

Curriculum Vitae

Wen-Hwa Lee (李文華)

ADDRESS

No.91 Hsueh-Shih Road
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Present position

Chancellor, China Medical University
Chair Professor, Inst. of New Drug Development
China Medical University

EDUCATION:

Ph.D. Department of Molecular Biology
1978 - 1981 University of California, Berkeley

M.S. Institute of Biochemistry
1975 - 1977 National Taiwan University

B.S. Department of Biology
1968 - 1972 National Taiwan Normal University

ACADEMIC APPOINTMENTS:

2012 - present Distinguished Research Fellow, Academia Sinica, Taipei, Taiwan

2007 - 2015 Adjunct Distinguished Chair Professor, Institute of Biochemistry
and Molecular Biology, National Taiwan University

2012 - present Endowed Chair Professor in Life Science, National Taiwan Normal
University

2007 - 2011 Visiting Distinguished Chair Research Fellow, Academia Sinica,
Taiwan

2003 - 2013 Donald Bren Chair Professor, Department of Biological Chemistry,
Univ. Cal, Irvine

2005 - 2008 Chair, Department of Biological Chemistry, College of
Medicine, Univ. California, Irvine

1996 - 2003 Chairman and University Chair Professor, Dept. of Molecular
Medicine

1991 - 2003 The University of Texas Health Science Center at San Antonio
Alice P. McDermott Distinguished University Chair Professor and
Director, Institute of Biotechnology

1993 - 1997 Chair, Graduate Program of Molecular Medicine
The University of Texas Health Science Center at San Antonio

1991 - 1994 Adjunct Professor, Chinese University of Science and Technology
Hefei, China

1990 - 1991 Professor, University of California, San Diego

1987 - 1990 Associate Professor, University of California, San Diego

1987 - 1988 Visiting Professor, Institute of Molecular Biology
Sinica Academia, Taipei, Taiwan

1984 - 1987 Assistant Professor, University of California, San Diego

1983 - 1984 Visiting Scientist, Lawrence Berkeley Laboratory

1982 - 1983 Research Scientist, Cetus Corporation, Berkeley

1981 - 1982 Postdoctoral Fellow, University of California, Berkeley

1977 - 1978 Teaching Assistant, Institute of Biochemistry
National Taiwan University, Taipei

1973 - 1975 Military Service (Junior Lieutenant), Taiwan

1972 - 1973 Teacher-Nankung Middle School-Taipei

MEMBERSHIPS:

National Academy of Inventors
Leukemia and Related Diseases
American Society for Microbiology
American Association for the Advancement of Science
New York Academia of Science
The Association for Research in Vision and Ophthalmology
Society of Chinese Bioscientists in America
American Associate of Cancer Research (AACR)
American Society of Human Genetics
American Society for Biochemistry and Molecular Biology

EDITORIAL BOARD:

Editor-in-Chief: American Journal of Translational Research
Biomedical Journal
Journal of Biomedical Science
~~The Women's Oncology Review~~
Cancer Research (1998-2008)

Pancrtiatic

ADVISORY BOARD:

Current:

Member, Scientific Advisory Board, Stem Cell and Cancer Institute (SCI), Indonesia
(2015-2020)

Member, Dean's Research Council, SOM, UC Irvine (2003 - 2014)

Member, Scientific Advisory board, City of Hope Cancer Center, (2009 - 2012).

Member, Advisory Committee, Institute of Biological Chemistry, Academia Sinica
(Nov., 2001 - present)

Member Board of Scientific Advisors, Cancer Institute of Chinese University of Hong
Kong (1994 - present)

Scientific Advisory Board, World Scientific Publishing Company, Inc. (1995 - present)

Scientific Council of the National Health Research Institutes, Taipei, Taiwan
(1997 - present)

Chairman of Cancer Review Panel, National Health Research Institutes, Taipei, Taiwan
(1999 - present)

生策會

衛福部癌症小組

中研究國家生技園區

李天德

林榮耀基金會董事

Past:

Member, Board of International Scientific Advisers, SHARF Foundation (2001 - 2005)

Member, Board of Directors. GeneTex, Inc.(1997 -2014)

Member, Advisory Committee for Biotechnology & Pharmaceutical Industries Program
Office (MOEA), R.O.C. (1998 -2005)

Chair, Scientific Advisory Board, Packlink Bioventure, Taiwan (2002 - 2008).

