

List of Publications

1. H. zur Hausen and A. Lange : Die Isolierung eines Fibroblasten-ähnlichen Zellstammes mit heteroploider Transformation aus einer Primärkultur menschlicher Monozyten. *Naturwissenschaften* 52, 95, 1964
2. H. zur Hausen, A. Lange, and J. Fröhlich : Cytolyse und Cyto-Agglutination permanenter Mäusefibroblasten (L-strain) durch Humanserum. *Naturwissenschaften* 52, 558-559, 1964
3. A. Lange and H. zur Hausen : Über den Verlust der Neutralisierbarkeit von Poliomyelitisviren im Verlauf ihrer Adsorption an Nierenepithelzellen von M. rhesus. *Zeitschr. f. Hygiene* 150, 179-184, 1964
4. H. zur Hausen, H. Reinauer, J. Fröhlich, and A. Lange : Lipidspeicherung in permanenten Mäusefibroblasten (L-strain, Earle) in Abhängigkeit von der Serumkonzentration. Histochemische und quantitative Untersuchungen. *Zeitschr. f. Naturforschung* 19b, 1129-1134, 1964
5. H. zur Hausen, W. Mohrmann, and A. Lange: Eine Agartechnik zur Isolierung von genetisch reinen Stämmen aus etablierten Gewebekulturzellen. *Exp. Cell Res.* 40, 138-139, 1965
6. H. zur Hausen and B. Störmer: Cytogenetische Untersuchungen an L-Zellen nach Vaccinia-Virus-Infektion. *Path. et Mikrobiol.* 28, 962-973, 1965
7. H. zur Hausen and A. Lange: Isolierung eines permanenten Zellstammes aus Affennierengewebe und sein Verhalten gegenüber Polioviren (Wildvirus und attenuiertes Virus). *Zentralbl. f. Bakteriol. I. Ref.* 201, 336, 1966
8. H. zur Hausen, E. Lanz and B. Störmer: Chromosomale Aberrationen bei L-Zellen nach Vaccinia-Virus-Infektion. *Z. Med. Mikrobiol. Immunol.* 152, 60-65, 1966
9. H. zur Hausen, E. Lanz and B. Störmer: Chromosomale Aberrationen nach latenter Infektion eines klonierten L-Zellstammes mit Vaccinia-Virus. *Z. Med. Mikrobiol. Immunol.* 152, 66-72, 1966
10. H. zur Hausen, A. Lange and J. Fröhlich: Die Serumkonzentration als Auslesefaktor in der Gewebekultur. Cytogenetische Untersuchungen an Mäusefibroblasten (strain L). *Cytology (Tokyo)* 31, 339-348, 1966
11. H. zur Hausen : Chromosomal changes of similar nature in 7 established cell lines derived from the peripheral blood of patients with leukemia. *J. Natl. Cancer Inst.* 38, 683-696, 1967
12. H. zur Hausen, W. Henle, K. Hummler, V. Diehl, and G. Henle : Comparative study of cultured Burkitt tumor cells by immunofluorescence, autoradiography and electronmicroscopy. *J. Virol.* 1, 830-837, 1967
13. W. Henle, V. Diehl, G. Kohn, H. zur Hausen, and G. Henle : Herpes-type virus and chromosome marker in normal leukocytes after growth with irradiated Burkitt cells. *Science* 157, 1064-1065, 1967

14. *H. zur Hausen* : Induction of specific chromosomal aberrations by adenovirus type 12 in human embryonic kidney cells. *J. Virol.* 1, 1174-1185, 1967
15. *H. zur Hausen* : Association of adenovirus type 12 deoxyribonucleic acid with host cell chromosomes. *J. Virol.* 2, 218-223, 1968
16. *H. zur Hausen* : Chromosomal aberrations and cloning efficiency in adenovirus type 12-infected hamster cells. *J. Virol.* 2, 915-917, 1968
17. *H. zur Hausen* : Persistence of the virus genome in adenovirus type 12-infected hamster cells. *J. Virol.* 2, 918-924, 1968
18. *R. Waubke, H. zur Hausen and W. Henle* : Chromosomal and autoradiographic studies of cells infected with Herpes simplex virus. *J. Virol.* 2, 1047-1054, 1968
19. *W. Henle, G. Henle and H. zur Hausen* : Effect of Herpes simplex virus in cultured Burkitt tumor cells and its failure to influence the EBV carrier state. *Cancer Res.* 29, 4489-494, 1969
20. *B.B. Knowless, H. zur Hausen, Z. Steplewski, and H. Koprowski* : Interactions of tumor viruses following fusion of transformed cells. *Genetics* 60, 194, 1968
21. *H. zur Hausen* : Failure to detect incorporation of host cell DNA into virions of adenovirus type 12. *Virology* 38, 194-197, 1969
22. *H. zur Hausen and F. Sokol* : The fate of adenovirus type 12 genome in nonpermissive cells. *J. Virol.* 4, 256-263, 1969
23. *H. Schulte-Holthausen and H. zur Hausen* : Partial purification of the Epstein-Barr virus and some properties of its DNA.. *Virology* 40, 776-779, 1970
24. *H. zur Hausen and H. Schulte-Holthausen* : Presence of EB virus nucleic acid homology in a "virus-free" line of Burkitt tumor cells. *Nature (London)* 227, 245-248, 1970
25. *H. zur Hausen, H. Schulte-Holthausen, G. Klein, W. Henle, G. Henle, P. Clifford, and L. Santesson* : EBV DNA in biopsies of Burkitt tumours and anaplastic carcinoma of the nasopharynx. *Nature (London)* 228, 1056-1058, 1970
26. *H. zur Hausen* : Epstein-Barr virus in human tumor cells. *Intern. Rev. Exptl. Path.* 11, 233-258, 1972
27. *H. zur Hausen, V. Diehl, H. Wolf, H. Schulte-Holthausen, and U. Schneider* : Occurrence of EB virus genomes in human lymphoblastoid cell lines. *Nature (London)* 237, 189-190, 1972
28. *V. Diehl, H. Wolf, H. Schulte-Holthausen, and H. zur Hausen* : Re-exposure of human lymphoblastoid cell lines to Epstein-Barr virus. *Int. J. Cancer* 10, 641-651, 1972

29. H. zur Hausen : Interactions of adenovirus type 12 with host cell chromosomes. *In: Oncogenic Adenoviruses, Progr. Exptl. Tumor Res.*, S. Karger, Basel-New York, 18, 240-259, 1973
30. H. Wolf, H. zur Hausen and V. Becker : EB viral genomes in epithelial nasopharyngeal carcinoma cells. *Nature (London)* 244, 245-247, 1973
31. H. zur Hausen, W. Meinhof, W. Scheiber, and G.W. Bornkamm : Attempts to detect virus-specific DNA sequences in human tumors : I. Nucleic acid hybridizations with complementary RNA of human wart virus. *Int. J. Cancer* 13, 650-656, 1974
32. H. zur Hausen, H. Schulte-Holthausen, H. Wolf, K. Dörries, and H. Egger : Attempts to detect virus-specific DNA in human tumors: II. Nucleic acid hybridizations with complementary RNA of human herpes group viruses. *Int. J. Cancer* 13, 657-664, 1974
33. G. Klein, F. Wiener, L. Zech, H. zur Hausen, and B. Reedman: Segregation of EBV-determined nuclear antigen (EBNA) in somatic cell hybrids derived from the fusion of mouse fibroblasts. *Int. J. Cancer* 14, 54-64, 1974
34. H. Wolf, H. zur Hausen, G. Klein, V. Becker, G. Henle, and W. Henle: Attempts to detect virus-specific DNA sequences in human tumors: III. Epstein-Barr viral DNA in non-lymphoid nasopharyngeal carcinoma cells. *Med. Microbiol. Immunol.* 161, 15-21, 1975
35. H. zur Hausen: Oncogenic Herpesviruses. *Biochim. Biophys. Acta* 417, 25-53, 1975
36. U. Schneider and H. zur Hausen: Epstein-Barr virus-induced transformation of human leukocytes after cell fractionation. *Int. J. Cancer* 15, 59-66, 1975
37. M.A. Epstein, H. zur Hausen, G. Ball, and H. Rabin: Pilot experiments with EB virus in owl monkeys (*Aotus trivirgatus*). III. Serological and biochemical findings in an animal with reticuloproliferative disease. *Int. J. Cancer* 15, 17-22, 1975
38. J. Werner, H. Wolf, J. Apodoca, and H. zur Hausen: Lymphoproliferative disease in a cottontop marmoset after inoculation with infectious mononucleosis-derived Epstein-Barr virus. *Int. J. Cancer* 15, 1000-1008, 1975
39. C. Desgranges, H. Wolf, G. de Thé, K. Shanmugaratnam, N. Cammoun, R. Ellouz, G. Klein, K. Lennert, N. Munoz, and H. zur Hausen: Nasopharyngeal carcinoma. X. Presence of Epstein-Barr genomes in separated epithelial cells of tumors from Singapore, Tunisia and Kenya. *Int. J. Cancer* 16, 7-15, 1975
40. H. zur Hausen, L. Gissmann, W. Steiner, W. Dippold, and J. Dregger: Human papilloma viruses and cancer. *Bibliotheca Haematologica, J. Clemensen and D.S. Yohn (eds.)* 43, 569-571, 1975
41. H. zur Hausen: DNA viruses in human cancer: biochemical approaches. *Cancer Res.* 36, 414-416, 1976
42. H. zur Hausen: Condylomata acuminata and human genital cancer. *Cancer Res.* 36, 530, 1976

