

## 8 Literaturverzeichnis

- Albini, S., Zimmermann, W., Neff, F., Ehlers, B., Hani, H., Li, H., Hussy, D., Engels, M. und Ackermann, M. (2003). Identification and quantification of ovine gammaherpesvirus 2 DNA in fresh and stored tissues of pigs with symptoms of porcine malignant catarrhal fever. *J Clin Microbiol* **41**(2), 900-4.
- Arvanitakis, L., Geras-Raaka, E., Varma, A., Gershengorn, M. C. und Cesarman, E. (1997). Human herpesvirus KSHV encodes a constitutively active G-protein-coupled receptor linked to cell proliferation. *Nature* **385**(6614), 347-50.
- Baines, J. D. und Roizman, B. (1993). The UL10 gene of herpes simplex virus 1 encodes a novel viral glycoprotein, gM, which is present in the virion and in the plasma membrane of infected cells. *J Virol* **67**(3), 1441-52.
- Bais, C., Santomasso, B., Coso, O., Arvanitakis, L., Raaka, E. G., Gutkind, J. S., Asch, A. S., Cesarman, E., Gershengorn, M. C., Mesri, E. A. und Gerhengorn, M. C. (1998). G-protein-coupled receptor of Kaposi's sarcoma-associated herpesvirus is a viral oncogene and angiogenesis activator. *Nature* **391**(6662), 86-9.
- Beckmann, J. P. (2000a). "Xenotransplantation von Zellen, Geweben oder Organen: wissenschaftliche Entwicklungen und ethisch-rechtliche Implikationen." Springer, Berlin.
- Beckmann, S. (2000b). Entwicklung eines Nachweisverfahrens zur Differenzierung der neuartigen porcinen lymphotropen Gammaherpesviren PLHV-1 und PLHV-2 in unterschiedlichen Schweineproben (Studienarbeit). Robert Koch-Institut, Berlin.
- Bland, I. M., Rooke, J. A., Bland, V. C., Sinclair, A. G. und Edwards, S. A. (1999). The acquisition of IgG from colostrum by piglets. In "Annual BSAS Meeting", Scarborough (<http://www.bsas.org.uk/meetings/annlproc/PDF99/189.pdf>).
- Boneva, R. S., Folks, T. M. und Chapman, L. E. (2001). Infectious disease issues in xenotransplantation. *Clin Microbiol Rev* **14**(1), 1-14.
- Booy, F. P., Trus, B. L., Newcomb, W. W., Brown, J. C., Conway, J. F. und Steven, A. C. (1994). Finding a needle in a haystack: detection of a small protein (the 12-kDa VP26) in a large complex (the 200-MDa capsid of herpes simplex virus). *Proc Natl Acad Sci U S A* **91**(12), 5652-6.
- Britt, W. J. und Mach, M. (1996). Human cytomegalovirus glycoproteins. *Intervirol* **39**(5-6), 401-12.
- Brown, D. W. (1997). Threat to Humans from Virus Infections of Non-human Primates. *Rev Med Virol* **7**(4), 239-46.
- Buchser, E., Goddard, M., Heyd, B., Joseph, J. M., Favre, J., de Tribolet, N., Lysaght, M. und Aebischer, P. (1996). Immunoisolated xenogenic chromaffin cell therapy for chronic pain. Initial clinical experience. *Anesthesiology* **85**(5), 1005-12; discussion 29A-30A.
- Chapman, L. E., Folks, T. M., Salomon, D. R., Patterson, A. P., Eggerman, T. E. und Noguchi, P. D. (1995). Xenotransplantation and xenogeneic infections. *N Engl J Med* **333**(22), 1498-501.
- Chatlynne, L. G., Lapps, W., Handy, M., Huang, Y. Q., Masood, R., Hamilton, A. S., Said, J. W., Koeffler, H. P., Kaplan, M. H., Friedman-Kien, A., Gill, P. S., Whitman, J. E. und Ablashi, D. V. (1998). Detection and titration of human herpesvirus-8-specific antibodies in sera from blood donors, acquired immunodeficiency syndrome patients, and Kaposi's sarcoma patients using a whole virus enzyme-linked immunosorbent assay. *Blood* **92**(1), 53-8.