Member, Advisory Committee, Institute of Biomedical Sciences, Academia Sinica
(1997 - 2010)

Member, Scientific Advisory Council, Alliance for Cancer Gene Therapy (ACGT)
(2001 - 2007)

Member, Search Committee for Director, Institute for Drug Development
(1999 - 2001)

Member, Advisory Committee, Children's Cancer Research Center, UTHSC-SA
(1999 -2000)

Member, Board of Directors, Cancer Therapy and Research Center, San Antonio, TX

(1999 – 2000)

Scientific Advisor for Search Committee for Cancer Genetics Director, Arthur G. James Cancer Hospital and Research Institute, Columbus, Ohio (1994)

Chairman, Scientific Advisory Board of Canji, Inc. (1990 - 1995)

Member, Scientific Advisory Board of Canji Research Institute, Schering Plough (1996 -1999)

Member, Recruitment and Advisory Committee, National Health Research Institutes, Taiwan, R.O.C. (1996 - 1998).

Member, Advisory Committee, Genomic Research Center. Academia Sinica, Taiwan (2002 - present).

Member, Bioenterprise Steering Advisory Committee, Ministry of Economic Affairs, Development Center for Biotechnology, Taiwan (2001- 2005)

SERVICE:

Member, NIH Review Subcommittee MGB (2004-2007) and Cell biology (1992-1996)

Member, NCI Cancer Center Review Subcommittee A (1998 – 2002).

Member, Clowes Award Selection Committee, American Association for Cancer Research, Inc. (AACR) - (2004-2006)

Dean Advisory Board, Member, College of Medicine, Univ. California, Irvine (2004-).

Chair and member, Selecting Committee for Life Science, Presidential Science Award, Republic of China (2001 – 2004)

Member, Executive Committee, San Antonio Cancer Institute (1997 – 2003)

Program Director for Tumor Suppressor Gene & DNA Repair, San Antonio Cancer Institute (1997 – 2002)

Director, Training Program for Breast Cancer (1994 - 2003)

Building Planning Committee for UTHSCSA (1996 – 1999)

Ad hoc Committee Member for American Cancer Society Research Professorship (1994)

Organizer, Texas Triangle Meeting for Molecular Medicine (1992, 1993, 1994 & 1995)

Member of Committee for the University Distinguished Lecture Series, UTHSC-SA, (1995)

Member of Dual Degree Programs Committee, UTHSCSA (1995 - 1996)

Member of the Graduate School Strategic Planning Committee, UTHSCSA (1992 - 1996)

Member of Core Committee in Molecular Pathology, Ph.D. Program and Admission Committee for Graduate Student, UCSD (1984 - 1991)

Chair of Examination Committee, UCSD (1984 - 1991)

Member of National Institute of Health - Visual Science Study Section Adhoc Committee (1990)

Director of Training Program of Molecular Genetics of Vision Research (1989 - 1991)

Director, Research Program of Cancer Suppression by the Retinoblastoma Gene
(1989 -1991)

Member of University of California, Cancer Research Coordinating Committee (1990 -
1991)

Councilor for Society of Chinese Bioscientists in America (SCBA) - (1996-1999)

Member, Breast Cancer Progress Review Group, National Cancer Institute (1997)

Member, Research Fellowship Committee, American Association for Cancer
Research, Inc. (AACR) - (1998)

HONORS:

