

Institut für Virologie: Erfasste Publikationen

2016

- Combination therapy including CpG oligodeoxynucleotides and entecavir induces early viral response and enhanced inhibition of viral replication in a woodchuck model of chronic hepadnaviral infection.
Antiviral Res. **2016;125: 14-24** (Impact(2015)=4.909, Typ=Journal Article; Journal Article)
 Meng Z, Zhang X, Pei R, Zhang E, Kemper T, Vollmer J, Davis HL, Glebe D, Gerlich W, Roggendorf M, Lu M
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- High variability of HIV and HCV seroprevalence and risk behaviours among people who inject drugs: results from a cross-sectional study using respondent-driven sampling in eight German cities (2011-14).
BMC Public Health. **2016;16: 927** (Impact(2015)=2.209, Typ=Article; Journal Article)
 Wenz B, Nielsen S, Gassowski M, Santos-Hövenner C, Cai W, Ross RS, Bock CT, Ratsch BA, Kücherer C, Bannert N, Bremer V, Hamouda O, Marcus U, Zimmermann R, DRUCK Study group, Bapat V, Bombeck J, Dettmer K, Kerres C, Hecht A, Heinz W, Klee J, Leicht A, Lein S, Marrziniak B, Ostermann O, Scherbaum N, Schäffer D, Stein I, Wiederanders L
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- Quantitative proteome analysis reveals the correlation between endocytosis-associated proteins and hepatocellular carcinoma dedifferentiation.
Biochim Biophys Acta. **2016;1864(11): 1579-85** (Impact(2015)=5.083, Typ=Article; Journal Article)
 Naboulsi W, Bracht T, Megger DA, Reis H, Ahrens M, Turewicz M, Eisenacher M, Tautges S, Canbay AE, Meyer HE, Weber F, Baba HA, Sitek B
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- Control of hepatitis B virus infection in hematopoietic stem cell recipients after receiving grafts from vaccinated donors.
Bone Marrow Transplant. **2016;51(3): 428-31** (Impact(2015)=3.636, Typ=Letter; Journal Article)
 Lindemann M, Koldehoff M, Fiedler M, Schumann A, Ottinger HD, Heinemann FM, Roggendorf M, Horn PA, Beelen DW
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- Inhibition of catecholamine degradation ameliorates while chemical sympathectomy aggravates the severity of acute Friend retrovirus infection in mice.
Brain Behav Immun. **2016;54: 252-9** (Impact(2015)=5.874, Typ=Article; Journal Article; Research Support, Non-U.S. Gov't)
 Bloemker D, Mollerus S, Gibbert K, Dittmer U, del Rey A, Schedlowski M, Engler H
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- CD169(+) macrophages regulate PD-L1 expression via type I interferon and thereby prevent severe immunopathology after LCMV infection.
Cell Death Dis. **2016;7(11): e2446** (Impact(2015)=5.378, Typ=Article; Journal Article)
 Shaabani N, Duhan V, Khairnar V, Gassa A, Ferrer-Tur R, Häussinger D, Recher M,