- Chmielewicz, B. (2002). Detektion und Kultivierung neuartiger porciner Gammaherpesviren als Beitrag zur virologischen Sicherheit in der Xenotransplantation (Dissertation), Freie Universität Berlin.
- Chmielewicz, B., Goltz, M., Lahrmann, K. H. und Ehlers, B. (2003). Approaching virus safety in xenotransplantation: a search for unrecognized herpesviruses in pigs. *Xenotransplantation* **10**(4), 349-56.

- Clark, D. A., Fryer, J. F., Tucker, A. W., McArdle, P. D., Hughes, A. E., Emery, V. C. und Griffiths, P. D. (2003). Porcine cytomegalovirus in pigs being bred for xenograft organs: progress towards control. *Xenotransplantation* **10**(2), 142-8.
- Conraths, F., Ackermann, M., Ludwig, H., Pauli, G. und Pereira, L. (1987). Conserved antigenic and functional domains on glycoprotein B of herpes simplex virus 1 and bovine herpesvirus 2. Brief report. *Arch Virol* **96**(3-4), 309-18.
- Cozzi, E. und White, D. J. (1995). The generation of transgenic pigs as potential organ donors for humans. *Nat Med* **1**(9), 964-6.
- Crowther, J. R. (2001). "The ELISA guidebook." 1 ed. Crowther, J.R., Totowa/New York.
- Deacon, T., Schumacher, J., Dinsmore, J., Thomas, C., Palmer, P., Kott, S., Edge, A., Penney, D., Kassissieh, S., Dempsey, P. und Isacson, O. (1997). Histological evidence of fetal pig neural cell survival after transplantation into a patient with Parkinson's disease. *Nat Med* **3**(3), 350-3.
- DeLuca, N., Bzik, D. J., Bond, V. C., Person, S. und Snipes, W. (1982). Nucleotide sequences of herpes simplex virus type 1 (HSV-1) affecting virus entry, cell fusion, and production of glycoprotein gb (VP7). *Virology* **122**(2), 411-23.
- Denner, J. (2000). Mikrobiologische Risiken der Xenotransplantation. In "Neue Perspektiven der Transplantationsmedizin im interdisziplinären Dialog" (Engels, E.-M., G. Badura-Lotter und S. Schicktanz, Eds.), pp. 142-69. Nomos Verlagsgesellschaft, Baden-Baden.
- Denner, J. (2003). Entwicklung von Testsystemen zum Nachweis porciner endogener Retroviren. In "Xenotransplantation: Grundlagen, Chancen, Risiken" (Grimm, H., Ed.), pp. 259-79. Schattauer, Stuttgart und New York.
- Desai, P. J., Schaffer, P. A. und Minson, A. C. (1988). Excretion of non-infectious virus particles lacking glycoprotein H by a temperature-sensitive mutant of herpes simplex virus type 1: evidence that gH is essential for virion infectivity. *J Gen Virol* **69** ( Pt 6), 1147-56.
- Dunning, J. J., White, D. J. und Wallwork, J. (1994). The rationale for xenotransplantation as a solution to the donor organ shortage. *Pathol Biol (Paris)* **42**(3), 231-5.
- Ehlers, B., Borchers, K., Grund, C., Frolich, K., Ludwig, H. und Buhk, H. J. (1999). Detection of new DNA polymerase genes of known and potentially novel herpesviruses by PCR with degenerate and deoxyinosine-substituted primers. *Virus Genes* **18**(3), 211-20.
- Ehlers, B., Ulrich, S. und Goltz, M. (1999). Detection of two novel porcine herpesviruses with high similarity to gammaherpesviruses. *J Gen Virol* **80** ( Pt 4), 971-8.
- Engvall, E. und Perlman, P. (1971). Enzyme-linked immunosorbent assay (ELISA). Quantitative assay of immunoglobulin G. *Immunochemistry* **8**(9), 871-4.
- Engvall, E. und Perlmann, P. (1972). Enzyme-linked immunosorbent assay, Elisa. 3. Quantitation of specific antibodies by enzyme-labeled anti-immunoglobulin in antigen-coated tubes. *J Immunol* **109**(1), 129-35.