43. G. Bornkamm, H. Stein, H. Bartels, F. Rüggeberg, K. Lennert, and H. zur Hausen: Attempts to detect virus-specific DNA sequences in human tumors: IV. EBV DNA in European Burkitt's lymphoma and immunoblastic lymphadenopathy with excessive plasmacytosis. *Int. J. Cancer* 17, 177-181, 1976
44. K.O. Fresen and H. zur Hausen: Establishment of EBNA-expressing cell lines by infection of Epstein-Barr virus (EBV) genome-negative human lymphoma cells with different EBV strains. *Int. J. Cancer* 17, 161-166, 1976
45. L. Gissmann and H. zur Hausen: Human papilloma viruses: physical mapping and genetic heterogeneity. *Proc. Nat. Acad. Sci. U.S.* 73, 1310-1313, 1976
46. L. Gissmann, H. Pfister, and H. zur Hausen: Human papilloma viruses (HPV): Characterization of four different isolates. *Virology* 76, 569-580, 1977
47. K.O. Fresen, B. Merkt, G.W. Bornkamm, and H. zur Hausen: Heterogeneity of Epstein-Barr virus originating from P3HR-1 cells. I. Studies on EBNA induction. *Int. J. Cancer* 19, 317-323, 1977
48. K.O. Fresen and H. zur Hausen: Transient induction of a nuclear antigen unrelated to EBNA in EBV-converted human B-lymphoma cells. *Proc. Nat. Acad. Sci. U.S.* 74, 363-366, 1977
49. H. zur Hausen and K.O. Fresen: Heterogeneity of Epstein-Barr virus. II. Induction of early antigens (EA) by complementation. *Virology* 81, 138-143, 1977
50. H. zur Hausen: Human papilloma viruses and their possible role in squamous cell carcinomas. *Current Topics in Microbiol. Immunol.* 78, 1-30, 1977
51. H. Pfister, L. Gissmann, and H. zur Hausen: Partial characterization of the proteins of human papilloma viruses (HPV) 1-3. *Virology* 83, 131-137, 1977
52. L. Gissmann and H. zur Hausen: Inverted repetitive sequences in human papilloma virus (HPV) DNA. *Virology* 83, 271-276, 1977
53. H. zur Hausen, L. Gissmann, H. Pfister, W. Steiner, and S. Ojwang: Papilloma viruses and squamous cell carcinomas in man. *Perspectives in Virology*, M. Pollard (ed.), 10, 93-101, 1977
54. H. zur Hausen: Cell-virus gene balance hypothesis of carcinogenesis. *Behring Inst. Mitt.* 61, 23-30, 1977
55. H.J. Rziha, G.W. Bornkamm, and H. zur Hausen: BK virus: Seroepidemiological studies and serological response to viral infection. *Med. Microbiol. Immunol.* 165, 73-81, 1978
56. G. Werner and H. zur Hausen: Deletions and insertions in adenovirus type 12 DNA after viral replication in Vero cells. *Virology* 86, 66-78, 1978
57. H. Pfister and H. zur Hausen: Seroepidemiological studies of human papilloma virus (HPV-1) infections. *Int. J. Cancer* 21, 161-165, 1978

58. L. Gissmann and H. zur Hausen: Physical characterization of different human papilloma viruses. *Med. Microbiol. Immunol.* 166, 3-11, 1978
59. H. Pfister and H. zur Hausen: Characterization of proteins of human papilloma viruses (HPV) and antibody response to HPV 1. *Med. Microbiol. Immunol.* 166, 13-19, 1978
60. H. zur Hausen, F.J. O'Neill, U. Freese, and E. Hecker: Persisting oncogenic herpesvirus induced by the tumor promoter TPA. *Nature* 272, 373-375, 1978
61. R. Rziha, B. Balohradsky, U. Schneider, H.U. Schwenk, G.W. Bornkamm, and H. zur Hausen: BK virus. II. Serological studies in children with congenital disease and in patients with malignant tumors and immunodeficiencies. *Med. Microbiol. Immunol.* 165, 83-92, 1978
62. K.O. Fresen, M.S. Cho, and H. zur Hausen: Heterogeneity of Epstein-Barr virus. IV. Induction of a specific antigen by EBV from two transformed marmoset cell lines in Ramos cells. *Int. J. Cancer* 22, 160-165, 1978
63. K.O. Fresen, M.S. Cho, and H. zur Hausen: Recovery of transforming EBV from nonproducer cells after superinfection with nontransforming P3HR-1 EBV. *Int. J. Cancer* 22, 378-383, 1978
64. H. Pfister, B. Huchthausen, G. Gross, and H. zur Hausen: Seroepidemiological studies of bovine papilloma virus infections. *J. Natl. Cancer Inst.* 62, 1423-1425, 1979
65. H. zur Hausen and K.O. Fresen: Heterogeneity of Epstein-Barr virus. *Biochim. Biophys. Acta, Reviews an Cancer* 560, 343-353, 1979
66. H. Pfister, U. Linz, L. Gissmann, B. Huchthausen, D. Hofmann, and H. zur Hausen: Partial characterization of a new type of bovine papillomaviruses. *Virology*, 96, 1-8, 1979
67. H. zur Hausen, G.W. Bornkamm, R. Schmidt, and E. Hecker: Tumor initiators and promoters in the induction of Epstein-Barr virus. *Proc. Nat. Acad. Sci. U.S.* 76, 782-785, 1979
68. K. Bister, N. Yamamoto, and H. zur Hausen: Correlation between genome number and inducibility of Epstein-Barr virus in nonproducer cells. *Int. J. Cancer* 23, 818-825, 1979
69. N. Yamamoto, K. Bister, and H. zur Hausen: Retinoic acid inhibition of Epstein-Barr virus production. *Nature* 278, 553-554, 1979
70. K.O. Fresen, M.S. Cho, L. Gissmann, and H. zur Hausen: NC37-R1 EB virus: a possible recombinant between intracellular NC37 viral DNA and superinfecting P3HR-1 EBV. *Intervirology* 12, 303-310, 1979
71. N. Müller-Lantzsch, N. Yamamoto, and H. zur Hausen: Analysis of early and late induced EBV polypeptides. *Virology* 97, 378-387, 1979
72. E.I. Grussendorf and H. zur Hausen: Localization of viral DNA replication in sections of human warts by nucleic acid hybridization with complementary RNA of human papilloma virus type 1. *Arch. Derm Res.* 264, 55-63, 1979