- Zelinskyy G, Liu J, Dittmer U, Trilling M, Scheu S, Hardt C, Lang PA, Honke N, Lang KS
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- Opposing Development of Cytotoxic and Follicular Helper CD4 T Cells Controlled by the TCF-1-Bcl6 Nexus.
Cell Rep. 2016;17(6): 1571-1583 (Impact(2015)=7.87, Typ=Article; Journal Article)
 Donnarumma T, Young GR, Merckenschlager J, Eksmond U, Bongard N, Nutt SL, Boyer C, Dittmer U, Le-Trilling VT, Trilling M, Bayer W, Kassiotis G
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - HCMV vCXCL1 Binds Several Chemokine Receptors and Preferentially Attracts Neutrophils over NK Cells by Interacting with CXCR2.
Cell Rep. 2016;15(7): 1542-53 (Impact(2015)=7.87, Typ=Article; Journal Article)
 Yamin R, Lecker LS, Weisblum Y, Vitenshtein A, Le-Trilling VT, Wolf DG, Mandelboim O
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 - Tumour-Targeted Drug Delivery with Mannose-Functionalized Nanoparticles Self-Assembled from Amphiphilic β -Cyclodextrins.
Chemistry. 2016;22(43): 15216-15221 (Impact(2015)=5.771, Typ=Article; Journal Article)
 Ye Z, Zhang Q, Wang S, Bharate P, Varela-Aramburu S, Lu M, Seeberger PH, Yin J
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Serum microRNA-125b correlates with hepatitis B viral replication and liver necroinflammation.
Clin Microbiol Infect. 2016;22(4): 384.e1-384.e10 (Impact(2015)=4.575, Typ=Article; Journal Article)
 Li F, Zhou P, Deng W, Wang J, Mao R, Zhang Y, Li J, Yu J, Yang F, Huang Y, Lu M, Zhang J
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Immunoactivation induced by chronic viral infection inhibits viral replication and drives immunosuppression through sustained IFN-I responses.
Eur J Immunol. 2016;46(2): 372-80 (Impact(2015)=4.179, Typ=Article; Journal Article; Research Support, Non-U.S. Gov't)
 Honke N, Shaabani N, Merches K, Gassa A, Kraft A, Ehrhardt K, Häussinger D, Löhning M, Dittmer U, Hengel H, Recher M, Lang PA, Lang KS
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Molecular cloning, characterization and expression analysis of TGF- β and receptor genes in the woodchuck model.
Gene. 2016;595(1): 1-8 (Impact(2015)=2.319, Typ=Article; Journal Article)
 Wang L, Wang J, Liu Y, Wang B, Yang S, Yu Q, Roggendorf M, Lu M, Liu J, Yang D
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Detection of hepatitis b virus DNA in the blood of a stem cell donor after granulocyte colony-stimulating factor treatment.
Hepatology. 2016;64(5): 1803-1805 (Impact(2015)=11.711, Typ=Article; Journal Article)
 Punzel M, Medd P, Hunter H, Cunningham R, Pottinger B, Burde B, Widera M, Quade A, Ehninger G, Kozlova A, Schmidt H, Buhrmann K, Schüttler CG, Glebe D, Billen A, Schmidt AH, Mengling T, Verheyen J
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- Circulating HIV-Specific Interleukin-21(+)CD4(+) T Cells Represent Peripheral Tfh Cells with Antigen-Dependent Helper Functions.
Immunity. 2016;44(1): 167-78 (Impact(2015)=24.082, Typ=Article; Journal Article)
 Schultz BT, Teigler JE, Pissani F, Oster AF, Kranias G, Alter G, Marovich M, Eller MA, Dittmer U, Robb ML, Kim JH, Michael NL, Bolton D, Streeck H
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- MAPKAP kinase 2 regulates IL-10 expression and prevents formation of intrahepatic myeloid cell aggregates during cytomegalovirus infections.
J Hepatol. 2016;64(2): 380-9 (Impact(2015)=10.59, Typ=Journal Article; Journal Article)
 Ehling C, Trilling M, Tiedje C, Le-Trilling VT, Albrecht U, Kluge S, Zimmermann A, Graf D, Gaestel M, Hengel H, Häussinger D, Bode JG
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- Molecular cloning, characterization and expression analysis of woodchuck retinoic acid-inducible gene I.
J Huazhong Univ Sci Technolog Med Sci. 2016;36(3): 335-43 (Impact(2015)=0.838, Typ=Article; Journal Article)
 Yan Q, Liu Q, Li MM, Li FH, Zhu B, Wang JZ, Lu YP, Liu J, Wu J, Zheng X, Lu MJ, Wang BJ, Yang DL
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- CD137 Agonist Therapy Can Reprogram Regulatory T Cells into Cytotoxic CD4+ T Cells with Antitumor Activity.
J Immunol. 2016;196(1): 484-92 (Impact(2015)=4.985, Typ=Article; Journal Article)
 Akhmetzyanova I, Zelinsky G, Littwitz-Salomon E, Malyskina A, Dietze KK, Streeck H, Brandau S, Dittmer U
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- Combined Analysis of the Prevalence of Drug-Resistant Hepatitis B Virus in Antiviral Therapy-Experienced Patients in Europe (CAPRE).
J Infect Dis. 2016;213(1): 39-48 (Impact(2015)=6.344, Typ=Article; Journal Article; Multicenter Study; Research Support, Non-U.S. Gov't)
 Hermans LE, Svicher V, Pas SD, Salpini R, Alvarez M, Ben Ari Z, Boland G, Bruzzone B, Coppola N, Seguin-Devaux C, Dyda T, Garcia F, Kaiser R, Köse S, Krarup H, Lazarevic I, Lunar MM, Maylin S, Micheli V, Mor O, Paraschiv S, Paraskevis D, Poljak M, Puchhammer-Stöckl E, Simon F, Stanojevic M, Stene-Johansen K, Tihic N, Trimoulet P, Verheyen J, Vince A, Weis N, Yalcinkaya T, Lepej SZ, Perno C, Boucher CA, Wensing AM, HEPVIR Working Group of the European Society for Translational Antiviral Research
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- Interferon Alpha Subtype-Specific Suppression of HIV-1 Infection In Vivo.
J Virol. 2016;90(13): 6001-13 (Impact(2015)=4.606, Typ=Article; Journal Article)
 Lavender KJ, Gibbert K, Peterson KE, Van Dis E, Francois S, Woods T, Messer RJ, Gawanbacht A, Müller JA, Münch J, Phillips K, Race B, Harper MS, Guo K, Lee EJ, Trilling M, Hengel H, Piehler J, Verheyen J, Wilson CC, Santiago ML, Hasenkrug KJ, Dittmer U
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- Bile Acids Act as Soluble Host Restriction Factors Limiting Cytomegalovirus Replication in Hepatocytes.
J Virol. 2016;90(15): 6686-98 (Impact(2015)=4.606, Typ=Article; Journal Article)
 Schupp AK, Trilling M, Rattay S, Le-Trilling VT, Haselow K, Stindt J, Zimmermann A,