- Enserink, M. (1999). New virus fingered in Malaysian epidemic. *Science* **284**(5413), 407, 9-10.
- Farrar, J. J. (1999). Nipah-virus encephalitis--investigation of a new infection. *Lancet* **354**(9186), 1222-3.
- Feranchak, A. P., Tyson, R. W., Narkewicz, M. R., Karrer, F. M. und Sokol, R. J. (1998). Fulminant Epstein-Barr viral hepatitis: orthotopic liver transplantation and review of the literature. *Liver Transpl Surg* **4**(6), 469-76.
- Ferry, J. A. und Harris, D. L. (1994). Lymphoproliferative disorders following organ transplantation. *Advances in Pathology and Laboratory Medicine* **7**, 359-87.
- Fishman, J. A. und Rubin, R. H. (1998). Infection in organ-transplant recipients. *N Engl J Med* **338**(24), 1741-50.

- Fodor, W. L., Williams, B. L., Matis, L. A., Madri, J. A., Rollins, S. A., Knight, J. W., Velander, W. und Squinto, S. P. (1994). Expression of a functional human complement inhibitor in a transgenic pig as a model for the prevention of xenogeneic hyperacute organ rejection. *Proc Natl Acad Sci U S A* **91**(23), 11153-7.
- Gao, F., Bailes, E., Robertson, D. L., Chen, Y., Rodenburg, C. M., Michael, S. F., Cummins, L. B., Arthur, L. O., Peeters, M., Shaw, G. M., Sharp, P. M. und Hahn, B. H. (1999). Origin of HIV-1 in the chimpanzee *Pan troglodytes*. *Nature* **397**(6718), 436-41.
- Gao, F., Yue, L., White, A. T., Pappas, P. G., Barchue, J., Hanson, A. P., Greene, B. M., Sharp, P. M., Shaw, G. M. und Hahn, B. H. (1992). Human infection by genetically diverse SIVSM-related HIV-2 in west Africa. *Nature* **358**(6386), 495-9.
- Georgiou, G. und Valax, P. (1996). Expression of correctly folded proteins in *Escherichia coli*. *Curr Opin Biotechnol* **7**(2), 190-7.
- Glodek, P. und Bollwahn, W. (1992). "Schweinezucht - Grundlagen der Schweinezucht." 9 ed. Ulmer, Stuttgart.
- Goltz, M., Ericsson, T., Patience, C., Huang, C. A., Noack, S., Sachs, D. H. und Ehlers, B. (2002). Sequence analysis of the genome of porcine lymphotropic herpesvirus 1 and gene expression during posttransplant lymphoproliferative disease of pigs. *Virology* **294**(2), 383-93.
- Goltz, M., Widen, F., Banks, M., Belak, S. und Ehlers, B. (2000). Characterization of the DNA polymerase loci of porcine cytomegaloviruses from diverse geographic origins. *Virus Genes* **21**(3), 249-55.
- Gong, M. und Kieff, E. (1990). Intracellular trafficking of two major Epstein-Barr virus glycoproteins, gp350/220 and gp110. *J Virol* **64**(4), 1507-16.
- Groth, C. G., Korsgren, O., Wennberg, L., Song, Z., Wu, G., Reinholt, F. und Tibell, A. (1998). Pig-to-human islet transplantation. *Transplant Proc* **30**(7), 3809-10.
- Gunzburg, W. H. und Salmons, B. (2000). Xenotransplantation: is the risk of viral infection as great as we thought? *Mol Med Today* **6**(5), 199-208.
- Hagemoser, W. A., Kluge, J. P. und Hill, H. T. (1980). Studies on the pathogenesis of pseudorabies in domestic cats following oral inoculation. *Can J Comp Med* **44**(2), 192-202.
- Heneine, W., Tibell, A., Switzer, W. M., Sandstrom, P., Rosales, G. V., Mathews, A., Korsgren, O., Chapman, L. E., Folks, T. M. und Groth, C. G. (1998). No evidence of infection with porcine endogenous retrovirus in recipients of porcine islet-cell xenografts. *Lancet* **352**(9129), 695-9.
