., Smith K.M.J., Ligresti G., Choi K.M., Xie T., Wang, S., Walters P.R., Thompson M.A., Freeman M.R., Manlove L.J., Chu V.M., Feghali-Bostwick C., Roden A.C., **Schymeinsky J.**, Pabelick C.M., Prakash Y.S., Vassallo R., Tschumperlin D.J.

Source(s): Journal of Cell Science. 131 (10) (no pagination), 2018. Article Number: jcs209932. Date of Publication: 15 May 2018.

- **The somatostatin receptor-4 agonist J-2156 alleviates mechanical hypersensitivity in a rat model of breast cancer induced bone pain.**

Author(s): Shenoy P.A., Kuo A., Khan N., **Gorham L., Nicholson, J., Corradini, L., Vetter I., Smith M.T.**

Source(s): Frontiers in Pharmacology. 9 (MAY) (no pagination), 2018. Article Number: 495. Date of Publication: 15 May 2018.

- **Interleukin-1alpha mediates ozone-induced myeloid differentiation factor-88-dependent epithelial tissue injury and inflammation.**

Author(s): Michaudel C., Maillet I., Fauconnier L., Quesniaux V., Chung K.F., Wiegman C., **Peter D.**, Ryffel B.

Source(s): Frontiers in Immunology. 9 (MAY) (no pagination), 2018. Article Number: 916. Date of Publication: 07 May 2018.

- **Expansion of DUB functionality generated by alternative isoforms - USP35, a case study.**

Author(s): Leznicki P., Natarajan J., **Bader, G., Spevak W., Schlattl A**, Rehman S.A.A., Pathak D., Weidlich S., **Zoephel A.**, Bordone M.C., Barbosa-Morais N.L., **Boehmelt G.**, Kulathu Y.

Source(s): Journal of Cell Science. 131 (10) (no pagination), 2018. Article Number: jcs212753. Date of Publication: 15 May 2018.

- **Characterization of therapeutic antibodies in the presence of human serum proteins by AU-FDS analytical ultracentrifugation.**

Author(s): Wright R.T., **Hayes D.B.**, Stafford W.F., Sherwood P.J., Correia J.J.

Source(s): Analytical Biochemistry. 550 (pp 72-83), 2018. Date of Publication: 1 June 2018.

- **Age-related pathology after adenoviral overexpression of the leucine-rich repeat kinase 2 in the mouse striatum.**

Author(s): Kritzinger A., **Ferger, Boris, Gillardon F., Stierstorfer B., Birk G,** Kochanek S., **Ciossek T.**

Source(s): Neurobiology of Aging. 66 (pp 97-111), 2018. Date of Publication: June 2018.

- **sAPPbeta and sAPPalpha increase structural complexity and E/I input ratio in primary hippocampal neurons and alter Ca²⁺ homeostasis and CREB1-signaling.**

Author(s): Hesse R., von Einem B., Wagner F, Bott P., Schwanzar D., Jackson R.J., Fohr K.J., Lausser L., **Baum-Kroker KS**, Proepper C., Walther P., Kestler H.A., Spires-Jones T.L., Boeckers T., **Rosenbrock, H.**, von Arnim C.A.F.

Source(s): Experimental Neurology. 304 (pp 1-13), 2018. Date of Publication: June 2018.

- **Weak IgG self- and hetero-association characterized by fluorescence analytical ultracentrifugation.**

Author(s): Yang D, Correia JJ, Stafford WF, Roberts CJ, Singh S., Hayes D.B., Kroe-Barrett R., Nixon A, Laue TM

Source(s): Protein Science. 2018 Apr 10.

- **A Phase I/Randomized Phase II Study to Evaluate the Safety, Pharmacokinetics, and Efficacy of Nintedanib versus Sorafenib in Asian Patients with Advanced Hepatocellular Carcinoma.**

Author(s): Yen C.J., Kim T.Y., Feng Y.H., Chao Y., Lin D.Y., Ryoo B.Y., Huang D.C.L., Schnell D., Hocke J., Loembe A.B., Cheng A.L.

Source(s): Liver Cancer. 7 (2) (pp 165-178), 2018. Date of Publication: 01 May 2018.

- **Discovery of tetrahydroindazoles as a novel class of potent and in vivo efficacious gamma secretase modulators.**

Author(s): Gerlach K, Hobson S., Eickmeier C., Gros U, Braun C, Sieger P., Garneau M., Hoerer S, Heine N

Source(s): Bioorganic & Medicinal Chemistry. 2018 Apr 30.