- Häussinger D, Hengel H, Graf D
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- Multidrug resistance protein 4 is a critical protein associated with the antiviral efficacy of nucleos(t)ide analogues.
Liver Int. 2016;36(9): 1284-94 (Impact(2015)=4.47, Typ=Article; Journal Article)
 Liu W, Song H, Chen Q, Xu C, Zhang W, Liu Y, Wang B, Xu D, Lu M, Yang D, Zheng X
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Highly individual patterns of virus-immune IgG effector responses in humans.
Med Microbiol Immunol. 2016;205(5): 409-24 (Impact(2015)=2.302, Typ=Article; Journal Article)
 Corrales-Aguilar E, Trilling M, Reinhard H, Falcone V, Zimmermann A, Adams O, Santibanez S, Hengel H
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Multicentric performance analysis of HCV quantification assays and its potential relevance for HCV treatment.
Med Microbiol Immunol. 2016;205(3): 263-8 (Impact(2015)=2.302, Typ=Article; Journal Article)
 Wiesmann F, Naeth G, Berger A, Hirsch HH, Regenass S, Ross RS, Sarrazin C, Wedemeyer H, Knechten H, Braun P
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 - Filariae-Retrovirus Co-infection in Mice is Associated with Suppressed Virus-Specific IgG Immune Response and Higher Viral Loads.
PLoS Negl Trop Dis. 2016;10(12): e0005170 (Impact(2015)=3.948, Typ=Article; Journal Article)
 Dietze KK, Dittmer U, Koudaimi DK, Schimmer S, Reitz M, Breloer M, Hartmann W
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Characterization of the Treg Response in the Hepatitis B Virus Hydrodynamic Injection Mouse Model.
PLoS ONE. 2016;11(3): e0151717 (Impact(2015)=3.057, Typ=Article; Journal Article; Research Support, Non-U.S. Gov't)
 Dietze KK, Schimmer S, Kretzmer F, Wang J, Lin Y, Huang X, Wu W, Wang B, Lu M, Dittmer U, Yang D, Liu J
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 - Transcriptome Analysis and Comparison of Marmota monax and Marmota himalayana.
PLoS ONE. 2016;11(11): e0165875 (Impact(2015)=3.057, Typ=Article; Journal Article)
 Liu Y, Wang B, Wang L, Vikash V, Wang Q, Roggendorf M, Lu M, Yang D, Liu J
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Combination of nanoparticle-based therapeutic vaccination and transient ablation of regulatory T cells enhances anti-viral immunity during chronic retroviral infection.
Retrovirology. 2016;13: 24 (Impact(2015)=3.989, Typ=Article; Journal Article; Review; Research Support, Non-U.S. Gov't)
 Knuschke T, Rotan O, Bayer W, Sokolova V, Hansen W, Sparwasser T, Dittmer U, Eppler M, Buer J, Westendorf AM
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Insufficient natural killer cell responses against retroviruses: how to improve NK cell killing of retrovirus-infected cells.