- Herold, B. C., WuDunn, D., Soltys, N. und Spear, P. G. (1991). Glycoprotein C of herpes simplex virus type 1 plays a principal role in the adsorption of virus to cells and in infectivity. *J Virol* **65**(3), 1090-8.
- Hinderer, W., Lang, D., Rothe, M., Vornhagen, R., Sonneborn, H. H. und Wolf, H. (1999). Serodiagnosis of Epstein-Barr virus infection by using recombinant viral capsid antigen fragments and autologous gene fusion. *J Clin Microbiol* **37**(10), 3239-44.
- Huang, C. A., Fuchimoto, Y., Gleit, Z. L., Ericsson, T., Griesemer, A., Scheier-Dolberg, R., Melendy, E., Kitamura, H., Fishman, J. A., Ferry, J. A., Harris, N. L., Patience, C. und Sachs, D. H. (2001). Posttransplantation lymphoproliferative disease in miniature swine after allogeneic hematopoietic cell transplantation: similarity to human PTLN and association with a porcine gammaherpesvirus. *Blood* **97**(5), 1467-73.
- Hutchinson, L., Browne, H., Wargent, V., Davis-Poynter, N., Primorac, S., Goldsmith, K., Minson, A. C. und Johnson, D. C. (1992). A novel herpes simplex virus glycoprotein, gL, forms a complex with glycoprotein H (gH) and affects normal folding and surface expression of gH. *J Virol* **66**(4), 2240-50.

- Irgang, M., Sauer, I. M., Karlas, A., Zeilinger, K., Gerlach, J. C., Kurth, R., Neuhaus, P. und Denner, J. (2003). Porcine endogenous retroviruses: no infection in patients treated with a bioreactor based on porcine liver cells. *J Clin Virol* **28**(2), 141-54.
- Kamohara, Y., Rozga, J. und Demetriou, A. A. (1998). Artificial liver: review and Cedars-Sinai experience. *J Hepatobiliary Pancreat Surg* **5**(3), 273-85.
- Kangro, H. O., Osman, H. K., Lau, Y. L., Heath, R. B., Yeung, C. Y. und Ng, M. H. (1994). Seroprevalence of antibodies to human herpesviruses in England and Hong Kong. *J Med Virol* **43**(1), 91-6.
- Katano, H., Iwasaki, T., Baba, N., Terai, M., Mori, S., Iwamoto, A., Kurata, T. und Sata, T. (2000). Identification of antigenic proteins encoded by human herpesvirus 8 and seroprevalence in the general population and among patients with and without Kaposi's sarcoma. *J Virol* **74**(8), 3478-85.
- Kelley, D. F. und Ratcliffe, J. (1983). Canine Aujeszky's disease. *Vet Rec* **113**(18), 430.
- Klupp, B. G., Fuchs, W., Weiland, E. und Mettenleiter, T. C. (1997). Pseudorabies virus glycoprotein L is necessary for virus infectivity but dispensable for virion localization of glycoprotein H. *J Virol* **71**(10), 7687-95.
- Knecht, H., Berger, C., al-Homsi, A. S., McQuain, C. und Brousset, P. (1997). Epstein-Barr virus oncogenesis. *Crit Rev Oncol Hematol* **26**(2), 117-35.
- Koralnik, I. J., Boeri, E., Saxinger, W. C., Monico, A. L., Fullen, J., Gessain, A., Guo, H. G., Gallo, R. C., Markham, P., Kalyanaraman, V. und et al. (1994). Phylogenetic associations of human and simian T-cell leukemia/lymphotropic virus type I strains: evidence for interspecies transmission. *J Virol* **68**(4), 2693-707.
- Laemmli, U. K. (1970). Cleavage of structural proteins during the assembly of the head of bacteriophage T4. *Nature* **227**(259), 680-5.
- Lai, L., Kolber-Simonds, D., Park, K. W., Cheong, H. T., Greenstein, J. L., Im, G. S., Samuel, M., Bonk, A., Rieke, A., Day, B. N., Murphy, C. N., Carter, D. B., Hawley, R. J. und Prather, R. S. (2002). Production of alpha-1,3-galactosyltransferase knockout pigs by nuclear transfer cloning. *Science* **295**(5557), 1089-92.