- **Optimized Mitochondrial Targeting of Proteins Encoded by Modified mRNAs Rescues Cells Harboring Mutations in mtATP6.**

Author(s): Chin R.M., Panavas T., Brown J.M., Johnson K.K.

Source(s): Cell Reports. 22 (11) (pp 2809-2817), 2018. Date of Publication: 13 Mar 2018.

- **Abscopal effects of radiotherapy and combined mRNA-based immunotherapy in a syngeneic, OVA-expressing thymoma mouse model.**

Author(s): Basler L., Kowalczyk A, Heidenreich R., Fotin-Mlczek M., Tsitsekidis S., Zips D., Eckert F., Huber S.M.

Source(s): Cancer Immunology, Immunotherapy. 67 (4) (pp 653-662), 2018. Date of Publication: 01 Apr 2018.

- **Nintedanib reduces pulmonary fibrosis in a model of rheumatoid arthritis-associated interstitial lung disease.**

Author(s): Redente EF, Aguilar MA, Black BP, Edelman B, Bahadur A, Humphries SM, Lynch DA, **Wollin L.**, Riches DWH

Source(s): American Journal of Physiology - Lung Cellular & Molecular Physiology. 2018 Mar 15.

- **Patient-derived lymphoblastoid cell lines harboring mitochondrial DNA mutations as tool for small molecule drug discovery.**

Author(s): Chin RM, **Panavas T.**, Brown JM, Johnson KK

Source(s): BMC Research Notes. 11(1):205, 2018 Mar 27.

- **Identifying Functional Hotspot Residues for Biased Ligand Design in G-Protein-Coupled Receptors.**

Author(s): Nivedha AK, **Tautermann C.S.**, Bhattacharya S., Lee, S., **Casarosa P., Kollak I., Kiechle T.**, Vaidehi N

Source(s): Molecular Pharmacology. 93(4):288-296, 2018 Apr.

Impact Factor: 3.931

- **Selective C(sp³)-H Aerobic Oxidation Enabled by Decatungstate Photocatalysis in Flow.**

Author(s): Laudadio G, Govaerts S, Wang Y, Ravelli D, **Koolman HF**, Fagnoni M, Djuric SW, Noel T

Source(s): Angewandte Chemie. International Ed. in English. 57(15):4078-4082, 2018 Apr 03.

- **TRPV4 inhibition attenuates stretch-induced inflammatory cellular responses and lung barrier dysfunction during mechanical ventilation.**

Author(s): **Pairet N., Mang S,** Fois G., **Keck M, Kuhnback M., Gindele J.,** Frick M., Dietl P., **Lamb D.J.**

Source(s): PLoS ONE. 13 (4) (no pagination), 2018. Article Number: e0196055. Date of Publication: April 2018.

- **Altered dopaminergic regulation of the dorsal striatum is able to induce tic-like movements in juvenile rats.**

Author(s): **Nespoli E.**, Rizzo F, Boeckers T., Schulze U., **Hengerer B.**

Source(s): PLoS ONE. 13 (4) (no pagination), 2018. Article Number: e0196515. Date of Publication: April 2018.

- **Discovery and translation of a target engagement marker for AMP-activated protein kinase (AMPK).**

Author(s): **Grempler R., Wolff M., Simon E., Schmid, Ramona, Eisele C, Rieber K., Fischer E., Mettel S., Gabrielyan O., Delic D., Luippold, Gerd, Redeman N.**

Source(s): PLoS ONE. 13 (5) (no pagination), 2018. Article Number: e0197849. Date of Publication: May 2018.

- **Synergistic activity of BET inhibitor BI 894999 with PLK inhibitor volasertib in AML in vitro and in vivo.**

Author(s): **Tontsch-Grunt U., Rudolph, Dorothea, Waizenegger I., Baum, Anke, Gerlach D., Engelhardt H., Wurm M., Savarese F., Schweifer, N., Kraut, N.**

Source(s): Cancer Letters. 421 (pp 112-120), 2018. Date of Publication: 01 May 2018.

- **3D-3-culture: A tool to unveil macrophage plasticity in the tumour microenvironment.**

Author(s): **Rebelo S.P., Pinto C., Martins T.R., Harrer N., Estrada M.F., Loza-Alvarez P., Cabecadas J., Alves P.M., Gualda E.J., Sommergruber W., Brito C.**

Source(s): Biomaterials. 163 (pp 185-197), 2018. Date of Publication: May 2018.