73. *H. zur Hausen and L. Gissmann*: Lymphotropic papovavirus isolated from African green monkey and human cells. *Med. Microbiol. Immunol.* 167, 137-153, 1979
74. *N. Yamamoto and H. zur Hausen*: Tumor promoter TPA enhances transformation of human leukocytes by Epstein-Barr virus. *Nature* 280, 244-245, 1979
75. *J.R. Coggins jr. and H. zur Hausen*: Workshop on papillomaviruses and cancer. *Cancer Res.* 39, 545-546, 1979
76. *J. Hudewentz, G.W. Bornkamm, and H. zur Hausen*: Effect of the diterpene ester TPA on Epstein-Barr virus DNA synthesis in producer and nonproducer cell lines. *Virology* 100, 175-178, 1980
77. *N. Yamamoto and H. zur Hausen*: Effect of inhibition of DNA synthesis on Epstein-Barr virus induction of tumor promoters. *Virology* 101, 104-110, 1980
78. *J.F. Böcker, K.H. Tiedemann, G.W. Bornkamm, and H. zur Hausen*: Characterization of an EBV-like virus from African green monkey lymphoblasts. *Virology* 101, 291-295, 1980
79. *N. Müller-Lantzsch, B. Georg, N. Yamamoto, and H. zur Hausen*: Epstein-Barr virus induced proteins: II. Analysis of surface polypeptides from P3HR-1 superinfected NC37 cells by immunoprecipitation. *Virology* 102, 401-411, 1980
80. *N. Müller-Lantzsch, B. Georg, Y. Yamamoto, and H. zur Hausen*: Epstein-Barr virus induced proteins. III. Analysis of polypeptides from P3HR-1 superinfected NC37 cells by immunoprecipitation. *Virology* 102, 291-295, 1980
81. *L. Gissmann and H. zur Hausen*: Partial characterization of viral DNA from human genital warts (condylomata acuminata). *Int. J. Cancer* 25, 605-609, 1980
82. *N. Yamamoto, N. Müller-Lantzsch, and H. zur Hausen*: Effect of actinomycin D and cycloheximide on Epstein-Barr virus induction in lymphoblastoid cells. *J. Gen. Virol.* 51, 255-261, 1980
83. *N. Yamamoto, N. Müller-Lantzsch, and H. zur Hausen*: Differential inhibition of Epstein-Barr virus induction by the amino acid analogue, L-canavanine. *Int. J. Cancer* 25, 439-443, 1980
84. *L. Brade, N. Müller-Lantzsch, and H. zur Hausen*: B-lymphotropic papovavirus and possibility of infections in humans. *J. Med. Virol.* 6, 301-308, 1980
85. *M.S. Cho, K.O. Fresen, and H. zur Hausen*: Multiplicity-dependent biological and biochemical properties of Epstein-Barr virus (EBV) rescued from non-producer lines after superinfection with P3HR-1 EBV. *Int. J. Cancer* 26, 357-363, 1980
86. *H. zur Hausen*: Werner Henle 70 years. *Med. Microbiol. Immunol.* 168, 235-237, 1980
87. *H. zur Hausen*: The role of viruses in human tumors. In: *Advances in Cancer Research*, G. Klein and S. Weinhouse (eds), 33, 77-107, 1980.

88. I. Kruczek, E. Schwarz, and H. zur Hausen: Mutants of adenovirus type 12 after adaptation to growth in tumor cell lines: II. Reproducible acquisition of sequences after adaptation to a human cervical cancer cell line. *Int. J. Cancer* 27, 139-143, 1981
89. H. Pfister, F. Nürnberger, L. Gissmann, and H. zur Hausen: Characterization of a human papillomavirus from Epidermodysplasia verruciformis lesions of a patient from Upper Volta. *Int. J. Cancer* 27, 645-650, 1981
90. N. Müller-Lantzsch, B. Georg-Fries, H. Herbst, H. zur Hausen, and D. Braun: Epstein-Barr strain and group specific antigenic determinants detected by monoclonal antibodies. *Int. J. Cancer* 28, 321-327, 1981
91. N. Yamamoto and H. zur Hausen: Induction of Epstein-Barr virus early antigens by intercalating chemicals in B95-8 cells. *Virology* 115, 390-394, 1981
92. H. zur Hausen, E.-M. de Villiers, and L. Gissmann: Papillomavirus infections and human genital cancer. *J. Gyn. Oncol.* 12, 124-128, 1981
93. E.-M. de Villiers, L. Gissmann, and H. zur Hausen: Molecular cloning of viral DNA from human genital warts. *J. Virol.* 40, 932-935, 1981
94. L. Brade, W. Vogl, L. Gissmann, and H. zur Hausen: Propagation of B-lymphotropic papovavirus (PPV) in human B-lymphoma cells and characterization of its DNA. *Virology* 114, 228-235, 1981
95. E. Schwarz, C. Reinke, N. Yamamoto, and H. zur Hausen: Terminal rearrangements in the genome of adenovirus type 12 mutants adapted to growth in two human tumor cell lines. *Virology* 116, 284-296, 1982
96. L. Gissmann, E.-M. de Villiers, and H. zur Hausen: Analysis of human genital warts (condylomata acuminata) and other genital tumors for human papillomavirus type 6 DNA. *Int. J. Cancer* 29, 143-146, 1982
97. G. Bauer, P. Höfler, and H. zur Hausen: Epstein-Barr virus induction by a serum factor. I. Induction and cooperation with additional inducers. *Virology* 121, 184-194, 1982
98. H. zur Hausen and E.-M. de Villiers: Syncytium formation in aged umbelical cord blood macrophages. Attempts to demonstrate an infectious etiology. *Med. Microbiol. Immunol.* 170, 229-240, 1982
99. J.R. Schlehofer and H. zur Hausen: Induction of mutations within the host cell genome by partially inactivated herpes simplex virus type 1. *Virology* 122, 471-475, 1982
100. L. Gissmann, V. Diehl, H. Schultz-Coulon, and H. zur Hausen: Molecular cloning and characterization of human papillomavirus DNA from a laryngeal papilloma. *J. Virol.* 44, 393-400, 1982
101. H. zur Hausen: Human genital cancer - synergism between two virus infections or synergism between a virus infection and initiating events. *Lancet* 2, 1370-1373, 1982

102. L. Gissmann, L. Wolnik, H. Ikenberg, U. Koldovsky, H.G. Schnürch, and H. zur Hausen: Human papillomavirus type 6 and 11 sequences in genital and laryngeal papillomas and in some cervical cancers. *Proc. Nat. Acad. Sci. U.S.* 80, 560-563, 1983
103. J.R. Schlehofer, L. Gissmann, B. Matz, and H. zur Hausen: Herpes simplex virus induced amplification of SV40 sequences in transformed Chinese hamster cells. *Int. J. Cancer* 32, 99-103, 1983
104. D. Neumann-Haefelin, A. Rethwilm, G. Bauer, F. Gudat, and H. zur Hausen: Characterization of a foamy virus isolated from Cercopithecus aethiops lymphoblastoid cells. *Med. Microbiol. Immunol.* 172, 75-86, 1983
105. M. von Knebel Doeberitz, G.W. Bornkamm, and H. zur Hausen: Establishment of spontaneously outgrowing lymphoblastoid cell lines with cyclosporin A. *Med. Microbiol. Immunol.* 172, 87-99, 1983
106. M. Dürst, L. Gissmann, H. Ikenberg, and H. zur Hausen: A papillomavirus DNA from a cervical carcinoma and its prevalence in cancer biopsy samples from different geographic regions. *Proc. Nat. Acad. Sci. U.S.* 80, 3812-3815, 1983.
107. H. Ikenberg, L. Gissmann, G. Gross, E.-I. Grussendorf-Conen, and H. zur Hausen: Human papillomavirus type 16 related DNA in genital Bowen's disease and in Bowenoid papulosis. *Int. J. Cancer* 32, 563-564, 1983
108. N. Yamamoto, Y. Hinuma, H. zur Hausen, J. Schneider, and G. Hunsmann: African green monkeys are infected with adult T-cell leukemia virus or a closely related agent. *Lancet* 1, 240-241, 1983
109. J.R. Schlehofer, R. Heilbronn, B. Georg-Fries, and H. zur Hausen: Inhibition of initiator-induced SV40 gene amplification in SV40-transformed Chinese hamster cells by infection with a defective parvovirus. *Int. J. Cancer* 32, 591-595, 1983
110. R.C. Gallo, V.S. Klayanaraman, M.G. Sarngadharan, A. Sliski, E.C. Vonderheid, M. Maeda, Y. Nakao, K. Yamada, Y. Ito, N. Gutensohn, S. Murphy, P.A. Bunn, jr., D. Catovsky, M.F. Greaves, D.W. Blayney, W. Blattner, W.F.H. Jarrett, H. zur Hausen, M. Seligmann, R.C. Brouet, B.F. Haynes, B.V. Jegasothy, E. Jaffe, J. Cossmann, S. Broder, R.I. Fisher, D.W. Golde, and M. Robert-Guroff: Association of human type C retrovirus with a subset of adult T-cell cancers. *Cancer Res.* 43, 3892-3899, 1983
111. E. Schwarz, M. Dürst, C. Demankowski, O. Lattermann, R. Zech, E. Wolfsberger, S. Suhai, and H. zur Hausen: DNA sequence and genome organization of genital human papillomavirus type 6b. *EMBO J.* 2, 2341-2348, 1983
112. H. zur Hausen: Herpes simplex virus in human genital cancer. *Int. Rev. Exptl. Path.* 25, 307-326, 1983
113. H. zur Hausen, L. Gissmann, and J.R. Schlehofer: Viruses in the etiology of human genital cancer. *Progr. Med. Virol.* 30, 170-186, 1984