- | | |
|------|--|
| 2014 | Elected Fellow, National Academy of Inventors |
| 2012 | Elected Fellow, American Association for the Advancement of
Science |
| 2010 | Outstanding Breast Cancer Research Award, Breast
Foundation ,Taiwan |
| 2010 | Athalie Clark outstanding Research Award. UC Irvine |
| 2003 | Donald Bren Professorship, Univ. California, Irvine |
| 2003 | Member, Texas Hall of Fame in Science Math and Technology |
| 2002 | First Class Medal, Dept of Health, Taiwan ROC |
| 2002 | Outstanding Alumni Award, Natl Taiwan Normal Univ. |
| 2001 | Presidential Award, Society of Chinese Bioscientists in America |
| 2000 | Highly Cited Researchers, ISI Thomson Scientific |
| 1999 | F.E. Shideman-Sterling Award, University of Minnesota |
| 1999 | Li Shih-Chen Distinguished Lectureship, University of Pittsburgh |
| 1994 | Academician, Academia Sinica, Republic of China |
| 1994 | Alcon Research Award |
| 1992 | Outstanding Scientific Achievement award, Society of Chinese
Bioscientists in America |
| 1991 | Alice P. McDermott Distinguished University Chair, University of
TX |
| 1991 | National Institute of Health Director lectureship, USA |
| 1977 | Graduate scholarship of the Ministry of Education |
| 1976 | Graduate scholarship of the Ministry of Education |
| 1972 | Mr. Yuen-Wu Wang's scholarship (for top student in the college) |
| 1971 | Natural Science Award |
| 1970 | Natural Science Award (for top student in the Department) |

PUBLICATIONS:

Dr. Wen-Hwa Lee's publications are primarily in the areas of molecular cancer genetics, mainly specializing in the mechanism of tumor suppressor genes and oncogenes functions, cancer gene therapy and cancer progression. His publications include more than a hundred original research articles and fifty invited articles in journals such as Science, Nature, Cell, Proc. Natl. Acad. Sci, Genes & Dev. JBC, EMBO J etc.

(A) The following is a list of the full-length referred original publications.

1. **Lee W-H**, Bister K, Pawson A, Robins T, Moscovici C and Duesberg PH: Fujinami Sarcoma Virus: An Avian RNA Tumor Virus with a Unique Transforming Gene. **Proc. Natl. Acad. Sci.**, 77: 2018-2022 (1980).
2. Bister K, **Lee W-H** and Duesberg PH: Phosphorylation of the Nonstructural Proteins Encoded by Three Avian Acute Leukemia Viruses and by Avian Fujinami Sarcoma Virus. **J. Virol.**, 36: 617-621 (1980).
3. Martin GS, **Lee W-H** and Duesberg PH: Generation of Nondefective Rous Sarcoma Virus by Recombination between Deletion Mutants. **J. Virol.**, 36: 591-594 (1980).
4. **Lee W-H**, Bister K, Moscovici C and Duesberg PH: Temperature-sensitive Mutants of Fujinami Sarcoma Virus: Tumorigenicity and Reversible Phosphorylation of the Transforming p140 Protein. **J. Virol.**, 38: 1064-1076 (1981).
5. **Lee W-H**, Nunn M and Duesberg PH: The src Genes of 10 Rous Sarcoma Virus Strains, Including Two reportedly Transduced from the Cell are Completely Allelic; Putative Markers of Transduction are not Detected. **J. Virol.**, 39: 758-776 (1981).
6. **Lee W-H**, Liu C-P and Duesberg PH: DNA Clone of Avian Fujinami Sarcoma Virus with Temperature-Sensitive Transforming Function in Mammalian Cells. **J. Virol.**, 44: 401-412 (1982).
7. **Lee W-H**, Phares W and Duesberg PH: Structure Relationship Between Chicken DNA locus, proto *fps*, and transforming Gene of Fujinami Sarcoma Virus, *gaggps*. **Virology**, 129: 79-93 (1983).
8. Duesberg PH, Phares W, and **Lee W-H**: The low Tumorigenic Potential of PRC II, among viruses of the Fujinami Sarcoma Virus Subgroup, Corresponds to an internal (*fps*) Deletion of the Transforming Gene. **Virology**, 131: 144-158 (1983).
9. Seeburg P, **Lee W-H**, Nunn M and Duesberg PH: The '5 ends of the transforming gene of Fujinami sarcoma virus and of the cellular proto-*fps* gene are not colinear. **Virology**, 133: 460-463 (1984).
10. **Lee W-H**, Murphree AL and Benedict WF: Expression and Amplification of Nmyc Gene in Primary Retinoblastoma. **Nature (London)**, 309:458-460 (1984).
11. Lee EY-HP, **Lee W-H**, Kaetzel C, Parry G and Bissell MJ: Interaction of Mouse Mammary