- Retrovirology. 2016;13(1): 77** (Impact(2015)=3.989, Typ=Review; Journal Article; Review)
Littwitz-Salomon E, Dittmer U, Sutter K
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
- Prevention strategies for blood-borne viruses-in the Era of vaccines, direct acting antivirals and antiretroviral therapy.
Rev Med Virol. 2016;26(5): 330-9 (Impact(2015)=4.308, Typ=Review; Journal Article; Review)
 Pfaender S, von Hahn T, Steinmann J, Ciesek S, Steinmann E
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 - Virus-specific antibodies allow viral replication in the marginal zone, thereby promoting CD8(+) T-cell priming and viral control.
Sci Rep. 2016;6: 19191 (Impact(2015)=5.228, Typ=Article; Journal Article)
 Duhan V, Khairnar V, Friedrich SK, Zhou F, Gassa A, Honke N, Shaabani N, Gailus N, Botezatu L, Khandanpour C, Dittmer U, Häussinger D, Recher M, Hardt C, Lang PA, Lang KS
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 - Broad and potent antiviral activity of the NAE inhibitor MLN4924.
Sci Rep. 2016;6: 19977 (Impact(2015)=5.228, Typ=Article; Journal Article; Research Support, Non-U.S. Gov't)
Le-Trilling VT, Megger DA, Katschinski B, Landsberg CD, Rückborn MU, Tao S, Krawczyk A, Bayer W, Drexler I, Tenbusch M, Sitek B, Trilling M
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 - Tetherin/BST-2 promotes dendritic cell activation and function during acute retrovirus infection.
Sci Rep. 2016;6: 20425 (Impact(2015)=5.228, Typ=Article; Journal Article; Research Support, Non-U.S. Gov't; Research Support, N.I.H., Extramural; Research Support, N.I.H., Intramural)
 Li SX, Barrett BS, Guo K, Kassiotis G, Hasenkrug KJ, Dittmer U, Gibbert K, Santiago ML
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 - Hepatitis B virus genome replication triggers toll-like receptor 3-dependent interferon responses in the absence of hepatitis B surface antigen.
Sci Rep. 2016;6: 24865 (Impact(2015)=5.228, Typ=Article; Journal Article)
 Real CI, Lu M, Liu J, Huang X, Trippler M, Hossbach M, Deckert J, Jahn-Hofmann K, Ickenstein LM, John MJ, Gibbert K, Dittmer U, Vornlocher HP, Schirmbeck R, Gerken G, Schlaak JF, Broering R
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Molecular characterization of woodchuck IFI16 and AIM2 and their expression in woodchucks infected with woodchuck hepatitis virus (WHV).
Sci Rep. 2016;6: 28776 (Impact(2015)=5.228, Typ=Article; Journal Article)
 Yan Q, Li M, Liu Q, Li F, Zhu B, Wang J, Lu Y, Liu J, Wu J, Zheng X, Lu M, Wang B, Yang D
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 - Epigenetically regulated miR-449a enhances hepatitis B virus replication by targeting cAMP-responsive element binding protein 5 and modulating hepatocytes phenotype.
Sci Rep. 2016;6: 25389 (Impact(2015)=5.228, Typ=Article; Journal Article)