114. B. Matz, J.R. Schlehofer, and H. zur Hausen: Identification of a gene function of herpes simplex virus type 1 essential for amplification of simian virus 40 DNA sequences in transformed hamster cells. *Virology* 134, 328-337, 1984
115. U. Bantel-Schaal and H. zur Hausen: Characterization of the DNA of a defective human parvovirus isolated from genital sites. *Virology* 134, 52-63, 1984
116. B. Georg-Fries, S. Biederlack, J. Wolf, and H. zur Hausen: Analysis of proteins, helper dependence and seroepidemiology of a new human parvovirus. *Virology* 134, 64-71, 1984
117. L.W. Daniel, G. Bauer, and H. zur Hausen: Effect of indomethacin on Epstein-Barr virus early antigen induction. *Cancer Res.* 44, 981-983, 1984
118. V. Takada and H. zur Hausen: Induction of Epstein-Barr virus antigens by tumor promoters for epidermal and nonepidermal tissues. *Int. J. Cancer* 33, 491-496, 1984
119. M.S. Cho, G.W. Bornkamm, and H. zur Hausen: Structure of defective DNA molecules in Epstein-Barr virus preparations from P3HR-1 cells. *J. Virol.* 51, 199-207, 1984
120. M. Boshart, L. Gissmann, H. Ikenberg, A. Kleinheinz, W. Scheurlen, and H. zur Hausen: A new type of papillomavirus DNA, its presence in genital cancer and in cell lines derived from genital cancer. *EMBO J.* 3, 1151-1157, 1984.
121. R. Heilbronn, J.R. Schlehofer, and H. zur Hausen: Selective killing of carcinogen-treated SV40-transformed Chinese hamster cells by a defective parvovirus. *Virology* 126, 439-441, 1984
122. L. Gissmann, M. Boshart, M. Dürst, H. Ikenberg, D. Wagner, and H. zur Hausen: Presence of human papillomavirus in genital tumors. *J. Invest. Dermatol.* 83, 26-28, 1984
123. A. Stremlau, L. Gissmann, H. Ikenberg, E. Stark, and H. zur Hausen: Human papillomavirus type 16 DNA in an anaplastic carcinoma of the lung. *Cancer* 55, 1737-1740, 1985
124. E. Schwarz, U.K. Freese, L. Gissmann, W. Mayer, B. Roggenbuck, and H. zur Hausen: Structure and transcription of human papillomavirus type 18 and 16 sequences in cervical carcinoma cells. *Nature* 314, 111-114, 1985
125. M. Pawlita, A. Clad, and H. zur Hausen: Complete DNA sequence of lymphotropic papovavirus (LPV): Prototype of a new species of the polyomavirus genus. *Virology* 143, 196-211, 1985
126. R. Brossmer, B. Bohn, A. Sauer, and H. zur Hausen: A comparison of established human lymphoma lines by flow cytometry: quantitation of ricinus communis agglutinine binding and the effect of specific glycosidases. *Eur. J. Cancer Clin. Oncol.* 7, 825-831, 1985
127. R. Heilbronn, J.R. Schlehofer, A.Ö. Yalkinoglu, and H. zur Hausen: Selective DNA amplification induced by carcinogens (initiators): evidence for a role of proteases and DNA polymerase α . *Int. J. Cancer* 36, 85-91, 1985
128. T. Löning, H. Ikenberg, J. Becker, L. Gissmann, I. Hoepfner, and H. zur Hausen:

Analysis of oral papillomas, leukoplakias and invasive carcinomas for human papillomavirus type related DNA. *J. Invest. Dermatol.* 84, 417-420, 1985

129. H. Ikenberg, D. Neumann-Haefelin, B. Richthammer, W. Wolfahrt, C.P. Adler, G. Bodo, L. Gissmann, and H. zur Hausen: Interferon therapy for bronchial papillomatosis controlled by papillomavirus DNA hybridization. *Arch. Otolaryngol.* 111, 96-98, 1985

130. E.-M. de Villiers, H. Weidauer, H. Otto, and H. zur Hausen: Papillomavirus DNA in human tongue carcinomas. *Int. J. Cancer* 36, 575-578, 1985

131. H. zur Hausen: Viruses as tumor initiators and tumor promoters. *Haematol. Blood Transfusion* 29, 306-307, 1985

132. J. Skare, J. Farley, J.L. Strominger, K.O. Fresen, M.S. Cho, and H. zur Hausen: Transformation by Epstein-Barr virus requires DNA sequences in the region of Bam H1 fragments Y and H. *J. Virol.* 55, 286-297, 1985

133. B. Matz, J.R. Schlehofer, H. zur Hausen, B. Huber, and F. Fanning: HSV- and chemical carcinogenesis-induced amplification of SV40 DNA sequences in transformed cells is cell-line dependent. *Int. J. Cancer* 35, 521-525, 1985

134. K. Dartmann, E. Schwarz, L. Gissmann, and H. zur Hausen: The nucleotide sequence and genome organization of human papillomavirus type 11. *Virology* 151, 124-130, 1986

135. E.-M. de Villiers, A. Schneider, G. Gross, and H. zur Hausen: Analysis of benign and malignant urogenital tumors for human papillomavirus infection by labelling cellular DNA. *Med. Microbiol. Immunol.* 174, 281-286, 1986

136. E.-M. de Villiers, C. Neumann, J.Y. Le, H. Weidauer, and H. zur Hausen: Infection of the oral mucosa with defined types of human papillomaviruses. *Med. Microbiol. Immunol.* 174, 287-294, 1986

137. E.-M. de Villiers, T. Oltersdorf, C. Neumann, G. Fierlbeck, and H. zur Hausen: Butcher's wart virus (HPV7) infections in non-butchers. *J. Invest. Dermatol.* 87, 236-238, 1986

138. Y. Tsunokawa, N. Takebe, S. Nozawa, T. Kasamatsu, L. Gissmann, H. zur Hausen, M. Terada, and T. Sugimura: Presence of human papillomavirus type 16 and 18 sequences and their expression in cervical cancers and cell lines from Japanese patients. *Int. J. Cancer* 37, 499-503, 1986

*139. T. Kahn, E. Schwarz, and H. zur Hausen: Molecular cloning and characterization of the DNA of a new human papillomavirus (HPV 30) from a laryngeal carcinoma. *Int. J. Cancer* 37, 61-65, 1986

140. H. zur Hausen: Papillomaviruses in human urogenital cancer. Established results and prospects for the future. *Banbury Report 21: Viral Etiology of Cervical Cancer (R. Peto and H. zur Hausen, eds.), pp. 327-332, 1986*

1401. E. Schwarz, A. Schneider-Gaedecke, B. Roggenbuck, W. Mayer, L. Gissmann, and H. zur Hausen: Expression of human papillomavirus DNA in cervical carcinoma cell lines.

Banbury Report 21: Viral Etiology of Cervical Cancer (R. Peto and H. zur Hausen, eds.) pp. 281-290, 1986

142. W. Scheurlen, A. Stremlau, L. Gissmann, D. Höhn, H.-P. Zenner, and H. zur Hausen: Rearranged HPV 16 molecules in an anal carcinoma and in a laryngeal carcinoma. *Int. J. Cancer* 38, 671-676, 1986

143. W. Scheurlen, L. Gissmann, G. Gross, and H. zur Hausen: Molecular cloning of two new HPV types (HPV 37 and HPV 38) from a keratoacanthoma and a malignant melanoma. *Int. J. Cancer* 37, 505-510, 1986

144. H. zur Hausen: Evidence for an association between human papillomaviruses and neoplasia. *Int. Med. for the Specialist* 7, 66-79, 1986

145. J.R. Schlehofer, M. Ehrbar, and H. zur Hausen: Vaccinia virus, herpes simplex virus and carcinogens induce DNA amplification in a human cell line and support replication of a helper-dependent parvovirus. *Virology* 152, 110-117, 1986

146. E.-M. de Villiers, H. Weidauer, J.-Y. Le, C. Neumann, and H. zur Hausen: Papillomaviren in benignen und malignen Tumoren des oberen Respirationstraktes. *Laryng. Rhinol. Otol.* 65, 177-179, 1986

147. M. Boshart and H. zur Hausen: Human papillomaviruses (HPV) in Buschke-Loewenstein tumors: physical state and identification of a tandem duplication in the non-coding region of a HPV 6-subtype. *J. Virol.* 58, 963-966, 1986.