- Epithelial Cells with Collagenous Substrata: Regulation of casein gene expression and secretion. **Proc. Natl. Acad. Sci.**, 82: 1419-1423 (1985).
12. Lee EY-HP, and **Lee W-H**: Molecular Cloning of the Human Esterase D Gene, A Genetic Marker of Retinoblastoma. **Proc. Natl. Acad. Sci.**, 83: 6337-6341 (1986).
 13. **Lee W-H**, Wheatley W, Benedict WF, Huang C-M, and Lee EY-HP: Purification, biochemical characterization, and biological function of human esterase D. **Proc. Natl. Acad. Sci.**, 83: 6790-6794 (1986).
 14. Chen L-H, Hatada E, Wheatley W and **Lee W-H**: Single Amino Acid Substitution, from Glu 1025 to Asp, of the *fps* Oncogenic Protein Causes Temperature Sensitivity in Transformation and Kinase Activity. **Virology**, 155: 106-119 (1986).
 15. **Lee W-H**, Bookstein R, Hong F, Young LJ, Shew, J-Y and Lee EY-HP: Human Retinoblastoma Susceptibility Gene: Cloning, Identification and Sequence. **Science**, 235:1394-1399 (1987).
 16. **Lee W-H**, Bookstein R, Wheatley W, Benedict WF and Lee EY-HP: A null allele of esterase D is a marker for genetic events in retinoblastoma formation. **Human Genetics**, 76: 33-36 (1987).
 17. **Lee W-H**, Shew JY, Hong F, Sery T, Donoso LA, Young LJ, Bookstein R, and Lee EY-HP: The retinoblastoma susceptibility gene encodes a nuclear phosphoprotein associated with DNA binding activity. **Nature**, 329: 642-645 (1987).
 18. Mendoza A, Shew JY, Lee EY-HP, Bookstein R, and **Lee W-H**: A case of synovial sarcoma with abnormal expression of the human retinoblastoma susceptibility gene. **Human Pathology**, 19: 487-489 (1988).
 19. Bookstein R, Lee EY-HP, To H, Young L-J, Sery TW, Hayes RC, Friedmann T and **Lee W-H**: Human retinoblastoma susceptibility gene: genomic organization and analysis of heterozygous intragenic deletion mutants. **Proc. Natl. Acad. Sci.**, 85: 2210-2214 (1988).
 20. Young L-J, Lee EY-HP, Bookstein R, Donoso L, Sery T, Giblin M, Shields JA and **Lee W-H**: The human esterase D gene: genomic structure, complete cDNA sequence and its application in diagnosis of human retinoblastoma. **Human Genetics**, 79: 137-141 (1988).
 21. Lee EY-HP, Bookstein R, Young L-J, Lin C-J, Rosenfeld M.G., and **Lee W-H**: Molecular mechanism of retinoblastoma gene inactivation in retinoblastoma cell line Y-79. **Proc. Natl. Acad. Sci.**, 85: 6017-6021 (1988).
 22. Lee EY-HP, To H, Shew J-Y, Bookstein R, Scully P and **Lee W-H**: Inactivation of the Retinoblastoma Susceptibility Gene in Human Breast Cancers. **Science**, 241: 218-221 (1988).
 23. DeCaprio JA, Ludlow JW, Figge J, Shew J-Y, Huang C-M, **Lee W-H**, Marsillo E, Paucha E and Livingston DM: SV40 Large Tumor Antigen Forms a Specific Complex with the Product of the Retinoblastoma Susceptibility Gene. **Cell**, 54: 275-283 (1988).
 24. **Lee W-H**, Bookstein R and Lee EY-HP: Studies on the Human Retinoblastoma Susceptibility Gene. **J. Cell. Biochem.**, 38: 213-227 (1988).
 25. Huang H-JS, Yee J-K, Shew J-Y, Chen P-L, Bookstein R, Friedmann T, Lee EY-HP and **Lee**

