

## Virus, Bakterium und Immunsystem

Ivanovskij DI (1892) O dvuch boleznyach tabaka. Tabacnaja pepliza. Mozatcnaja bolezn´ tabaka. Sel'skoje chozajstvo i lesovodstvo St. Petersburg 169, 104-121

Beijerinck MW (1898) Über ein **Contagium vivum fluidum** als Ursache der Flecken-krankheit der Tabaksblätter. Amsterdam: Müller. [Virus]

Lida Holmes Mattman [http://en.wikipedia.org/wiki/Lida\\_Holmes\\_Mattman](http://en.wikipedia.org/wiki/Lida_Holmes_Mattman)

**Cell Wall Deficient Forms Stealth Pathogens [bakterielle Stressvarianten, Pleomorphie]**  
<http://www.amazon.com/Cell-Wall-Deficient-Forms-Stealth-Pathogens/dp/0849387671>  
<http://www.erlebnishaft.de/kommentstressvar2.pdf>

[Biofilme in der Medizin] <http://www.erlebnishaft.de/kommentbiofilmmed.pdf>

[Metabolom; Exposome, Mikrobiome, Infektome] <http://de.wikipedia.org/wiki/Metabolom>

Domingue GJ, Ghoniem GM, Bost KL, et al. (1955) **Dormant microbes** in interstitial cystitis. J Urol 153(4), 1321-6. <http://www.ncbi.nlm.nih.gov/pubmed/7869536>

Markova EA, Kornilova II (1966) **Filterable forms** of bacteria isolated from the blood of typhoid patients. Zh Mikrobiol Epidemiol Immunobiol 43(6), 13-8.

Iartseva LD, Topleninova KA, Egorenkova AN, et al. (1976) Candidiasis in pregnant women and the **filterable forms of Candida**. Vopr Okhr Materin Det 21(5), 75-8.

Parent K, Mitchell P (1978) **Cell wall-defective variants** of pseudomonas-like (group Va) bacteria in Crohn's disease. Gastroenterology 75(3), 368-72.  
<http://www.ncbi.nlm.nih.gov/pubmed/680490>

Domingue GJ (1980) **Filterable cell-associated cryptic bacterial forms** in immunologic renal diseases. Urol Surv 30(1), 1-4. <http://www.ncbi.nlm.nih.gov/pubmed/7368462>

**Schadewaldt H.** (1996) Über die Rückkehr der Seuchen. vgs Verlagsgesellschaft. Köln  
[http://www.booklooker.de/B%FCcher/Angebote/titel=%DCber+die+R%FCckkehr+der+Seuchen&autor=Schadewaldt,+Hans&sortOrder=preis\\_total](http://www.booklooker.de/B%FCcher/Angebote/titel=%DCber+die+R%FCckkehr+der+Seuchen&autor=Schadewaldt,+Hans&sortOrder=preis_total)

Sinkovics J, Horvath J, Horak A (1998) **The origin and evolution of viruses (a review)**. Acta Microbiol Immunol Hung 45(3-4), 349-90. <http://www.ncbi.nlm.nih.gov/pubmed/9873943>

Herbein G, O'Brien WA (2000) Tumor necrosis factor (TNF)-alpha and TNF receptors in **viral** pathogenesis. Proc Soc Exp Biol Med 223(3), 241-57. <http://www.ncbi.nlm.nih.gov/pubmed/10719836>

Farrell RJ, LaMont JT (2002) **Microbial** factors in inflammatory bowel disease. Gastroenterol Clin North Am 31(1), 41-62. <http://www.ncbi.nlm.nih.gov/pubmed/12122743>

Wilk I, Martirosian G (2004) **Nanobacteria**--microbiological characteristics. Postepy Hig Med Dosw (Online) 60-4. <http://www.ncbi.nlm.nih.gov/pubmed/15069381>

Kim E, Kliger Y (2005) Discovering hidden **viral** piracy. Bioinformatics 21(23), 4216-22.  
<http://bioinformatics.oxfordjournals.org/content/21/23/4216>