* 148. H. zur Hausen: Intracellular surveillance of persisting viral infections: Human genital cancer resulting from failing cellular control of papillomavirus gene expression. *Lancet* 2, 489-491, 1986

149. R. Heilbronn, G. Jahn, A. Bürkle, U.-K. Freese, B. Fleckenstein, and H. zur Hausen: Genomic localization, sequence analysis, and transcription of the human cytomegalovirus-induced DNA polymerase. *J. Virol.* 61, 119-124, 1987

150. A. Mincheva, L. Gissmann, and H. zur Hausen: Chromosomal integration sites of human papillomavirus DNA in three cervical cancer cell lines mapped by in-situ hybridization. *Medical Microbiol. Immunol.* 176, 245-256, 1987

151. H. zur Hausen and J.R. Schlehofer: The role of DNA amplification in tumor development: Prospects from virological studies. In: *Accomplishments in Oncology*, H. zur Hausen and J.R. Schlehofer, eds. Lippincott Co., Philadelphia, pp. 1-8, 1987

152. A. Bürkle and H. zur Hausen: Influence of poly(ADP-ribose) metabolism on carcinogen-inducible DNA amplification. In: *Accomplishments in Oncology*, H. zur Hausen and J.R. Schlehofer, eds., Lippincott Co., Philadelphia, pp. 126-132, 1987

153. Ö. Yalkinoglu and H. zur Hausen: Carcinogen-induced DNA amplification of helper-dependent parvoviruses. In: *Accomplishments in Oncology*, H. zur Hausen and J.R. Schlehofer, eds., Lippincott, Philadelphia, pp. 153-160, 1987

154. R. Heilbronn, J.R. Schlehofer, and H. zur Hausen: Evidence for a role of cellular polymerase alpha in carcinogen-induced DNA amplification. In: *Accomplishments in Oncology*, H. zur Hausen and J.R. Schlehofer, eds., Lippincott, Philadelphia, pp.173-177, 1987
155. M. Pawlita, I. Botzenhardt, R. Heilbronn, and H. zur Hausen: Amplification of lymphotropic papovavirus DNA sequences in hamster and human cell lines. In: *Accomplishments in Oncology*, H. zur Hausen and J.R. Schlehofer, eds., Lippincott, Philadelphia, pp. 133-139, 1987
156. H. zur Hausen: Wie gesund sind "gesunde Bergschafe"? *Münch. Med. Wochenschrift* 129, 437-439, 1987
157. A. Bürkle, T. Meyer, H. Hilz, and H. zur Hausen: Enhancement of N-methyl-N'-nitro-N-nitrosoguanidine-induced DNA amplification in a simian virus 40-transformed Chinese hamster cell line by 3-aminobenzamide. *Cancer Res.* 47, 3632-3636, 1987
158. R. Klingel, A. Mincheva, T. Kahn, L. Gissmann, W. Dippold, T. Meyer, K.H. zum Büschenfelde, and H. zur Hausen: An amplification unit in human melanoma cells showing partial homology with sequences of human papillomavirus type 9 and Epstein-Barr virus nuclear antigen. *Cancer Res.* 47, 4485-4492, 1987
159. E.-M. de Villiers, D. Wagner, A. Schneider, H. Wesch, H. Micklaw, J. Wahrendorf, U. Papendick, and H. zur Hausen: Human papillomavirus infections in women without and with abnormal cervical cytology. *Lancet* 2, 703-706, 1987
160. E. Schwarz, A. Schneider-Gaedecke, and H. zur Hausen: Human papillomavirus type 18 transcription in cervical carcinoma cell lines and human cell hybrids. *Cancer Cells: Papillomaviruses*, Cold Spring Harbor Lab. Press, Vol. 5, 47-53, 1987
161. A. Stremlau, H.P. Zenner, L. Gissmann, and H. zur Hausen: Nachweis und Organisationsstruktur der DNS menschlicher Papillomviren beim Kehlkopf- und Hypopharynxcarcinom. *Laryngol. Rhinol. Otol.* 66, 311-315, 1987
162. M. Grimmel, E.-M. de Villiers, M. Pawlita, C. Neumann and H. zur Hausen: Characterization of a new human papillomavirus type (HPV 41) isolated from dissiminated warts and the detection of closely related sequences in some squamous cell carcinomas. *Int. J. Cancer* 41, 5-9, 1988
163. U. Bantel-Schaal and H. zur Hausen: Adeno-associated viruses inhibit SV 40 DNA amplification and replication of herpes simplex virus in SV 40-transformed hamster cells. *Virology* 164, 64-74, 1988
164. U. Bantel-Schaal and H. zur Hausen: Dissociation of carcinogen-induced SV40 DNA amplification and amplification of AAV DNA in a Chinese hamster cell line. *Virology* 166, 113-122, 1988
165. A.Ö. Yalkinoglu, R. Heilbronn, A. Bürkle, J.R. Schlehofer, and H. zur Hausen: DNA amplification of adeno-associated virus as a response to cellular genotoxic stress. *Cancer Res.* 48, 3123-3129, 1988

166. F. Rösl, M. Dürst, and H. zur Hausen: Selective suppression of human papillomavirus transcription in non-tumorigenic cells by 5-azacytidine. *EMBO J.* 7, 1321-1328, 1988
167. H. zur Hausen: Papillomaviruses in human cancers. *Mol. Carcinogenesis* 1, 147-150, 1988
168. D. Greenspan, E.-M. de Villiers, J.S. Greenspan, Y.G. De Souza, and H. zur Hausen: Unusual HPV types in oral warts in association with HIV infection. *J. Oral Path.* 17, 482-487, 1988
169. E.-M. de Villiers, A. Hirsch-Behnam, C. von Knebel Doeberitz, and H. zur Hausen: Two newly identified human papillomavirus types (HPV 40 and 57) isolated from mucosal lesions. *Virology* 171, 248-259, 1989
170. F. Rösl, E.-M. Westphal, and H. zur Hausen: Chromatin structure and transcriptional regulation of human papillomavirus type 18 DNA in HeLa cells. *Mol. Carcinogenesis* 2, 72-80, 1989
171. S. Faisst, J.R. Schlehofer, and H. zur Hausen: Transformation of human cells by oncogenic viruses supports permissiveness for parvovirus H-1 propagation. *J. Virol.* 63, 2152-2158, 1989
172. J. Schmitt, K. Mergener, L. Gissmann, J.R. Schlehofer, and H. zur Hausen: Amplification of bovine papillomavirus DNA by N-methyl-N'-nitro-N-nitrosoguanidine, UV-irradiation, or infection by herpes simplex virus. *Virology* 172, 73-81, 1989
173. H. zur Hausen: Papillomaviruses in anogenital cancer: A model to understand the role of viruses in human cancers. *Cancer Res.* 49, 4677-4681, 1989
174. R. Heilbronn and H. zur Hausen: A subset of herpes simplex virus replication genes induces amplification within the host cell genome. *J. Virol.* 63, 3683-3692, 1989
175. H. zur Hausen: Papillomaviruses as carcinomaviruses. In: *Advances Viral Oncol. G. Klein, ed., Raven Press, New York, Vol. 8, 1-26, 1989*
176. H. zur Hausen: Papillomaviruses in anogenital cancer - the dilemma of epidemiological approaches. *J. Nat. Cancer Inst.* 81, 1680-1682, 1989
177. M. von Knebel Doeberitz, S. Koch, H. Drzonek, and H. zur Hausen: Glucocorticoid hormones reduce the expression of major histocompatibility class I antigens on human epithelial cells. *Europ. J. Immunol.* 20, 35-40, 1990
178. J. Wolf, M. Pawlita, J. Bullerdiek, and H. zur Hausen: Suppression of the malignant phenotype in somatic cell hybrids between Burkitt's lymphoma cells and EBV-immortalized lymphoblastoid cells despite deregulated c-myc expression. *Cancer Res.* 50, 3095-3100, 1990
179. M. von Knebel Doeberitz and H. zur Hausen: Growth-regulating functions of human papillomavirus early gene products in cervical cancer cells acting dominant over enhanced epidermal growth factor receptor expression. *Cancer Res.* 50, 3730-3736, 1990