- **Donated chemical probes for open science.**

Author(s): **Muller S,** Ackloo S, Arrowsmith CH, Bauser M, Baryza JL, Blagg J, **Bottcher J,** Bountra C, Brown PJ, Bunnage ME, **Carter AJ,** Damerell D, Dotsch V, Drewry DH, Edwards AM, Edwards J, Elkins JM, Fischer C, Frye SV, **Gollner A.,** Grimshaw CE, IJzerman A, Hanke T, Hartung IV, Hitchcock S, Howe T, Hughes TV,

Laufer S, Li VM, Liras S, Marsden BD, Matsui H, Mathias J, O'Hagan RC, Owen DR, Pande V, Rauh D, Rosenberg SH, Roth BL, Schneider NS, Scholten C, Singh Saikatendu K, Simeonov A, Takizawa M, Tse C, Thompson PR, Treiber DK, **Viana AY**, Wells CI, Willson TM, Zuercher WJ, Knapp S, Mueller-Fahrnow A
Source(s): eLife. 7, 2018 Apr 20.

- **Oligodendrocyte gene expression is reduced by and influences effects of chronic social stress in mice.**

Author(s): Cathomas F, Azzinnari D, Bergamini G, Sigrist H, Buerge M, Hoop V, Wicki B, Goetze L, Soares S, Kukulova D, Seifritz E, Goebbels S, Nave KA, Said Ghandour M, Seoighe C, **Hildebrandt T., Leparc G., Klein H, Stupka E, Hengerer B., Pryce CR**
Source(s): Genes, Brain, & Behavior. e12475, 2018 Mar 22.

- **Late Stage Functionalization of Drug Like Molecules using Diversinates.**

Author(s): **Kuttruff CA, Haile M, Kraml J, Tautermann C.S.**
Source(s): ChemMedChem. 2018 Mar 13.

- **BETter together: Exploiting BRD4-functions in transcription to inform rational combinations.**

Author(s): **Savarese F., Kraut, N.**
Source(s): Oncoscience. 5 (5-6) (pp 122-123), 2018. Date of Publication: May 2018.

- **Conformational sampling and thermodynamic characterization of peptidic macrocycles**

Author(s): Kamenik, Anna, **Fox, Thomas, Fuchs, Julian, Lessel, Uta**, Liedl, Klaus
Source(s): Abstracts of Papers American Chemical Society. 255 MAR 18 2018. 415.

- **Spatial aspects of oncogenic signalling determine the response to combination therapy in slice explants from Kras-driven lung tumours.**

Author(s): Narhi K, Nagaraj AS, Parri E, Turkki R, van Duijn PW, Hemmes A, Lahtela J, Uotinen V, Mayranpaa MI, Salmenkivi K, Rasanen J, Linder N, Trapman J, Rannikko A, Kallioniemi O, Af Hallstrom TM, Lundin J, **Sommergruber W.**, Anders S, Verschuren EW
Source(s): Journal of Pathology. 2018 Feb 14.

- **Animal models for the study of inflammatory bowel diseases: A meta-analysis on modalities for imaging inflammatory lesions.**

Author(s): Aulettaa S., Bonfiglio R., **Wunder A.**, Varani M., Galli F., Borri F., Scimecaeca M., **Niessen H.G.**, **Schonberger T.**, Bonanno E.
Source(s): Quarterly Journal of Nuclear Medicine and Molecular Imaging. 62 (1) (pp 78-100), 2018. Date of Publication: March 2018.

- **In-Depth Characterization of the Effects of Cigarette Smoke Exposure on the Acute Trauma Response and Hemorrhage in Mice.**

Author(s): **Hartmann C**, Groger M, Noirhomme JP, Scheuerle A, Moller P, Wachter U, Huber-Lang M, Nussbaum B, **Jung B.**, Merz T, McCook O, Kress S, Stahl B, Calzia E, Georgieff M, Radermacher P, Wepler M
Source(s): Shock. 2018 Feb 08.

- **Multiple Binding Sites Contribute to the Mechanism of Mixed Agonistic and Positive Allosteric Modulators of the Cannabinoid CB1 Receptor.**

Author(s): Saleh N, **Hucke O.**, **Kramer G.**, **Schmidt E**, **Montel F**, **Lipinski R**, **Ferger, Boris**, Clark T, Hildebrand PW, **Tautermann C.S.**
Source(s): Angewandte Chemie. International Ed. in English. 57(10):2580-2585, 2018 Mar 01.