- Lin, S. F., Sun, R., Heston, L., Gradoville, L., Shedd, D., Haglund, K., Rigsby, M. und Miller, G. (1997). Identification, expression, and immunogenicity of Kaposi's sarcoma-associated herpesvirus-encoded small viral capsid antigen. *J Virol* **71**(4), 3069-76.
- Little, S. P., Jofre, J. T., Courtney, R. J. und Schaffer, P. A. (1981). A virion-associated glycoprotein essential for infectivity of herpes simplex virus type 1. *Virology* **115**(1), 149-60.
- Liu, Q., Li, M. Z., Leibham, D., Cortez, D. und Elledge, S. J. (1998). The univector plasmid-fusion system, a method for rapid construction of recombinant DNA without restriction enzymes. *Curr Biol* **8**(24), 1300-9.
- Loken, T., Aleksandersen, M., Reid, H. und Pow, I. (1998). Malignant catarrhal fever caused by ovine herpesvirus-2 in pigs in Norway. *Vet Rec* **143**(17), 464-7.
- MacMillan, A. P., Greiser-Wilke, I., Moening, V. und Mathias, L. A. (1990). A competition enzyme immunoassay for brucellosis diagnosis. *Dtsch. tierärztl. Wschr.* **93**, 83-5.
- Marshall, W. L., Yim, C., Gustafson, E., Graf, T., Sage, D. R., Hanify, K., Williams, L., Fingerroth, J. und Finberg, R. W. (1999). Epstein-Barr virus encodes a novel homolog of the bcl-2 oncogene that inhibits apoptosis and associates with Bax and Bak. *J Virol* **73**(6), 5181-5.
- Meng, X. J., Halbur, P. G., Shapiro, M. S., Govindarajan, S., Bruna, J. D., Mushahwar, I. K., Purcell, R. H. und Emerson, S. U. (1998). Genetic and experimental evidence for cross-species infection by swine hepatitis E virus. *J Virol* **72**(12), 9714-21.
- Meng, X. J., Purcell, R. H., Halbur, P. G., Lehman, J. R., Webb, D. M., Tsareva, T. S., Haynes, J. S., Thacker, B. J. und Emerson, S. U. (1997). A novel virus in swine

- is closely related to the human hepatitis E virus. *Proc Natl Acad Sci U S A* **94**(18), 9860-5.
- Mettenleiter, T. C. (1991). Molecular biology of pseudorabies (Aujeszky's disease) virus. *Comp Immunol Microbiol Infect Dis* **14**(2), 151-63.
- Mettenleiter, T. C., Zsak, L., Zuckermann, F., Sugg, N., Kern, H. und Ben-Porat, T. (1990). Interaction of glycoprotein gIII with a cellular heparinlike substance mediates adsorption of pseudorabies virus. *J Virol* **64**(1), 278-86.
- Michaels, M. G. und Simmons, R. L. (1994). Xenotransplant-associated zoonoses. Strategies for prevention. *Transplantation* **57**(1), 1-7.
- Modrow, S. (2003). "Molekulare Virologie." 2 ed. Spektrum Akademischer Verlag, Heidelberg und Berlin.
- Morris, M. C., Edmunds, W. J., Hesketh, L. M., Vyse, A. J., Miller, E., Morgan-Capner, P. und Brown, D. W. (2002). Sero-epidemiological patterns of Epstein-Barr and herpes simplex (HSV-1 and HSV-2) viruses in England and Wales. *J Med Virol* **67**(4), 522-7.
- Mullis, K., Faloona, F., Scharf, S., Saiki, R., Horn, G. und Erlich, H. (1986). Specific enzymatic amplification of DNA in vitro: the polymerase chain reaction. *Cold Spring Harb Symp Quant Biol* **51 Pt 1**, 263-73.
- Naranatt, P. P., Akula, S. M. und Chandran, B. (2002). Characterization of gamma2-human herpesvirus-8 glycoproteins gH and gL. *Arch Virol* **147**(7), 1349-70.
- Norrild, B. (1980). Immunochemistry of herpes simplex virus glycoproteins. *Curr Top Microbiol Immunol* **90**, 67-106.
