Exp.021
Dictamen Núm. I/2014/005

H. CONSEJO GENERAL UNIVERSITARIO
P R E S E N T E

A estas Comisiones Permanentes Conjuntas de Educación y de Hacienda ha sido turnado por el Consejo del Centro Universitario de Ciencias de la Salud, el dictamen número 1100/2013, de fecha del 25 de noviembre de 2013, en el que se propone se otorgue al Profesor Harald Zur Hausen, el título de "Doctor Honoris Causa" de esta máxima Casa de Estudios, y

R e s u l t a n d o s:

1. Que en sesión extraordinaria del 2 de diciembre de 2013, el Consejo del Centro Universitario de Ciencias de la Salud aprobó el dictamen 1100/2013, en el que la Comisión de Educación le propusiera otorgar el nombramiento de Dr. Honoris Causa de la Universidad de Guadalajara al Profesor Harald Zur Hausen.

2. Que el Profesor Harald Zur Hausen nació en la ciudad de Gelsenkirchen-Blue, Alemania, el 11 de marzo de 1936. Cursó la educación elemental y media superior en su ciudad natal. Posteriormente, realizó estudios de medicina en la Universidad de Bonn y después en la Universidad de Hamburgo. Obtuvo su doctorado en la Universidad de Düsseldorf en diciembre de 1960.

3. Que al terminar sus estudios de doctorado, trabajó como médico asistente por un lapso de dos años en la misma ciudad, para ingresar después al Instituto de Microbiología de la Universidad de Düsseldorf como asistente científico y posdoctorado.

4. Que después de tres años de colaborar como asistente en dicha universidad, se trasladó a la ciudad de Filadelfia, en los Estados Unidos, donde trabajó en el Laboratorio de Virología del Children's Hospital en 1969 y como profesor asistente en la Universidad de Pennsylvania.

5. Que a los 33 años de edad, decidió regresar a Alemania- en 1969-, en donde consiguió el puesto de profesor titular de la Universidad de Würzburg, como investigador del Instituto de Virología.

6. Que después de tres años, decidió trasladarse a la recién fundada Universidad de Erlangen-Nuremburg, donde se desempeñó como Investigador principal. En el año de 1977 se cambió a la Universidad de Freiburg (Breisgau), donde ostentó la misma posición.

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7. Que a partir de 1983 y hasta el año 2003, el Profesor Zur Hausen fungió como Director Científico del Centro Alemán de Investigación del Cáncer (DKFZ), en Heidelberg.

8. Que su ámbito específico de investigación fue el origen del cáncer causado por infecciones de virus. En 1976 publicó la hipótesis de que el virus del papiloma humano jugaba un papel importante en la causa del cáncer de cuello de útero. Sus trabajos científicos llevaron al desarrollo de una vacuna contra dicho virus que llegó al mercado en 2006.

9. Que por sus contribuciones seminales que demostraron el papel oncogénico del Virus del Papiloma Humano en el origen del cáncer del cuello uterino, el Profesor Zur Hausen recibió el **Premio Nobel de Medicina y Fisiología en el año 2008**. Sus descubrimientos contribuyeron al desarrollo de las vacunas que se usan actualmente contra dicho virus.

10. Que por sus méritos académicos, el Profesor Zur Hausen ha sido reconocido con un importante número de premios internacionales, entre ellos el Robert-Koch; el Charles S. Mott, de la General Motors Cancer Research Foundation; el Premio de la Federation of the European Cancer Societies Clinical Research; el Paul Ehrlich-Ludwig Darmstätte; el Premio Jung; el Premio Charles Rudolphe Brupbache; el Premio Principe Mahidol; el Premio Raymond Bourgine; el Premio Coley; Premio de la American Association for Cancer Research y la Orden Especial al Mérito de Alemania, entre otros.