180. R. Heilbronn, S. Weller, and H. zur Hausen: Herpes simplex virus type 1 mutants for origin binding protein induce DNA amplification in the absence of viral replication. *Virology* 179, 478-481, 1990
181. S. Faisst, S. Barnitzke, J.R. Schlehofer, and H. zur Hausen: Persistence of parvovirus H-1 in human B- and T-lymphoma cells. *Virus Res.* 16, 211-224, 1990
182. A.Ö. Yalkinoglu, J.R. Schlehofer, and H. zur Hausen: Inhibition of methyl-N'-nitro-N-nitrosoguanidine-induced methotrexate- and adriamycin-resistance in CHO cells by adeno-associated virus type 2. *Int. J. Cancer* 45, 1195-1203, 1990
183. R. Heilbronn, A. Bürkle, S. Stephan, and H. zur Hausen: The adeno-associated rep-gene suppresses herpes simplex virus induced DNA amplification. *J. Virol.* 64, 3012-3018, 1990
184. A. Bürkle, R. Heilbronn, and H. zur Hausen: Carcinogen-induced methotrexate resistance and dihydrofolate reductase gene amplification: potentiation by inhibitors of poly (ADP-ribose)polymerase. *Cancer Res.* 50, 5756-5760, 1990
185. F. Bosch, E. Schwarz, P. Boukamp, N.E. Fusenig, D. Bartsch, and H. zur Hausen: Suppression in vivo of human papillomavirus type 18 E6-E7 gene expression in nontumorigenic HeLa-fibroblast hybrid cells. *J. Virol.* 64, 4743-4754, 1990
186. J.R. Schlehofer and H. zur Hausen: Adenovirus infection induces amplification of persistent viral DNA sequences (simian virus 40, hepatitis B virus, bovine papillomavirus) in human and rodent cells. *Virus Res.* 17, 53-60, 1990
187. J. Wolf, B. Klevenz, M. Pawlita, D. Komitowski, G. Moldenhauer, and H. zur Hausen: Regressing nude mouse grafts of Burkitt's lymphoma x lymphoblastoid cell hybrids show deregulation of the c-myc gene and expression of the EBV latent membrane protein. *Int. J. Cancer* 47, 99-104, 1991
188. M. Dürst, F.X. Bosch, D. Glitz, A. Schneider, and H. zur Hausen: Inverse relationship between human papillomavirus (HPV) type 16 early gene expression and cell differentiation in nude mouse epithelial cysts and tumors induced by HPV positive human cell lines. *J. Virol.* 65, 796-804, 1991
189. M. von Knebel Doeberitz, T. Bauknecht, D. Bartsch, and H. zur Hausen: Influence of chromosomal integration on glucocorticoid regulated transcription of growth-stimulating papillomavirus E6-E7 genes in cervical carcinoma cells. *Proc. Nat. Acad. Sci. U.S.* 88, 1411-1415, 1991
190. H. zur Hausen: Papillomavirus-host cell interactions in the pathogenesis of anogenital cancer. In: *Origins of Human Cancer II*, J. Brugge, T. Curren, E. Harlow, and F. McCormick, eds. Cold Spring Harbor Lab. Press, pp. 685-705, 1991
191. F. Rösl, T. Achtstetter, K.-J. Hutter, T. Bauknecht, G. Futterman, and H. zur Hausen: Extinction of the HPV 18 upstream regulating region in cervical carcinoma cells after fusion with non-tumorigenic human keratinocytes under non-selective conditions. *EMBO J.* 10, 1337-1345, 1991

192. H. zur Hausen: Human papillomaviruses in the pathogenesis of anogenital cancer. *Virology* 184, 9-13, 1991
193. F. Hoppe-Seyler, K. Butz, and H. zur Hausen: Repression of human papillomavirus type 18 enhancer by the cellular transcription factor Oct-1. *J. Virol.* 65, 5613-5618, 1991
194. H. zur Hausen: Viruses in human cancers. *Science* 254, 1167-1173, 1991
195. S. Reutter, H. Delius, T. Kahn, B. Hofmann, H. zur Hausen, and E. Schwarz: Characterization of a novel human papillomavirus DNA in the cervical carcinoma cell line ME 180. *J. Virol.* 65, 5564-5568, 1991
196. F.X. Bosch, M. Dürst, E. Schwarz, P. Boukamp, N.E. Fusenig, and H. zur Hausen. The early genes E6 and E7 of cancer associated papillomaviruses as targets of tumor suppression? *Behring Inst. Mitt.* 89, 108-121, 1991
197. E.-M. de Villiers, D. Wagner, A. Schneider, F. Munz, H. Micklaw, and H. zur Hausen: Human papillomavirus DNA in women without and with cytological abnormalities: Results of a five year follow-up study. *Gynecol. Oncol.* 44, 33-39, 1992
198. C. Walz, J.R. Schlehofer, M. Flentje, and H. zur Hausen: Adeno-associated virus sensitizes HeLa cell tumors to gamma rays. *J. Virol.* 66, 5651-5657, 1992
199. P. Klein-Bauernschmitt, H. zur Hausen, and J.R. Schlehofer: Induction of differentiation-associated changes in established human cells by infection with adeno-associated virus type 2. *J. Virol.* 66, 4191-4200, 1992
200. D. Bartsch, B. Boye, C. Baust, H. zur Hausen, and E. Schwarz: Retinoic acid-mediated repression of human papillomavirus 18 transcription and different ligand regulation of the retinoic acid receptor β gene in nontumorigenic and tumorigenic HeLa hybrid cells. *EMBO J.* 11, 2283-2291, 1992
201. T. Kahn, H. Friesl, N.G. Kopeland, D.J. Gilbert, N.A. Jenkins, L. Gissmann, J. Kramer, and H. zur Hausen: Molecular cloning, analysis and chromosomal localization of a mouse genomic sequence related to the human papillomavirus type 18 E5 region. *Mol. Carcinogenesis* 6, 88-99, 1992
202. M. Dürst, D. Glitz, A. Schneider, and H. zur Hausen: Human papillomavirus type 16 (HPV 16) gene expression and DNA replication in cervical neoplasia: analysis by in situ hybridization. *Virology* 189, 132-140, 1992
203. H. zur Hausen: Viruses in human tumors - personal reflections. *Behring Inst. Mitt.* 91, 21-27, 1992
204. T. Bauknecht, P. Angel, H.-D. Royer, and H. zur Hausen: Identification of a negative regulatory domain in the human papillomavirus type 18 promoter: Interaction with the transcriptional repressor YY1. *EMBO J.* 11, 4607-4617, 1992
205. M. von Knebel Doeberitz, C. Rittmüller, D. Glitz, H. zur Hausen, and M. Dürst: Inhibition of tumorigenicity by cervical cancer cells in nude mice by HPV 18 E6-E7 antisense RNA. *Int. J. Cancer* 51, 831-834, 1992

206. B.C. Das, J.K. Sharma, V. Gopalkrishna, D.K. Das, V. Singh, L. Gissmann, H. zur Hausen, and U.K. Luthra. 1992. A high frequency of human papillomavirus DNA sequences in cervical carcinomas of Indian women as revealed by Southern blot hybridization and polymerase chain reaction. *J. Med. Virol.* 36, 239-245.
207. J. Wolf, M. Pawlita, B. Klevenz, B. Frech, U.-K. Freese, N. Müller-Lantzsch, V. Diehl, and H. zur Hausen: Downregulation of integrated Epstein-Barr virus nuclear antigen 1 and 2 genes in a Burkitt's lymphoma cell line after somatic cell fusion with autologous EBV-immortalized lymphoblastoid cells. *Int. J. Cancer* 53, 621-627, 1993
208. F. Rösl, A. Arab, B. Klevenz, and H. zur Hausen: The effect of DNA methylation on gene regulation of human papillomaviruses. *J. Gen. Virol.* 74, 791-801, 1993
209. R. Heilbronn, I. Albrecht, S. Stephan, A. Bürkle, and H. zur Hausen: Human cytomegalovirus induces JC virus replication in human fibroblasts. *Proc. Nat. Acad. Sci. U.S.* 90, 11406-11410, 1993
210. H. zur Hausen: Molecular pathogenesis of cancer of the cervix and its causation by specific HPV types. *Curr. Topics Microbiol. Immunol.* 186, 131-156, 1994
211. F. Rösl, M. Lengert, J. Albrecht, K. Kleine, R. Zawatzky, B. Schraven, and H. zur Hausen: Differential regulation of the JE gene encoding the monocyte chemoattractant protein (MCP-1) in cervical carcinoma cells and derived hybrids. *J. Virol.* 68, 2142-2150, 1994
212. H. zur Hausen: Disrupted dichotomous intracellular control of human papillomavirus infection in cancer of the cervix. *Lancet* 343, 955-957, 1994
213. T. Kahn, E. Turazza, R. Ojeda, A. Bercovich, a: Stremlau, P. Lichter, A. Poustka, S. Grinstein, and H. zur Hausen: Intergration of human papillomavirus type 6a DNA in a tonsillar carcinoma: chromosomal localization and nucleotide sequence of the genomic target region. *Cancer Res.* 54, 1305-1312, 1994
214. H. zur Hausen and E.-M. de Villiers: Human papillomaviruses. *Ann. Rev. Microbiol.* 48, 427-447, 1994
215. H. zur Hausen: Krebsentstehung durch Infektionen - ein wichtiger, noch wenig beachteter Sektor der Krebsforschung. *Deutsches Ärzteblatt* 91, 551-553, 1994
216. H. Kitasato, H. Delius, H. zur Hausen, K. Sorger, F. Rösl, and E.-M. de Villiers: Sequence rearrangements in the HPV 6 URR: Are these involved in malignant transition? *J. Gen. Virol.* 75, 1157-1162, 1994
217. V. Shamanin, M. Glover, C. Rausch, C. Proby, I.M. Leigh, H. zur Hausen, and E.-M. de Villiers: Specific types of HPV found in benign proliferations and in carcinomas of the skin in immunosuppressed patients. *Cancer Res.*, 54, 4610-4613, 1994
218. H. Delius, M.A. van Ranst, A.B. Jensen, H. zur Hausen, and J.P. Sundberg: Canine oral papillomavirus genome sequence: a unique 1.5-kb intervening sequence between the E2 and L2 open reading frame. *Virology* 204, 447-452, 1994.

