

Arbeitsbericht PHD Biomedizin 2020

Publikationen

Zhang W, Mese K, Schellhorn S, Bahlmann N, Mach N, Bunz O, Dhingra, A., Hage, E., Lafon, M.-E., and Wodrich, H. (2020) Throughput Cloning and Characterization of Emerging Adenovirus Types 70, 73, 74, and 75. *International Journal of Molecular Sciences* 2020; 21: 6370.

Gao J, Zhang W, Mese K, Bunz O, Lu F, Ehrhardt A. (2020) Transient chimeric Ad5/37 fiber enhances NK-92 carrier cell mediated delivery of oncolytic adenovirus type 5 to tumor cells. *Molecular Therapy-Methods & Clinical Development* 18, 376-389.

Mese K, Bunz O, Schellhorn S, Volkwein W, Jung D, Gao J, Zhang, W., Baiker, A., and Ehrhardt, A. (2020) Identification of novel human adenovirus candidates using the coxsackievirus and adenovirus receptor for cell entry. *Virology Journal* 2020; 17: 1-7.

Bunz O, Mese K, Funk C, Wulf M, Bailer SM, Piwowarczyk A, Ehrhardt A. (2020) Cold atmospheric plasma as antiviral therapy—effect on human herpes simplex virus type 1. *Journal of General Virology* 2020: jgv001382.

Jacobsen M, Dembek TA, Ziakos AP, Gholamipoor R, Kobbe G, Kollmann M, Blum C, Müller-Wieland D, Napp A, Heinemann L, Deubner N, Marx N, Isenmann S, Seyfarth M. (2020) Reliable Detection of Atrial Fibrillation with a Medical Wearable during Inpatient Conditions. *Sensors (Basel)*. 2020 Sep 26;20(19):5517. doi: 10.3390/s20195517. PMID: 32993132; PMCID: PMC7583973.

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Fleisch M, Breu J, Bjelic-Radusic V. (2020) Therapie des metastasierten Endometriumkarzinoms, *Frauenheilkunde up2date* 2020; 14(02): S.151-161.

Dörk T, Hillemanns P, Tempfer C, Breu J, Fleisch MC. (2020) Genetic Susceptibility to Endometrial Cancer: Risk Factors and Clinical Management, *Cancers (Basel)* 2020 Aug 25;12(9): S. 2407.

Dörnen J, Myklebost O, Dittmar T. (2020) Cell Fusion of Mesenchymal Stem/Stromal Cells and Breast Cancer Cells Leads to the Formation of Hybrid Cells Exhibiting Diverse and Individual (Stem Cell) Characteristics. *Int J Mol Sci* 21 (2020).

Dörnen J, Sieler M, Weiler J, Keil S, Dittmar T. (2020) Cell Fusion-Mediated Tissue Regeneration as an Inducer of Polyploidy and Aneuploidy. *Int J Mol Sci* 21 (2020).

Schildgen, V, Demuth S, Lüsebrink L, and Schildgen O. (2020) "Limits and Opportunities of SARS-CoV-2 Antigen Rapid Tests: An Experienced-Based Perspective" *Pathogens* 10, no. 1: 38. <https://doi.org/10.3390/pathogens10010038>. (submitted 10. 12. 2020).

Besser M, Dietrich M, Weber L, Rembe JD, & Stuermer E K. (2020). Efficacy of antiseptics in a novel 3-dimensional human plasma biofilm model (hpBIOM). *Scientific reports*, 10(1), 4792.

Abstracts

Dörnen J and Dittmar T. Generation and characterisation of fusion derived MSC × breast cancer cell hybrids; Tag der Forschung 2020, Witten.

Kongressbesuche

Dörnen J and Dittmar T. Tag der Forschung 2020, Universität Witten/Herdecke, Witten.