- **Combined PET/DCE-MRI in a Rabbit Model of Atherosclerosis: Integrated Quantification of Plaque Inflammation, Permeability, and Burden During Treatment With a Leukotriene A4 Hydrolase Inhibitor.**

Author(s): Calcagno C, Lairez O, **Hawkins J**, **Kerr SW**, **Dugas MS**, Simpson T., Epskamp J, Robson PM, Eldib M, Bander I, K-Raman P, Ramachandran S, Pruzan A, Kaufman A, Mani V, **Ehlgen A**, **Niessen H.G.**, **Broadwater J.**, Fayad ZA
Source(s): Jacc: Cardiovascular Imaging. 11(2 Pt 2):291-301, 2018 Feb.

- **HOXB4 Promotes Hemogenic Endothelium Formation without Perturbing Endothelial Cell Development.**

Author(s): Teichweyde N., Kasperidus L., **Carotta S.**, Kouskoff V., Lacaud G., Horn P.A., Heinrichs S., Klump H.

Source(s): Stem Cell Reports. 10 (3) (pp 875-889), 2018. Date of Publication: 13 Mar 2018.

- **The cryo-electron microscopy structure of huntingtin.**

Author(s): Guo Q., Huang B., Cheng J., Seefelder M., Engler T., Pfeifer G., Oeckl, P., Otto M., **Moser F., Maurer M., Pautsch A.**, Baumeister W., Fernandez-Busnadiego R., Kochanek S.

Source(s): Nature. 555 (7694) (pp 117-120), 2018. Date of Publication: 01 Mar 2018.

- **The novel BET bromodomain inhibitor BI 894999 represses super-enhancer-associated transcription and synergizes with CDK9 inhibition in AML.**

Author(s): **Gerlach D., Tontsch-Grunt U., Baum, Anke, Popow J, Scharn D., Hofmann M.H., Engelhardt H., Kaya O, Beck J., Schweifer, Norbert, Gerstberger T, Zuber, J., Savarese F., Kraut, N.**

Source(s): Oncogene. (pp 1-15), 2018. Date of Publication: 01 Mar 2018.

- **Is it time for a new classification of mast cells? What do we know about mast cell heterogeneity?.**

Author(s): Frossi B., Mion F., **Sibilano R.**, Danelli L., Pucillo C.E.M.

Source(s): Immunological Reviews. 282 (1) (pp 35-46), 2018. Date of Publication: March 2018.

- **Optimizing NBE PK/PD assays using the Gyrolab Affinity Software; Conveniently within the bioanalyst's existing workflow.**

Author(s): **Myzithras M, Bigwarfe T.J., Waltz E, Li H., Ahlberg J., Rybina I.V., Low S, Kenny CH, Miglietta J., Kroe-Barrett R.**

Source(s): Bioanalysis. 10 (6) (pp 397-406), 2018. Date of Publication: March 2018.

- **E3 Ubiquitin Ligase RNF125 Activates Interleukin-36 Receptor Signaling and Contributes to Its Turnover.**

Author(s): Saha S.S., Caviness G., Yi G., Raymond E, Mbow M.L., Kao C.

Source(s): Journal of Innate Immunity. 10 (1) (pp 56-69), 2018. Date of Publication: 01 Feb 2018.

- **Structure of the human myostatin precursor and determinants of growth factor latency.**

Author(s): Cotton T.R., Fischer G., Wang X., McCoy J.C., Czepnik M., Thompson T.B., Hyvonen M.

Source(s): EMBO Journal. 37 (3) (pp 367-383), 2018. Date of Publication: 01 Feb 2018.

- **Quantitative expression of hepatobiliary transporters and functional uptake of substrates in hepatic two-dimensional sandwich cultures: A comparative evaluation of upcyte and primary human hepatocytes.**

Author(s): Schaefer M., Morinaga G., Matsui A., Schanzle G., Bischoff D, Sussmuth RD

Source(s): Drug Metabolism and Disposition. 46 (2) (pp 166-177), 2018. Date of Publication: February 2018.

- **Efficacy of the highly selective focal adhesion kinase inhibitor BI 853520 in adenocarcinoma xenograft models is linked to a mesenchymal tumor phenotype.**

Author(s): Hirt U.A., Waizenegger I.C., Schweifer, Norbert, Haslinger, Christian, Gerlach D., Braunger J., Weyer-Czernilofsky U, Stadtmuller H., Sapountzis I., Bader, Gerd, Zoephel A., Bister B, Baum, Anke, Quant J, Kraut, Norbert, Garin-Chesa, Pilar, Adolf, Guenther R.