- Kirchberger S, Majdic O, Stockl J (2007) Modulation of the immune system by human **rhinoviruses**. *Int Arch Allergy Immunol* 142(1), 1-10. <http://www.ncbi.nlm.nih.gov/pubmed/17016053>
- Sansonetti PJ, Di Santo JP (2007) Debugging how **bacteria** manipulate the immune response. *Immunity* 26(2), 149-61. <http://www.ncbi.nlm.nih.gov/pubmed/17307704>
- Allen CA, Torres AG (2008) **Host-microbe communication** within the GI tract. *Adv Exp Med Biol* 93-101. <http://www.ncbi.nlm.nih.gov/pubmed/18841706>
- Steinberg BE, Grinstein S (2008) **Pathogen destruction versus intracellular survival**: the role of lipids as phagosomal fate determinants. *J Clin Invest* 118(6), 2002-11. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2396921/>
- Kessler T, Hamprecht K, Feuchtinger T, et al. (2010) Dendritic cells are susceptible to infection with **wild-type adenovirus**, inducing a differentiation arrest in precursor cells and inducing a strong T-cell stimulation. *J Gen Virol* 91(Pt 5), 1150-4. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3052561/>
- Fujimura KE, Slusher NA, Cabana MD, et al. (2010) Role of the **gut microbiota** in defining human health. *Expert Rev Anti Infect Ther* 8(4), 435-54. <http://www.ncbi.nlm.nih.gov/pubmed/20377338>
- Reviewed by [Salomoni P](#), [Basu S](#), [Tavassoli M](#), [Watson CJ](#) (2010) **The Siren's Song**: a new book on the perils and benefits of **(cell) death**. *Cell Death Dis.* 1(5), e39. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3032307/>
- Nadler C, Baruch K, Kobi S, et al. (2010) The **type III secretion effector NleE** inhibits NF-kappaB activation. *PLoS Pathog* 6(1), e1000743. <http://www.ncbi.nlm.nih.gov/pubmed/20126447>
- Diacovich L, Gorvel JP (2010) **Bacterial manipulation** of innate immunity to promote infection. *Nat Rev Microbiol* 8(2), 117-28. <http://www.ncbi.nlm.nih.gov/pubmed/20075926>
- Clyde K, Glaunsinger BA (2010) Getting the message direct manipulation of host mRNA accumulation during **gammaherpesvirus** lytic infection. *Adv Virus Res* 1-42. <http://www.ncbi.nlm.nih.gov/pubmed/21040830>
- Maman Y, Nir-Paz R, Louzoun Y (2011) **Bacteria modulate** the CD8+ T cell epitope repertoire of host cytosol-exposed proteins to manipulate the host immune response. *PLoS Comput Biol* 7(10), e1002220. <http://www.ncbi.nlm.nih.gov/pubmed/22022257>
- Metelo J, Ward N, Thrasher AJ, et al. (2011) **Lentivectors** are efficient tools to manipulate the dendritic **cell cytoskeleton**. *Cytoskeleton (Hoboken)* 68(8), 434-45. <http://www.ncbi.nlm.nih.gov/pubmed/21755610>
- Rusconi B, Greub G (2011) **Chlamydiales** and the innate immune response: friend or foe? *FEMS Immunol Med Microbiol* 61(3), 231-44. <http://www.ncbi.nlm.nih.gov/pubmed/21205001>
- Lancioni CL, Li Q, Thomas JJ, et al. (2011) **Mycobacterium tuberculosis lipoproteins** directly regulate human memory CD4(+) T cell activation via Toll-like receptors 1 and 2. *Infect Immun* 79(2), 663-73. <http://www.ncbi.nlm.nih.gov/pubmed/21078852>
- Castanier C, Arnoult D (2011) Mitochondrial localization of **viral proteins** as a means to subvert host defense. *Biochim Biophys Acta* 1813(4), 575-83. <http://www.ncbi.nlm.nih.gov/pubmed/20807553>

**Wolfe N.** (2012) **VIRUS.** Die Wiederkehr der Seuchen. Rowohlt Verlag GmbH. ISBN 978 3 498 07376 3 <http://www.amazon.de/Virus-Wiederkehr-Seuchen-Nathan-Wolfe/dp/3498073761>

Tu Z, Hamalainen-Laanaya HK, Nishitani C, et al. (2012) **HCV** core and NS3 proteins manipulate human blood-derived dendritic cell development and promote **Th 17** differentiation. *Int Immunol* 24(2), 97-106. <http://www.ncbi.nlm.nih.gov/pubmed/22190574>

Lee KS, Kalantzis A, Jackson CB, et al. (2012) **Helicobacter pylori** CagA triggers expression of the bactericidal lectin REG3 $\gamma$  via gastric STAT3 activation. *PLoS One* 7(2), e30786. <http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0030786>

Criss AK, Seifert HS (2012) A **bacterial siren song**: intimate interactions between *Neisseria* and neutrophils. *Nat Rev Microbiol* 10(3), 178-90. <http://www.ncbi.nlm.nih.gov/pubmed/22290508>

Kohanbash G, Okada H (2012) **MicroRNAs** and STAT interplay. *Semin Cancer Biol* 22(1), 70-5. <http://www.ncbi.nlm.nih.gov/pubmed/22210182>