- Novotny, M. J., Parish, M. L. und Spear, P. G. (1996). Variability of herpes simplex virus 1 gL and anti-gL antibodies that inhibit cell fusion but not viral infectivity. *Virology* **221**(1), 1-13.
- Onions, D., Cooper, D. K., Alexander, T. J., Brown, C., Claassen, E., Foweraker, J. E., Harris, D. L., Mahy, B. W., Minor, P. D., Osterhaus, A. D., Pastoret, P. P. und Yamanouchi, K. (2000). An approach to the control of disease transmission in pig-to-human xenotransplantation. *Xenotransplantation* **7**(2), 143-55.
- Orosz, C. G., Fidelus, R. K., Roopenian, D. C., Widmer, M. B., Ferguson, R. M. und Bach, F. H. (1982). Analysis of cloned T cell function. I. Dissection of cloned T cell proliferative responses using cyclosporin A. *J Immunol* **129**(5), 1865-8.
- Osterrieder, N., Neubauer, A., Brandmuller, C., Braun, B., Kaaden, O. R. und Baines, J. D. (1996). The equine herpesvirus 1 glycoprotein gp21/22a, the herpes simplex virus type 1 gM homolog, is involved in virus penetration and cell-to-cell spread of virions. *J Virol* **70**(6), 4110-5.
- Osterrieder, N., Neubauer, A., Fakler, B., Brandmuller, C., Seyboldt, C., Kaaden, O. R. und Baines, J. D. (1997). Synthesis and processing of the equine herpesvirus 1 glycoprotein M. *Virology* **232**(1), 230-9.
- Paradis, K., Langford, G., Long, Z., Heneine, W., Sandstrom, P., Switzer, W. M., Chapman, L. E., Lockey, C., Onions, D. und Otto, E. (1999). Search for cross-species transmission of porcine endogenous retrovirus in patients treated with living pig tissue. The XEN 111 Study Group. *Science* **285**(5431), 1236-41.
- Patience, C., Patton, G. S., Takeuchi, Y., Weiss, R. A., McClure, M. O., Rydberg, L. und Breimer, M. E. (1998). No evidence of pig DNA or retroviral infection in patients with short-term extracorporeal connection to pig kidneys. *Lancet* **352**(9129), 699-701.
- Patience, C., Switzer, W. M., Takeuchi, Y., Griffiths, D. J., Goward, M. E., Heneine, W., Stoye, J. P. und Weiss, R. A. (2001). Multiple groups of novel retroviral genomes in pigs and related species. *J Virol* **75**(6), 2771-5.
- Patience, C., Takeuchi, Y. und Weiss, R. A. (1997). Infection of human cells by an endogenous retrovirus of pigs. *Nat Med* **3**(3), 282-6.
- Patience, C., Takeuchi, Y. und Weiss, R. A. (1998). Zoonosis in xenotransplantation. *Curr Opin Immunol* **10**(5), 539-42.

- Pellett, P. E., Kousoulas, K. G., Pereira, L. und Roizman, B. (1985). Anatomy of the herpes simplex virus 1 strain F glycoprotein B gene: primary sequence and predicted protein structure of the wild type and of monoclonal antibody-resistant mutants. *J Virol* **53**(1), 243-53.
- Pellett, P. E., Wright, D. J., Engels, E. A., Ablashi, D. V., Dollard, S. C., Forghani, B., Glynn, S. A., Goedert, J. J., Jenkins, F. J., Lee, T. H., Neipel, F., Todd, D. S., Whitby, D., Nemo, G. J. und Busch, M. P. (2003). Multicenter comparison of serologic assays and estimation of human herpesvirus 8 seroprevalence among US blood donors. *Transfusion* **43**(9), 1260-8.
- Pereira, L. (1994). Function of glycoprotein B homologues of the family herpesviridae. *Infect Agents Dis* **3**(1), 9-28.
- Pietschmann, S. M., Gelderblom, H. R. und Pauli, G. (1989). Compartment-specific immunolocalization of conserved epitopes of the glycoprotein gB of herpes simplex virus type 1 and bovine herpes virus type 2 in infected cells. *Arch Virol* **108**(1-2), 1-17.
- Plonait, H. und Bickhardt, K. (1997). "Lehrbuch der Schweinekrankheiten." 2 ed. Parey Buchverlag, Berlin.