11. Que por su gran calidad científica y humana, el Profesor Zur Hausen ha merecido más de 15 Doctorados Honoris Causa de diferentes Universidades, entre ellas la de Chicago, Umea, Praga, Salford, Helsinki, Erlangen-Nürnberg, Würzburg, Ferrara, Buenos Aires, Madrid, Melbourne, Salermo, Los Ángeles y Jerusalén.

12. Que desde el año 2000 y hasta diciembre de 2009, el Profesor Zur Hausen fungió como editor en jefe de la Revista *International Journal of Cancer* y ha sido miembro de las más importantes academias científicas de diferentes países.

13. Que en la actualidad, el Profesor Zur Hausen se dedica a impartir cursos y conferencias en diferentes partes del mundo y está dispuesto a asesorar y compartir sus conocimientos y experiencias a las nuevas generaciones.

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14. Que entre sus mas de 200 publicaciones se destacan las siguientes:

Publicaciones sobre Adenovirus:

- H. Zur Hausen: *Induction of specific chromosomal aberrations by adenovirus type 12 in human embryonic kidney cells*. J. Virol. 1, 1174-1185, 1967;
- H. Zur Hausen: *Association of adenovirus type 12 deoxyribonucleic acid with host cell chromosomes.* J. Virol. 2, 218-223, 1968;
- H. Zur Hausen: *Chromosomal aberrations and cloning efficiency in adenovirus type 12-infected hamster cells*. J. Virol. 2, 915-917, 1968;
- H. Zur Hausen: *Persistence of the virus genome in adenovirus type 12-infected hamster cells.* J. Virol. 2, 918-924, 1968;
- B.B. Knowless, H. Zur Hausen, Z. Steplewski, and H. Koprowski: *Interactions of tumor viruses following fusion of transformed cells.* Genetics 60, 194, 1968;
- H. Zur Hausen: *Failure to detect incorporation of host cell DNA into virions of adenovirus type 12*. Virology 38, 194-197, 1969;
- H. Zur Hausen and F. Sokol: *The fate of adenovirus type 12 genome in nonpermissive cells.* J. Virol. 4, 256-263, 1969;
- 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;
- 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;
- 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;
- 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;
- 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;
- 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;
- Báez-Astúa, A., García Garbi, N., Pasolli, H.A., Herraez-Hernandez, E., Juarez, V., Zur Hausen, H., and Cid-Arregui, A. *Low-does adenoviral vaccine encoding chimeric HBsAg-HPV16 E7 proteins induces E7-specific antibody and cytotoxic T cell responses.* J. Virol. 79: 12897-12817, 2005.

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Publications Epstein-Barr and other Herpesviruses:

- 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;
- 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;
- 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;
- 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;
- 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;
- 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;
- 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;
- H. Zur Hausen: Epstein-Barr virus in human tumor cells. Intern. Rev. Exptl. Path. 11, 233-258, 1972;
- 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;
- 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;
- H. Wolf, H. Zur Hausen and V. Becker: EB viral genomes in epithelial nasopharyngeal carcinoma cells. Nature (London) 244, 245-247, 1973;
- 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;
- 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;