- Zhang X, Liu H, Xie Z, Deng W, Wu C, Qin B, Hou J, Lu M
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- HUMORAL AND CELLULAR RESPONSES TO A SINGLE DOSE OF FENDRIX IN KIDNEY TRANSPLANT RECIPIENTS WITH NON-RESPONSE TO CONVENTIONAL HEPATITIS B VACCINES
Transpl Int. 2016;29 3: 16-16 (Impact(2015)=2.835, Typ=Meeting Summary)
 Zaslavskaya M, Fiedler M, Wilde B, Heinemann FM, Heinold A, Horn PA, Witzke O, Lindemann M
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 - Reduced Frequencies and Activation of Regulatory T Cells After the Treatment of HIV-1-Infected Individuals with the CCR5 Antagonist Maraviroc Are Associated with a Reduction in Viral Loads Rather Than a Direct Effect of the Drug on Regulatory T Cells.
Viral Immunol. 2016;29(3): 192-6 (Impact(2015)=1.513, Typ=Article; Journal Article; Research Support, Non-U.S. Gov't)
 Joedicke JJ, Dirks M, Esser S, Verheyen J, Dittmer U
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 - The role of microRNAs in hepatocyte metabolism and hepatitis B virus replication.
Virol Sin. 2016;31(6): 472-479 (Impact: liegt nicht vor, Typ=Review; Journal Article; Review)
 Deng W, Lu M
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 - The V1 region of gp120 is preferentially selected during SIV/HIV transmission and is indispensable for envelope function and virus infection.
Virol Sin. 2016;31(3): 207-18 (Impact: liegt nicht vor, Typ=Article; Journal Article)
 Li Y, Dittmer U, Wang Y, Song J, Sun B, Yang R
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 - No SEVI-mediated enhancement of rectal HIV-1 transmission of HIV-1 in two humanized mouse cohorts.
Virology. 2016;488: 88-95 (Impact(2015)=3.2, Typ=Article; Journal Article; Research Support, Non-U.S. Gov't; Research Support, N.I.H., Intramural)
 Van Dis ES, Moore TC, Lavender KJ, Messer RJ, Keppler OT, Verheyen J, Dittmer U, Hasenkrug KJ
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Liver Failure due to Acute Viral Hepatitis (A-E).
Visc Med. 2016;32(2): 80-5 (Impact: liegt nicht vor, Typ=Review; Journal Article; Review)
 Manka P, Verheyen J, Gerken G, Canbay A
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 - Inhibitory effect of miR-125b on hepatitis C virus core protein-induced TLR2/MyD88 signaling in THP-1 cells.
World J Gastroenterol. 2016;22(17): 4354-61 (Impact(2015)=2.787, Typ=Article; Journal Article)
 Peng C, Wang H, Zhang WJ, Jie SH, Tong QX, Lu MJ, Yang DL
 ✓ Medline-ID vorhanden, ✓ Web of Science-ID (ISI-LOC) vorhanden ([Details](#))
 - Genetic variation of hepatitis B virus and its significance for pathogenesis.
World J Gastroenterol. 2016;22(1): 126-44 (Impact(2015)=2.787, Typ=Article; Journal

Article; Review)

Zhang ZH, Wu CC, Chen XW, Li X, Li J, Lu MJ

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