219. H. zur Hausen: Papillomviren als Ursache des Gebärmutterhalskrebses. *Deutsches Ärzteblatt* 91, 1448-1450, 1994.
220. H. zur Hausen and F. Rösl: Pathogenesis of cancer of the cervix. *Cold Spring Harbor Symp. Quantit. Biol.* 59, 623-628, 1994
221. T. Bauknecht, F. Jundt, I. Herr, T. Oehler, H. Delius, Y. Shi, P. Angel, and H. zur Hausen: A "switch region" determines cell type specific positive or negative action of YY1 on the activity of the HPV-18 promoter. *J. Virol.* 69, 1-12, 1995
222. M. Dürst, S. Seagon, S. Wanschura, H. zur Hausen, and J. Bullerdiek: Malignant progression of an HPV 16-immortalized human keratinocyte cell line (HPK IA) in vitro. *Cancer Genetics & Cytogenetics*, 85, 105-112, 1995
223. Kleine, K., König, G., Kreuzer, J., Komitowski, D., zur Hausen, H., and Rösl, F.: The role of the JE (MCP-1) gene encoding the monocyte chemoattractant protein-1 on the growth behaviour of HeLa cells and derived somatic cell hybrids in nude mice. *Molecular Carcinogenesis*, 14, 179-189, 1995
224. H. zur Hausen: Are human papillomavirus infections not necessary or sufficient causal factors for invasive cancer of the cervix (Letter to the Editor). *Int. J. Cancer*, 63, 315-316, 1995.
225. H. zur Hausen: The benefits of genome research. *Interdisc. Science Reviews*, 20, 4-5, 1995.
226. F. Jundt, I. Herr, P. Angel, H. zur Hausen, and T. Bauknecht: Transcriptional control of human papillomavirus type 18 oncogene expression in different cell lines: role of transcription factor YY1. *Virus Genes* 11, 53-58, 1995.
227. H. zur Hausen: Roots and perspectives of contemporary papillomavirus research. *J. Cancer Res. Clin. Oncol.* 122, 3-13, 1996.
228. H. zur Hausen: Viruses in human tumors - reminiscences and perspectives. In: *Advances in Cancer Res.* G. Klein and G.F. Vande Woude (eds.), 68, 1-22, 1996.
229. V. Shamanin, V., zur Hausen, H., Lavergne, D., Proby, C., Leigh, I.M., Neumann, C., Hamm, H., Goos, M., Hausteil, U.-F., Jung, E.G., Plewig, G., Wolff, H., and de Villiers, E.-M. 1996. Human papillomavirus infections in non-melanoma skin cancers from renal transplant recipients and nonimmunosuppressed patients. *J. Natl. Cancer Inst.*, 88, 802-811.
230. H. zur Hausen: Perspektiven des Humangenomprojektes. *Biologie in unserer Zeit*, 26, 21-25, 1996.
231. Bannasch, P., Bartsch, H., Oehlert, W., Wahrendorf, J., and zur Hausen, H.: Infektion mit *Helicobacter pylori*: Verhütet die Eradikation das Magenkarzinom? *Deutsches Ärzteblatt* 13, 826-828, 1996.
232. H. zur Hausen: Papillomavirus infections - a major cause of human cancers. *Biochem. Biophys. Acta, Rev. on Cancer*, 1288, F55-F78, 1996.

233. F. Rösl, B.C. Das, M. Lengert, K. Geletneky, and H. zur Hausen: Antioxidant-induced changes in AP-1 composition result in a selective suppression of human papillomavirus transcription. *J. Virol.* 71, 362-370, 1997.

234. J. Hermanns, P. Jansen-Dürr, J.A. Kleinschmidt, R. Schmidt, A. Schulze and H. zur Hausen: Infection of primary cells by AAV2 results in a modulation of cell-cycle regulating proteins. *J. Virol.* 71, 620-627, 1997.

235. C. Völter, H. zur Hausen, D. Alber, and E.-M. de Villiers: Screening human tumor samples with a broad spectrum PCR method for the detection of polyomaviruses. *Virology*, 237, 389-396, 1997

236. T. Maehama, A. Patzelt, M. Lengert, K.-J. Hutter, K. Kanazawa, H. zur Hausen, and F. Rösl: Selective down-regulation of the human papillomavirus transcription by 2-deoxyglucose. *Int. J. Cancer*, 76, 639-646, 1998

237. T. Rothmann, A. Hengstermann, N.J. Whitaker, M. Scheffner, and H. zur Hausen: Replication of ONYX-015, a potential anticancer adenovirus, is independent of the p53 status in tumor cells. *J. Virol.*, 72, 9470-9478, 1998

238. H. zur Hausen: Cervical cancer: Papillomaviruses and p53. News and Views, *Nature*, 393, 217, 1998.

239. U. Soto, B.C. Das, M. Lengert, F. Finzer, H. zur Hausen, and F. Rösl: Conversion of HPV 18 positive non-tumorigenic HeLa-fibroblast hybrids to invasive growth involves loss of TNF- α mediated repression of viral transcription and modification of the AP-1 transcription complex. *Oncogene*, 18, 3187-3198, 1999.

240. U. Bantel-Schaal, H. Delius, R. Schmidt, and H. zur Hausen: Human adeno-associated virus type 5 is only distantly related to other known primate helper-dependent parvoviruses. *J. Virol.*, 73, 939-94, 1999.

241. zur Hausen, H.: Viruses in human cancers. Millenium Rev. 2000, *Europ. J. Cancer*, 35, 1174-1181, 1999.

242. zur Hausen, H.: Papillomaviruses in human cancers. *Proc. Assoc. Am. Phys.* 111, 581-587, 1999.

243. zur Hausen, H.: Immortalization of human cells and their malignant conversion by high risk human papillomavirus genotypes. *Seminars Cancer Biol.* 9, 405-411, 1999.

244. zur Hausen, H.: Papillomaviruses causing cancer: evasion from host cell control in early events in carcinogenesis. *J. Nat. Cancer Inst.* 92, 690-698, 2000.

245. Soto, U., Denk, C., Lengert, M., Finzer, P., Hutter, K.-J., zur Hausen, H., and Rösl, F. Genetic complementation to non-tumorigenicity in cervical carcinoma cells correlates with alterations in AP-1 composition. *Int. J. Cancer*, 86, 811-817, 2000.

246. Finzer, P., Soto, U., Delius, H., Patzelt, A., Coy, J.F., Poustka, A., zur Hausen, H., and Rösl, F. Differential transcriptional regulation of the monocyte-chemoattractant protein-1

(MCP-1) gene in tumorigenic and non-tumorigenic HPV 18 positive cells: The role of chromatin structure and AP-1 composition. *Oncogene* 2000; 19: 3235-3244.

247. zur Hausen, H.: Proliferation-inducing viruses in non-permissive systems as possible causes of human cancers. *Lancet* 2001; 357: 381-384.