Source(s): Oncogenesis. 7 (2) (no pagination), 2018. Article Number: 21. Date of Publication: 01 Feb 2018.

- **Safety and efficacy of anti-PD-L1 therapy in the woodchuck model of HBV infection.**

Author(s): Balsitis S., Gali V., Mason P.J., Chaniewski S., Levine S.M., Wichroski M.J., **Feulner M.**, Song Y., Granaldi K., Loy J.K., Thompson C.M., Lesniak J.A., Brockus C., Kishnani N., Menne S., Cockett M.I., Iyer R., Mason S.W., Tenney D.J.
Source(s): PLoS ONE. 13 (2) (no pagination), 2018. Article Number: e0190058. Date of Publication: February 2018.
Impact Factor: 3.057

- **Aripiprazole selectively reduces motor tics in a young animal model for Tourette's syndrome and comorbid attention deficit and hyperactivity disorder.**

Author(s): Rizzo F, **Nespoli E.**, Abaei A., Bar-Gad I., Deelchand D.K., Fegert J., Rasche V., **Hengerer B.**, Boeckers TM
Source(s): Frontiers in Neurology. 9 (FEB) (no pagination), 2018. Article Number: 59. Date of Publication: 13 Feb 2018.

- **Chronic social stress induces peripheral and central immune activation, blunted mesolimbic dopamine function, and reduced reward-directed behaviour in mice.**

Author(s): Bergamini G., Mechtersheimer J., Azzinnari D., Sigrist H., Buerge M., Dallmann R., Freije R., Kouraki A., Opacka-Juffry J., Seifritz E., **Ferger, B.**, Suter T., Pryce C.R.
Source(s): Neurobiology of Stress. 8 (pp 42-56), 2018. Date of Publication: February 2018.

- **The multi-receptor inhibitor axitinib reverses tumor-induced immunosuppression and potentiates treatment with immune-modulatory antibodies in preclinical murine models.**

Author(s): Laubli H., **Muller P.**, D'Amico L., Buchi M., Kashyap A.S., Zippelius A.
Source(s): Cancer Immunology, Immunotherapy. (pp 1-10), 2018. Date of Publication: 27 Feb 2018.

- **Importance of the IL-1 axis in haemophilus influenzae-stimulated M1 macrophages driving transepithelial signaling.**

Author(s): **Mang S**, Braun A, **Pairet N.**, **Lamb D.J.**

Source(s): American Journal of Respiratory Cell and Molecular Biology. 58 (3) (pp 412-415), 2018. Date of Publication: March 2018.

- **The high need for trials assessing functional outcome after stroke rather than stroke prevention with GLP-1 agonists and DPP-4 inhibitors.**

Author(s): Darsalia V., Larsson M., **Klein, T.**, Patrone C.

Source(s): Cardiovascular Diabetology. 17 (1) (no pagination), 2018. Article Number: 32. Date of Publication: 21 Feb 2018.

- **Anti-angiogenic effects of the DPP-4 inhibitor linagliptin via inhibition of VEGFR signalling in the mouse model of oxygen-induced retinopathy.**

Author(s): Kolibabka M., Dietrich N., **Klein, T.**, Hammes H.-P.

Source(s): Diabetologia. (no pagination), 2018. Date of Publication: 2018.

- **Allosteric Activation of Striatal-Enriched Protein Tyrosine Phosphatase (STEP, PTPN5) by a Fragment-like Molecule.**

Author(s): **Tautermann C.S.**, **Binder F.**, **Buttner F.H.**, **Eickmeier C.**, **Fiegen D.**, **Gross U.**, **Grundl M.A.**, **Heilker R.**, **Hobson S.**, **Hoerer S.**, **Luippold A.**, **Mack V.**, **Montel F.**, **Peters S.**, **Bhattacharya S.**, **Vaidehi N.**, **Schnapp G.**, **Thamm S.**, **Zeeb M.**

Source(s): Journal of Medicinal Chemistry. (no pagination), 2018. Date of Publication: 2018.

- **Gliptins Suppress Inflammatory Macrophage Activation to Mitigate Inflammation, Fibrosis, Oxidative Stress, and Vascular Dysfunction in Models of Nonalcoholic Steatohepatitis and Liver Fibrosis.**

Author(s): Wang X., Hausding M., Weng S.-Y., Kim Y.O., Steven S., **Klein, T.**, Daiber A., Schuppan D.