Pichlmair, A., Kandasamy, K., Alvisi, G. et al. (2012) **Viral immune modulators** perturb the human molecular network by common and unique strategies. *Nature* 487, 486-490. <http://medicalxpress.com/news/2012-08-ways-viruses-affect-human-immune.html#jCp>

Virgen-Slane R, Rozovics JM, Fitzgerald KD et al. (2012) **An RNA virus hijacks an incognito function of a DNA repair enzyme**. *Proceedings of the National Academy of Sciences* <http://www.pnas.org/content/early/2012/08/15/1208096109>

Katzourakis A (2013) **Paleovirology**: inferring viral evolution from host genome sequence data doi: 10.1098/rstb.2012.0493 *Phil. Trans. R. Soc. B* 19 September 2013 vol. 368 no. 1626 20120493 <http://rstb.royalsocietypublishing.org/content/368/1626/20120493.short>

Raoult D (2014) **Viruses Reconsidered**. The discovery of more and more viruses of record-breaking size calls for a reclassification of life on Earth. *The Scientist*. <http://www.the-scientist.com/?articles.view/articleNo/39244/title/Viruses-Reconsidered/>

[Sinclair](#) SH, [Rennoll-Bankert](#) KE, [Dumler](#) JS (2014) **Effector bottleneck: microbial reprogramming of parasitized host cell transcription by epigenetic remodeling of chromatin structure**. *Front. Genet*, doi: 10.3389/fgene.2014.00274 <http://journal.frontiersin.org/Journal/10.3389/fgene.2014.00274/full>

„It is increasingly apparent that *A. phagocytophilum* and perhaps other intracellular prokaryotes manipulate their hosts with a high degree of efficacy, but by altering the “on” or “off” state of genes in a *cis* only fashion or targeting individual or small numbers of signaling pathways is unlikely to account for this alone, in essence, an “effector bottleneck”....The interplay between HDACs, DNMTs, and methyl binding proteins suggests that *A. phagocytophilum* infection could also induce widespread DNA methylation perhaps as a mechanism for obtaining broad epigenetic changes and functional reprogramming.“

Sugden B (2014) **Epstein-Barr Virus: The Path from Association to Causality for a Ubiquitous Human Pathogen** DOI: 10.1371/journal.pbio.1001939 <http://www.plosbiology.org/article/info:doi/10.1371/journal.pbio.1001939>

Wylie KM, Mihindukulasuriya KA, Zhou Y, Sodergren E, Storch GA, Weinstock GM (2014) **Metagenomic analysis of double-stranded DNA viruses in healthy adults**. *BioMed Central Biology*, online Sept. 10, 2014. <http://www.ncbi.nlm.nih.gov/pubmed/25212266>

Salo J, Jaatinen A, Söderström M, Viljanen MK, Hytönen J (2015) **Decorin Binding Proteins of *Borrelia burgdorferi* Promote Arthritis Development and Joint Specific Post-Treatment DNA Persistence in Mice**. *PLoS ONE* 10(3), e0121512.

doi:10.1371/journal.pone.0121512

<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0121512>

«Results of the immunosuppression studies suggest that the persisting material in the joints of antibiotic treated mice is DNA or DNA containing remnants rather than live bacteria. «

Elsner RA, Hasteley CJ, Olsen KJ, Baumgarth N (2015) **Suppression of Long-Lived Humoral Immunity Following *Borrelia burgdorferi* Infection**. PLOS pathogens. DOI:

10.1371/journal.ppat.1004976

<http://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1004976>

[Dowd](#) JB, [Bosch](#) JA, [Steptoe](#) A et al. (2017) **Persistent Herpesvirus Infections and Telomere Attrition Over 3 Years in the Whitehall II Cohort**. J Infect Dis jix255.

DOI:<https://doi.org/10.1093/infdis/jix25>

- ➔ **Virus triggers chronic illnesses and chronic infections, the so called autoimmune diseases, and STING** <http://www.erlebnishaft.de/virusstriggers.pdf>
- ➔ **Horizontaler Gentransfer** <http://www.erlebnishaft.de/gentransfer.pdf>
- ➔ **Vasculitis, Inflammation, Neoplasma** [http://www.xerlebnishaft.de/borrel\\_inflam\\_lymphom\\_neopl.pdf](http://www.xerlebnishaft.de/borrel_inflam_lymphom_neopl.pdf)
- ➔ **Gen Dynamik** [http://www.xerlebnishaft.de/gen\\_dynamik.pdf](http://www.xerlebnishaft.de/gen_dynamik.pdf)

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