- Reid, H. W. und Buxton, D. (1989). Malignant catarrhal fever and the Gammaherpesvirinae of Bovidae. In "Herpesvirus diseases of cattle, horses and pigs" (Wittmann, G., Ed.), pp. 116-62. Kluwer, Boston.
- Reischl, U., Gerdes, C., Motz, M. und Wolf, H. (1996). Expression and purification of an Epstein-Barr virus encoded 23-kDa protein and characterization of its immunological properties. *J Virol Methods* **57**(1), 71-85.
- Roizman, B. (1996). Herpesviridae. 3 ed. In "Fields Virology" (Fields, B. N., Ed.), Vol. 2, pp. 2221-30. Lippincott-Raven, Philadelphia/New York.
- Roizman, B. und Sears, A. E. (1996). Herpes Simplex Viruses and Their Replication. 3 ed. In "Fields Virology" (Fields, B. N., Ed.), Vol. 2, pp. 2231-95. 2 vols. Lippincott-Raven, Philadelphia/New York.
- Rosengard, A. M., Cary, N. R., Langford, G. A., Tucker, A. W., Wallwork, J. und White, D. J. (1995). Tissue expression of human complement inhibitor, decay-accelerating factor, in transgenic pigs. A potential approach for preventing xenograft rejection. *Transplantation* **59**(9), 1325-33.
- Rovnak, J., Quackenbush, S. L., Reyes, R. A., Baines, J. D., Parrish, C. R. und Casey, J. W. (1998). Detection of a novel bovine lymphotropic herpesvirus. *J Virol* **72**(5), 4237-42.
- Sachs, D. H. (1994). The pig as a potential xenograft donor. *Vet Immunol Immunopathol* **43**(1-3), 185-91.
- Sambrook, J., Maniatis, T. und Fritsch, E. F. (1989). "Molecular cloning: a laboratory manual." 2 ed. Cold Spring Harbor Laboratory Press, New York.
- Sanger, F., Nicklen, S. und Coulson, A. R. (1977). DNA sequencing with chain-terminating inhibitors. *Proc Natl Acad Sci U S A* **74**(12), 5463-7.
- Sarmiento, M., Haffey, M. und Spear, P. G. (1979). Membrane proteins specified by herpes simplex viruses. III. Role of glycoprotein VP7(B2) in virion infectivity. *J Virol* **29**(3), 1149-58.
- Secchiero, P., Sun, D., De Vico, A. L., Crowley, R. W., Reitz, M. S., Jr., Zauli, G., Lusso, P. und Gallo, R. C. (1997). Role of the extracellular domain of human herpesvirus 7 glycoprotein B in virus binding to cell surface heparan sulfate proteoglycans. *J Virol* **71**(6), 4571-80.
- Seibl, R. und Wolf, H. (1985). Mapping of Epstein-Barr virus proteins on the genome by translation of hybrid-selected RNA from induced P3HR1 cells and induced Raji cells. *Virology* **141**(1), 1-13.
- Simpson, G. R., Schulz, T. F., Whitby, D., Cook, P. M., Boshoff, C., Rainbow, L., Howard, M. R., Gao, S. J., Bohenzky, R. A., Simmonds, P., Lee, C., de Ruiter, A., Hatzakis, A., Tedder, R. S., Weller, I. V., Weiss, R. A. und Moore, P. S. (1996). Prevalence of Kaposi's sarcoma associated herpesvirus infection

- measured by antibodies to recombinant capsid protein and latent immunofluorescence antigen. *Lancet* **348**(9035), 1133-8.
- Specke, V., Rubant, S. und Denner, J. (2001). Productive infection of human primary cells and cell lines with porcine endogenous retroviruses. *Virology* **285**(2), 177-80.
- Stewart, J. P., Janjua, N. J., Sunil-Chandra, N. P., Nash, A. A. und Arrand, J. R. (1994). Characterization of murine gammaherpesvirus 68 glycoprotein B (gB) homolog: similarity to Epstein-Barr virus gB (gp110). *J Virol* **68**(10), 6496-504.