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- H. Wolf, H. Zur Hausen, G.Klein, V. Becker, G. Henle, and W. Henle: Attempts to detect virusspecific DNA sequences in human tumors: III. Epstein-Barr viral DNA in non-lymphoid nasopharyngeal carcinoma cells. Med. Microbiol. Immunol. 161, 15-21, 1975;
- H. Zur Hausen: Oncogenic Herpesviruses. Biochim. Biophys. Acta 417, 25-53, 1975;
- U. Schneider and H. Zur Hausen: Epstein-Barr virus-induced transformation of human leukocytes after cell fractionation. Int. J. Cancer 15, 59-66, 1975;
- 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;
- 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;
- 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, Tunesia and Kenya. Int. J. Cancer 16, 7-15, 1975 20;
- H. Zur Hausen: DNA viruses in human cancer: biochemical approaches. Cancer Res. 36, 414-416, 1976;
- 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;
- 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;
- 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;
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- 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;
- N. Müller-Lantzsch, N. Yamamoto, and H. Zur Hausen: Analysis of early and late induced EBV polypeptides. Virology 97, 378-387, 1979;
- N. Yamamoto and H. Zur Hausen: Tumor promoter TPA enhances transformation of human leukocytes by Epstein-Barr virus. Nature 280, 244-245, 1979;
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- J.F. Böcker, K.H. Tiedemann, G.W. Bornkamm, and H. Zur Hausen: Characterization of an EBVlike virus from African green monkey lymphoblasts. Virology 101, 291-295, 1980;
- N. Müller-Lantzsch, B. Georg, N. Yamamoto, and H. Zur Hausen: Epstein-Barr virus inducedproteins: II. Analysis of surface polypeptides from P3HR-1 superinfected NC37 cells byimmunoprecipitation. Virology 102, 401-411, 1980;
- N. Müller-Lantzsch, B. Georg, Y. Yamamoto, and H. Zur Hausen: Epstein-Barr virus inducedproteins. III. Analysis of polypeptides from P3HR-1 superinfected NC37 cells by immunoprecipitation. Virology 102, 291-295, 1980;
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- H. Zur Hausen: Human genital cancer - synergism between two virus infections or synergismbetween a virus infection and initiating events. Lancet 2, 1370-1373, 1982;
- J.R. Schlehofer, L. Gissmann, B. Matz, and H. Zur Hausen: Herpes simplex virus inducedamplification of SV40 sequences in transformed Chinese hamster cells. Int. J. Cancer 32, 99-103,1983;
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- H. Zur Hausen: Herpes simplex virus in human genital cancer. Int. Rev. Exptl. Path. 25, 307-326,1983;
- B. Matz, J.R. Schlehofer, and H. Zur Hausen: Identification of a gene function of herpes simplexvirus type 1 essential for amplification of simian virus 40 DNA sequences in transformed hamstercells. Virology 134, 328-337, 1984;
- L.W. Daniel, G. Bauer, and H. Zur Hausen: Effect of indomethacin on Epstein-Barr virus earlyantigen induction. Cancer Res. 44, 981-983, 1984;
- 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;
- 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;

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- R. Heilbronn, G. Jahn, A. Bürkle, U.-K. Freese, B. Fleckenstein, and H. Zur Hausen: Genomiclocalization, sequence analysis, and transcription of the human cytomegalovirus-induced DNApolymerase. J. Virol. 61, 119-124, 1987;
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- U. Bantel-Schaal and H. Zur Hausen: Adeno-associated viruses inhibit SV 40 DNA amplificationand replication of herpes simplex virus in SV 40-transformed hamster cells. Virology 164, 64-74,1988;
- J. Schmitt, K. Mergener, L. Gissmann, J.R. Schlehofer, and H. Zur Hausen: Amplification ofbovine papillomavirus DNA by N-methyl-N'-nitro-N-nitrosoguanidine, UV-irradiation, or infection byherpes simplex virus. Virology 172, 73-81, 1989;
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- H. Zur Hausen: Infections Causing Human Cancer. Wiley-VCH, Weinheim/New York (Publ.), pp.1-517, 2006.

Publicaciones sobre Papilomavirus:

- H. Zur Hausen, W. Meinhof, W. Scheiber, and G.W. Bornkamm: Attempts to detect virus-specificDNA sequences in human tumors: I. Nucleic acid hybridizations with complementary RNA of humanwart virus. Int. J. Cancer 13, 650-656, 1974;
- H. Zur Hausen, L. Gissmann, W. Steiner, W. Dippold, and J. Dregger: Human papilloma virusesand cancer. Bibliotheca Haematologica, J. Clemensen and D.S. Yohn (eds.) 43, 569-571, 1975;
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- L. Gissmann and H. Zur Hausen: Human papilloma viruses: physical mapping and geneticheterogeneity. Proc. Nat. Acad. Sci. U.S. 73, 1310-1313, 1976;
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- E.I. Grussendorf and H. Zur Hausen: Localization of viral DNA replication in sections of humanwarts by nucleic acid hybridization with complementary RNA of human papilloma virus type 1. Arch.Derm Res. 264, 55-63, 1979;
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15. Que la Universidad de Guadalajara, al otorgar dicho doctorado, promueve, reconoce y se compromete a consolidar líneas de investigación en torno al cáncer y a vincularse con el equipo del Profesor Zur Hausen, y otras redes internacionales de investigación, para resolver problemas prioritarios para nuestro país y el mundo.