248. Aguilar-Lemarroy, A., Kirchhoff, S., Whitaker, N., Gariglio, P., zur Hausen, H., Krammer, P.H., and Rösl, F. Differential sensitivity of human papillomavirus type 16 and 18-positive cervical carcinoma cells to CD95-mediated apoptosis. *Int. J. Cancer* 2001; 93: 823-831.

249. Finzer, P., Kuntzen, C., Soto, U., zur Hausen, H., and Rösl, F. Inhibitors of histone deacetylase arrest cell cycle and induce apoptosis in cervical carcinoma cells circumventing human papillomavirus oncogene expression. *Oncogene* 2001; 20: 4768-4776.

250. Bosch, F.X., Rohan, T., Schneider, A., Frazer, I., Pfister, H., Castellsagué, X., de Sanjosé, S., Moreno, V., Puig-Tintore, L.M., Smith, P.G., Muñoz, N., and zur Hausen, H. Papillomavirus research update: highlights of the Barcelona HPV 2000 international papillomavirus conference. *J. Clin. Pathol.* 2001; 54: 164-175.

251. zur Hausen, H. Cervical carcinoma and human papillomavirus: on the road to preventing a major human cancer. Invited Editorial, *J. Nat. Cancer Inst.* 2001; 93: 252-253.

252. zur Hausen, H. Oncogenic DNA viruses. *Oncogene* 2001; 20: 7820-7823.

253. Bachmann, A., Hanke, B., Rawatzky, R., Soto, U., van Riggelen, J., zur Hausen, H., and Rösl, F. Disturbance of tumor necrosis factor alpha-mediated interferon beta signaling in cervical carcinoma cells. *J. Virol.*, 2002; 76:280-291.

254. Aguilar-Lemarroy, A., Gariglio, P., Whitaker, N., Eichhorst, S., zur Hausen, H., Krammer, P.H., and Rösl, F. Restoration of p53 expression sensitizes human papillomavirus type 16 immortalized human keratinocytes to CD95-mediated apoptosis. *Oncogene*, 2002; 21:165-175.

255. de Villiers, E.-M., Schmidt, R., Delius, H., and zur Hausen, H. Heterogeneity of TT virus-like sequences isolated from human tumour biopsies. *J. Mol. Med.* 2002; 80: 44-50.

256. zur Hausen, H. Papillomaviruses and cancer: from basic studies to clinical application. *Nature Rev. Cancer* 2002; 2:342-350.

257. Cid-Arragui, A., Juárez, V. and zur Hausen, H. A synthetic E7 gene of human papillomavirus type 16 that yields enhanced expression of the protein in mammalian cells and its application to DNA immunization studies. *J. Virol.* 2003; 77: 4928-4937.

258. zur Hausen, H. SV40 in human cancers – an endless tale? Editorial. *Int. J. Cancer* 2003;107: 687.

259. Helfrich, I., Chen, M., Schmidt, R., Fürstenberger, G., Kopp-Schneider, A., Trick, D., Gröne, H.-J., zur Hausen, H., and Rösl, F. Increased incidence of squamous cell carcinomas in *Mastomys natalensis* papillomavirus E6 transgenic mice during two-stage skin carcinogenesis. *J. Virol.* 2004, 78: 4797-4805.

260. Jelcic, I., Hotz-Wagenblatt, A., Hunzicker, A., zur Hausen, H., and de Villiers, E.-M. Isolation of multiple TTV genotypes from a spleen biopsy of a Hodgkin patient: Genome reorganization and diversity in the hypervariable region. *J. Virol.*, 2004, 78: 7498-7507

261. de Villiers, E.-M., Fauquet, C., Broker, T.R., Bernard, H.-U., and zur Hausen, H. Classification of papillomaviruses. *Virology*, 2004, 324: 17-27.
262. zur Hausen, H. SV40 in human cancers: response to letter to the Editor. *Int.J. Cancer*, 2004, 110: 780.
263. DeCastro Arce J., Soto U., Van Riggelen J., Schwarz E., zur Hausen H., Rösl F. Ectopic expression of non-liganded RAR- β abrogates AP-1 activity by selective degradation of c-Jun in cervical carcinoma cells. *J Biol Chem*. 279: 45408-45416, 2004.
264. de Villiers, E.-M., Sandstrom, R.E., zur Hausen, H., and Buck, C.E. Presence of papillomavirus sequences in condylomatous lesions of the mamillae and in invasive carcinoma of the breast. *Breast Cancer Res.*, 7: R1-11, 2005
265. Mossman, B.T., Klein, G. and zur Hausen, H. Modern criteria to determine the etiology of human carcinogens. *Semin. Cancer Biol.* 14: 449-452, 2004.
266. van Riggelen, J., Buchwalter, G., Soto, U., DeCastro Arce, J., zur Hausen, H., Wasylyk, B., and Rösl, F. Loss of Net as repressor leads to constitutive increased c-fos transcription in cervical cancer cells. *J. Biol. Chem.*, 280: 3286-3294, 2004.
267. zur Hausen, H. and de Villiers, E.-M. A virus target cell conditioning model to explain some epidemiological characteristics in childhood leukemias and lymphomas. *Int J. Cancer*, 115: 1-5, 2005.
268. Báez-Astúa, A., García Garbi, N., Pasolli, H.A., Herraes-Hernandez, E., Juarez, V., zur Hausen, H., and Cid-Arregui, A. Low-dose adenoviral vaccine encoding chimeric HBsAg-HPV16 E7 proteins induces E7-specific antibody and cytotoxic T cell responses. *J. Virol.*, 79: 12807-12817, 2005.
269. Sospedra, M., Zhao, Y., zur Hausen, H., Muraro, P.A., Hamashin, P., de Villiers, E.-M., Pinilla, C., and Martin, R. Recognition of conserved amino acid motifs of common viruses and its role in autoimmunity. *PLOS Pathol.* 1: 1-14, 2005.
270. H. zur Hausen. *Infections Causing Human Cancer*. Wiley-VCH, Weinheim/New York (Publ.), pp. 1-517, 2006.
271. H. zur Hausen. Perspectives of contemporary papillomavirus research. *Vaccine, Vaccine*, 24: Suppl 3:iii-iv, 2006.
272. H. zur Hausen. Streptococcus bovis (also S. infantarius): Causal or incidental involvement in cancer of the colon? Editorial. *Int. J. Cancer*, 119: xi-xii, 2006.
273. H. zur Hausen. Papillomaviruses – to Vaccination and Beyond. *Biokhimiya/Biochemistry (Moscow)*, 73: 498-503, 2008.
274. zur Hausen, H. Novel Human Polyomaviruses – Re-emergence of a Well Known Virus Family as Possible Human Carcinogens. Mini-Review. *Int. J. Cancer*, 123: 247-250, 2008.
275. H. zur Hausen and E.-M. de Villiers. TT Viruses – with oncogenic or tumorsuppressive properties? *Current Top. Microbiol. Immunol.* 331: 109-116, 2008.
276. Prusty, B.K., zur Hausen, H., Schmidt, R., Kimmel, R., and de Villiers, E.-M. Transcription of HERV-E and HERV-E-related sequences in malignant and non-malignant haematopoietic cells, *Virology*, 382: 37-45, 2008.

277. *zur Hausen, H.* Novel Human Polyomaviruses – Re-emergence of a Well Known Virus Family as Possible Human Carcinogens. Mini-Review. *Int. J. Cancer*, 123: 247-250, 2008.
278. *H. zur Hausen.* A specific signature of Merkel cell polyomavirus persistence in human cancer cells.. *Proc. Natl. Acad. Sci. USA*, 105: 16063-16064, 2008.
279. *E.-M. de Villiers and H. zur Hausen (eds.).* TT Viruses The Still Elusive Human Pathogens. *Current Top. Microbiol. Immunol.* 331: 1-230, 2008.
280. *H. zur Hausen.* Papillomaviruses in the causation of human cancers - a brief historical account. *Virology* 384: 260-265, 2009
281. *H. zur Hausen.* Childhood Leukemias and Other Hematopoietic Malignancies: Interdependence between an Infectious Event and Chromosomal Modifications. Hypothesis. *Int. J. Cancer*, 2009; in print.
282. *H. zur Hausen.* The Search for Infectious Causes of Human Cancers: Where and Why. The Prix Nobel 2008, Royal Swedish Acad. Sci., 2009.
283. *H. zur Hausen.* The search for infectious agents of human cancers: where and why. Nobel lecture 2008, *Virology*, in print.
284. *K. Michels and H. zur Hausen.* Vaccines for all. Invited comment. *Lancet*, 2009, submitted.