Source(s): Antioxidants and Redox Signaling. 28 (2) (pp 87-109), 2018. Date of Publication: 10 Jan 2018.

- **Exclusion from spheroid formation identifies loss of essential cell-cell adhesion molecules in colon cancer cells.**

Author(s): Stadler M, Scherzer M, Walter S, Holzner S, Pudenko K, **Riedl A**, Unger C, Kramer N, Weil B, Neesen J, Hengstschlager M, Dolznig H

Source(s): Scientific Reports. 8(1):1151, 2018 Jan 18.

- **The safety, tolerability and pharmacokinetics of BI 409306, a novel and potent PDE9 inhibitor: Overview of three Phase I randomised trials in healthy volunteers.**

Author(s): **Moschetti, V., Kim M.H., Sand, Michael, Wunderlich G., Andersen G., Feifel, U., Jang I.-J., Timmer W., Rosenbrock, H., Boland, K.**

Source(s): European Neuropsychopharmacology. (no pagination), 2018. Date of Publication: 2018.

- **Polo-like kinase inhibitor volasertib marginally enhances the efficacy of the novel Fc-engineered anti-CD33 antibody BI 836858 in acute myeloid leukemia.**

Author(s): Gopalakrishnan B., Cheney C., Mani R., Mo X., Bucci D., Walker A., Klisovic R., Bhatnagar B., Walsh K., **Rueter B., Waizenegger I.C., Heider K.H., Blum W., Vasu S., Muthusamy N.**

Source(s): Oncotarget. 9 (11) (pp 9706-9713), 2018. Date of Publication: 2018.

- **Bidirectional variation in glutamate efflux in the medial prefrontal cortex induced by selective positive and negative allosteric mGluR5 modulators.**

Author(s): **Isherwood, S., Robbins T.W., Dalley J.W., Pekcec, A.**

Source(s): Journal of Neurochemistry. (no pagination), 2018. Date of Publication: 2018.

- **Durable Interactions of T Cells with T Cell Receptor Stimuli in the Absence of a Stable Immunological Synapse.**

Author(s): Mayya V., Judokusumo E., Abu Shah E., Peel C.G., Neiswanger W., Depoil D., **Blair D.A., Wiggins C.H., Kam L.C., Dustin M.L.**

Source(s): Cell Reports. 22 (2) (pp 340-349), 2018. Date of Publication: 2018.

- **Protein aggregation of the p63 transcription factor underlies severe skin fragility in AEC syndrome.**

Author(s): Russo C, Osterburg C., Sirico A., Antonini D., Ambrosio R., Wurz J.M., **Rinnenthal J**, Ferniani M., Kehrloesser S., Schafer B., Guntert P., Sinha S., Dotsch V., Missero C.

Source(s): Proceedings of the National Academy of Sciences of the United States of America. 115 (5) (pp E906-E915), 2018. Date of Publication: 30 Jan 2018.

- **Characterization of the properties of a selective, orally bioavailable autotaxin inhibitor in preclinical models of advanced stages of liver fibrosis.**

Author(s): **Baader M., Bretschneider T, Broermann, A., Rippmann JF, Stierstorfer B., Kuttruff C.A., Mark, M.**

Source(s): British Journal of Pharmacology. 175 (4) (pp 693-707), 2018. Date of Publication: February 2018.

- **Differences in trait impulsivity do not bias the response to pharmacological drug challenge in the rat five-choice serial reaction time task.**

Author(s): **Barlow R.L., Dalley J.W., Pekcec, A.**

Source(s): Psychopharmacology. (pp 1-11), 2018. Date of Publication: 26 Jan 2018.

- **Blockade of insulin-like growth factors increases efficacy of paclitaxel in metastatic breast cancer.**

Author(s): Ireland L., Santos A., Campbell F., Figueiredo C., Hammond D., Ellies L.G., **Weyer-Czernilofsky U, Bogenrieder T., Schmid M., Mielgo A.**

Source(s): Oncogene. (pp 1-15), 2018. Date of Publication: 25 Jan 2018.