En virtud de los resultandos antes expuestos, y

C o n s i d e r a n d o:

I. Que la Universidad de Guadalajara es un organismo descentralizado del Gobierno del Estado de Jalisco con autonomía, personalidad jurídica y patrimonio propios, de conformidad con lo dispuesto en el artículo 1 de su Ley Orgánica, promulgada por el Ejecutivo local el día 15 de enero de 1994, en ejecución del decreto número 15319 del H. Congreso del Estado de Jalisco;

II. Que es atribución del Consejo General Universitario conferir títulos honoríficos con las categorías de Eméritos y Honoris Causa, de conformidad con lo dispuesto en su Ley Orgánica, artículo 31, fracción X;

III. Que son funciones y atribuciones de la Comisión de Educación, conforme lo establece el Estatuto General, artículo 85, fracción IV, conocer y dictaminar acerca de las propuestas de los Consejeros, Rector General o de los titulares de los Centros, Divisiones y Escuelas.

IV. Que el Consejo General Universitario funciona en pleno o por comisiones, las que pueden ser permanentes o especiales, como lo señala el artículo 27 del referido ordenamiento legal;

V. Que de conformidad a lo previsto en la fracción VI, artículo 52 de la Ley Orgánica, es atribución de los Consejos de Centro presentar candidatos para el otorgamiento de títulos honoríficos, con la categoría de eméritos y honoris causa al Consejo General Universitario.

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VI. Que tal y como lo dispone el numeral 6 del Reglamento para Otorgar Galardones y Méritos Universitarios, el Consejo de Centro Universitario presentará la propuesta para el otorgamiento de títulos honoríficos ante el Presidente del H. Consejo General Universitario, para someterla a discusión de las Comisiones de Educación y de Hacienda.

Por lo anteriormente expuesto y fundado, estas Comisiones Permanentes Conjuntas de Educación y de Hacienda nos permitimos proponer al pleno del H. Consejo General Universitario los siguientes:

Resolutivos:

PRIMERO. Se otorga el título de **"Doctor Honoris Causa" de la Universidad de Guadalajara al Profesor Harald Zur Hausen,** ejemplo a seguir para las nuevas generaciones por su contribución a la **salud pública**, al realizar investigaciones que dieron origen a la vacuna contra el virus del papiloma humano.

SEGUNDO. Llévese a cabo, en ceremonia solemne y pública, la entrega del título de "Doctor Honoris Causa" al Profesor Harald Zur Hausen.

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TERCERO. De conformidad a lo dispuesto en el último párrafo del artículo 35 de la Ley Orgánica, solicítese al C. Rector General resuelva provisionalmente la presente propuesta, en tanto la misma es aprobada por el pleno del H. Consejo General Universitario.

Atentamente
"PIENSA Y TRABAJA"
"Año del Centenario de la Escuela Preparatoria de Jalisco
Guadalajara, Jal., 28 de enero de 2014
Comisiones Permanentes Conjuntas de Educación y de Hacienda

Mtro. Itzcóatl Tonatiuh Bravo Padilla
Presidente

Dr. Héctor Raúl Solis Gadea

Mtro. Javier Espinoza de los Monteros Cárdenas

Dra. Leticia Leal Moya

Mtro. José Alberto Castellanos Gutiérrez

Dr. Héctor Raúl Pérez Gómez

Dr. Martín Vargas Madriña

C. Delanira Ziahuen Romero Lupercio

C. José Alberto Galarza Villaseñor

Mtro. José Alfredo Peña Ramos
Secretario de Actas y Acuerdos

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