- Tacke, S. J., Bodusch, K., Berg, A. und Denner, J. (2001). Sensitive and specific immunological detection methods for porcine endogenous retroviruses applicable to experimental and clinical xenotransplantation. *Xenotransplantation* **8**(2), 125-35.
- Tanner, J., Weis, J., Fearon, D., Whang, Y. und Kieff, E. (1987). Epstein-Barr virus gp350/220 binding to the B lymphocyte C3d receptor mediates adsorption, capping, and endocytosis. *Cell* **50**(2), 203-13.
- Tanner, J. E. und Alfieri, C. (1999). Epstein-Barr virus induces Fas (CD95) in T cells and Fas ligand in B cells leading to T-cell apoptosis. *Blood* **94**(10), 3439-47.
- Tillmann, H. L. (2002). Donor Associated Infections in Allotransplantation. *Tx Med* **14**, 159-64.
- Tizard, I. R. (2000). "Veterinary immunology - an introduction." 6 ed. Saunders, Philadelphia.
- Tolkoff-Rubin, N. E. und Rubin, R. H. (1998). Viral infections in organ transplantation. *Transplant Proc* **30**(5), 2060-3.
- Torrise, M. R., Di Lazzaro, C., Pavan, A., Pereira, L. und Campadelli-Fiume, G. (1992). Herpes simplex virus envelopment and maturation studied by fracture label. *J Virol* **66**(1), 554-61.
- Tucker, A. W., Galbraith, D., McEwan, P. und Onions, D. (1999). Evaluation of porcine cytomegalovirus as a potential zoonotic agent in xenotransplantation. *Transplant Proc* **31**(1-2), 915.
- Tucker, A. W., McNeilly, F., Meehan, B., Galbraith, D., McArdle, P. D., Allan, G. und Patience, C. (2003). Methods for the exclusion of circoviruses and gammaherpesviruses from pigs. *Xenotransplantation* **10**(4), 343-8.
- Ulrich, S., Goltz, M. und Ehlers, B. (1999). Characterization of the DNA polymerase loci of the novel porcine lymphotropic herpesviruses 1 and 2 in domestic and feral pigs. *J Gen Virol* **80** ( Pt 12), 3199-205.
- van Grunsven, W. M., Nabbe, A. und Middeldorp, J. M. (1993). Identification and molecular characterization of two diagnostically relevant marker proteins of the Epstein-Barr virus capsid antigen complex. *J Med Virol* **40**(2), 161-9.
- Vanderplasschen, A., Bublot, M., Dubuisson, J., Pastoret, P. P. und Thiry, E. (1993). Attachment of the gammaherpesvirus bovine herpesvirus 4 is mediated by the interaction of gp8 glycoprotein with heparinlike moieties on the cell surface. *Virology* **196**(1), 232-40.
- Wang, X. und Hutt-Fletcher, L. M. (1998). Epstein-Barr virus lacking glycoprotein gp42 can bind to B cells but is not able to infect. *J Virol* **72**(1), 158-63.
- Weiss, R. A. (1998). Transgenic pigs and virus adaptation. *Nature* **391**, 327-8.
- Whitby, D. und Boshoff, C. (1998). Kaposi's sarcoma herpesvirus as a new paradigm for virus-induced oncogenesis. *Curr Opin Oncol* **10**(5), 405-12.
- Wilson, C. A., Wong, S., Muller, J., Davidson, C. E., Rose, T. M. und Burd, P. (1998). Type C retrovirus released from porcine primary peripheral blood mononuclear cells infects human cells. *J Virol* **72**(4), 3082-7.
- Wittmann, G. und Rziha, R. J. (1989). Aujeszky's disease (pseudorabies) in pigs. In "Herpesvirus diseases of cattle, horses and pigs" (Wittmann, G., Ed.), pp. 215-22. Kluwer, Boston.

- Zhu, L., Wang, R., Sweat, A., Goldstein, E., Horvat, R. und Chandran, B. (1999). Comparison of human sera reactivities in immunoblots with recombinant human herpesvirus (HHV)-8 proteins associated with the latent (ORF73) and lytic (ORFs 65, K8.1A, and K8.1B) replicative cycles and in immunofluorescence assays with HHV-8-infected BCBL-1 cells. *Virology* **256**(2), 381-92.