- **Treatment with HC-070, a potent inhibitor of TRPC4 and TRPC5, leads to anxiolytic and antidepressant effects in mice.**

Author(s): **Just S., Chenard B.L., Ceci A., Strassmaier T., Chong J.A., Blair N.T., Gallaschun R.J., del Camino D., Cantin S., D'Amours M., Eickmeier C., Fanger**

C.M., **Hecker C.**, Hessler D.P., **Hengerer B.**, **Baum-Kroker KS**, Malekiani S., Mihalek R., McLaughlin J., **Rast G.**, Witek J., **Sauer A.**, Pryce C.R., Moran M.M.
Source(s): PLoS ONE. 13 (1) (no pagination), 2018. Article Number: e0191225. Date of Publication: January 2018.

- **Highly selective inhibition of Bruton's tyrosine kinase attenuates skin and brain disease in murine lupus.**

Author(s): Chalmers S.A., Wen J., Doerner J., Stock A., Cuda C.M., Makinde H.M., Perlman H., **Bosanac T.**, **Webb D.**, **Nabozny G.H.**, **Fine J.S.**, **Klein E.**, **Ramanujam M.**, Putterman C.

Source(s): Arthritis Research and Therapy. 20 (1) (no pagination), 2018. Article Number: 10. Date of Publication: 25 Jan 2018.

- **The reverse translation of a quantitative neuropsychiatric framework into preclinical studies: Focus on social interaction and behavior.**

Author(s): **Peleh T.**, Ike K.G.O., Wams E.J., Lebois E.P., **Hengerer B.**

Source(s): Neuroscience and Biobehavioral Reviews. (no pagination), 2018. Date of Publication: 2018.

- **GPCR homology model generation for lead optimization.**

Author(s): **Tautermann C.S.**

Source(s): Methods in Molecular Biology. 1705 (pp 115-131), 2018. Date of Publication: 2018.

- **Examining Myddosome formation by luminescence-based mammalian interactome mapping (LUMIER).**

Author(s): Wolz O.-O., **Koegl M.**, Weber A.N.R.

Source(s): Methods in Molecular Biology. 1714 (pp 119-130), 2018. Date of Publication: 2018.

- **Triple-tyrosine kinase inhibition attenuates pulmonary arterial hypertension and neointimal formation.**

Author(s): Ambade A.S., **Jung B.**, Lee D, **Doods H.**, Wu, D.

Source(s): Translational Research. (no pagination), 2018. Date of Publication: 2018.

- **Pathogenesis of Renal Injury and Gene Expression Changes in the Male CD-1 Mouse Associated with Exposure to Empagliflozin.**

Author(s): **Knight B, Yuan J., Koegler S, Pande P, Hall J, Hill JD, Hart SE, Phillips J.A., Ku WW**

Source(s): Toxicologic Pathology. 192623318784514, 2018 Jan 01.

- **Single-Cell Map of Diverse Immune Phenotypes in the Breast Tumor Microenvironment.**

Author(s): Azizi E., Carr A.J., Plitas G., Cornish A.E., Konopacki C., Prabhakaran S., Nainys J., Wu K., Kiseliovas V., Setty M., Choi K., Fromme R.M., Dao P.,

McKenney P.T., Wasti R.C., Kadaveru K., Mazutis L., Rudensky A.Y., Pe'er D.

Source(s): Cell. (no pagination), 2018. Date of Publication: 2018.

- **Behavioural, morphological and electrophysiological assessment of the effects of type 2 diabetes mellitus on large and small nerve fibres in Zucker diabetic fatty, Zucker lean and Wistar rats.**

Author(s): Garcia-Perez E., **Schonberger T.**, Sumalla M., **Stierstorfer B.**, Sola R., **Doods H.**, Serra J., **Gorodetskaya N.**

Source(s): European Journal of Pain (United Kingdom). (no pagination), 2018. Date of Publication: 2018.

Impact Factor: 2.9

- **Effect of manufacturing temperature and storage duration on stability of chemically defined media measured with LC-MS/MS.**

Author(s): **Krattenmacher F., Heermann T., Calvet A., Krawczyk B., Noll T.**

Source(s): Journal of Chemical Technology and Biotechnology. (no pagination), 2018. Date of Publication: 2018.

- **Disease Progression and Pharmacological Intervention in a Nutrient-Deficient Rat Model of Nonalcoholic Steatohepatitis.**

Author(s): Tolbol K.S., **Stierstorfer B., Rippmann JF**, Veidal S.S., Rigbolt K.T.G., **Schonberger T.**, Gillum M.P., Hansen H.H., Vrang N., Jelsing J., Feigh M., **Broermann, A.**

Source(s): Digestive Diseases and Sciences. (no pagination), 2018. Date of Publication: 2018.

- **Selective IL-23 inhibition by risankizumab modulates the molecular profile in the colon and ileum of patients with active Crohn's disease: Results From a Randomised Phase II Biopsy Sub-study.**

Author(s): **Visvanathan S., Baum P.**, Salas A., **Vinisko R., Schmid, R.**, Grebe K.M., Davis J.W., Wallace K., **Boecher, Wulf O., Padula S., Fine J.S.**, Panes J.

Source(s): Journal of Crohn's and Colitis. 12 (10) (pp 1170-1179), 2018. Date of Publication: 2018.

- **Phase I dose-escalation trial of afatinib, an irreversible ErbB family blocker, in combination with gemcitabine or docetaxel in patients with relapsed or refractory solid tumors.**

Author(s): Hiret S, Isambert N., Gomez-Roca C, Bennouna J., Sassi M., Mont-Serrat H de, **Fan J, Schnell D.**, Delord J.P.

Source(s): Investigational New Drugs. 36(6):1044-1059, 2018 12.

- **Safety pharmacology in and for Africa: Establishment of the pre-clinical drug development platform.**

Author(s): **Guth B.D.**, Grobler A.

Source(s): Journal of Pharmacological and Toxicological Methods. (no pagination), 2018. Date of Publication: 2018.

- **Chronic Social Stress Leads to Reduced Gustatory Reward Salience and Effort Valuation in Mice.**

Author(s): Kukel'ova D, Bergamini G, Sigrist H, Seifritz E, **Hengerer B.**, Pryce CR

Source(s): Frontiers in Behavioral Neuroscience. 12:134, 2018.

- **Inhaled Therapy in Respiratory Disease: The Complex Interplay of Pulmonary Kinetic Processes. [Review]**

Author(s): **Borghardt JM**, Kloft C, **Sharma, A.**

Source(s): Canadian Respiratory Journal. 2018:2732017, 2018.

- **Unbiased Proteomic Approach Identifies Unique and Coincidental Plasma Biomarkers in Repetitive mTBI and AD Pathogenesis.**

Author(s): Ojo JO, Crynen G, **Reed JM**, Ajoy R, Vallabhaneni P, Algamal M, Leary P, Rafi NG, Mouzon B, Mullan M, Crawford F

Source(s): Frontiers in aging neuroscience. 10:405, 2018.

- **Standard analgesics reverse burrowing deficits in a rat CCI model of neuropathic pain, but not in models of type 1 and type 2 diabetes-induced neuropathic pain.**

Author(s): Rutten K., Gould SA, Bryden L., **Doods H.**, Christoph T., **Pekcec, A.**

Source(s): Behavioural Brain Research. (no pagination), 2018. Date of Publication: 2018.

- **Combining ADCs with immuno-oncology agents.**

Author(s): **Muller P.**, Rios-Doria J., Harper J., Cao A.

Source(s): Cancer Drug Discovery and Development. Part F2 (pp 11-44), 2018. Date of Publication: 2018.

- **Riluzole Attenuates L-DOPA-Induced Abnormal Involuntary Movements Through Decreasing CREB1 Activity: Insights from a Rat Model.**

Author(s): Pagliaroli L., Widomska J., **Nespoli E.**, **Hildebrandt T.**, Barta C., Glennon J., **Hengerer B.**, Poelmans G.

Source(s): Molecular Neurobiology. (no pagination), 2018. Date of Publication: 2018.

- **Cannabidiol as a Potential Novel Therapeutic Agent for Psychotic Disorders**

Author(s): **Deiana S.**, Zamberletti, E.

Source(s): Compton, MT [Editor], Manseau, MW [Editor]. Complex Connection between Cannabis and Schizophrenia. 2018. 309-339.

- **The power of combining phenotypic and target-focused drug discovery.**

Author(s): **Heilker R., Lessel, U., Bischoff D**

Source(s): Drug Discovery Today. (no pagination), 2018. Date of Publication: 2018.

- **Tumour-infiltrating neutrophils counteract anti-VEGF therapy in metastatic colorectal cancer.**

Author(s): Schiffmann L.M., Fritsch M., Gebauer F., Gunther S.D., Stair N.R., Seeger J.M., Thangarajah F., Dieplinger G., Bludau M., Alakus H., Gobel H., Quaas A., Zander T., **Hilberg F.**, Bruns C.J., Kashkar H., Coutelle O.

Source(s): British Journal of Cancer. (no pagination), 2018. Date of Publication: 2018.