- W-H:** Suppression of the Neoplastic Phenotype by Replacement of the RB Gene in Human Cancer Cells. **Science**, 242: 1563-1566 (1988).
26. Ludlow JW, DeCaprio JA, Huang C-M, **Lee W-H**, Paucha E, Livingston DM: SV40 large T Antigen Binds Selectively to an Underphosphorylated Member of the Retinoblastoma Susceptibility Gene Product Family. **Cell**, 56: 57-65 (1989).
 27. Hong F, Huang H-J S, To H, Young L-J S, Oro A, Bookstein R, Lee EY-HP and **Lee W-H**: Structure of the human retinoblastoma gene. **Proc. Natl. Acad. Sci.**, 86: 5502-5506 (1989).
 28. Shew J-Y, Ling N, Yang X, Fodstad O and **Lee W-H**: Antibodies Detecting Abnormalities of the Retinoblastoma Susceptibility Gene Product (pp110RB) in Osteosarcomas and Synovial Sarcomas. **Oncogene Research**, 1: 205-214 (1989).
 29. Bookstein R, Lee EY-HP, Peccei A and **Lee W-H**: Human Retinoblastoma Gene: Long-Range Mapping and Analysis of Its Deletion in a Breast Cancer Cell Line. **Mol. Cell. Biol.**, 9 (4): 1628-1634 (1989).
 30. Reissmann PT, Simon MA, **Lee W-H** and Slamon DJ: Studies of the retinoblastoma gene in human sarcomas. **Oncogene**, 4: 839-843 (1989).
 31. Chen P-L, Scully P, Shew J-Y, Wang J-YJ, and **Lee W-H**: Phosphorylation of the Retinoblastoma Gene Product is Modulated during the Cell Cycle and Cellular Differentiation. **Cell**, 58: 1193-1198 (1989).
 32. Figus A, Lampis R, Devoto M, Serifina-Ristaldi M, Ideo A, De Virgillis S, Nurchis AN, Corrias A, Corda A, Lai ME, Tocco A, Deplano A, Solinas A, Zancan L, **Lee W-H**, Cao A, Pirastu M and Balestrieri A: Carrier detection and early diagnosis of Wilson's disease by restriction fragment length polymorphism analysis. **J. Medical Genetics**, 26: 78-82 (1989).
 33. Shew J-Y, Lin BTY, Chen P-L, Tseng BY, Yang-Feng TL and **Lee W-H**: Cterminal truncation of the retinoblastoma gene product leads to functional inactivation. **Proc. Natl. Acad. Sci.**, 87: 6-10 (1990).
 34. Shew J-Y, Chen P-L, Bookstein R, Lee EY-HP and **Lee W-H**: Deletion of a Splice Donor Site Ablates Expression of the Following Exon and Produces an Unphosphorylated RB Protein Unable to Bind SV40 T Antigen. **Cell Growth and Differentiation**, 1: 17-25 (1990).
 35. Bookstein R, Lai C-C, To H and **Lee W-H**: PCR-based detection of a polymorphic BamHI site in intron 1 of the human retinoblastoma (RB) gene. **Nucleic Acid Research**, 18 (6): 1666 (1990).
 36. Cheng J, Scully P, Shew J-Y, **Lee W-H**, Vila V and Haas M: Homozygous Deletion of the Retinoblastoma Gene in an Acute Lymphoblastic Leukemia (T) Cell Line. **Blood**, 75 (3): 730-735 (1990).
 37. Bookstein R, Shew J-Y, Chen P-L, Scully P and **Lee W-H**: Suppression of Tumorigenicity of Human Prostate Carcinoma Cells by Replacing a Mutated *RB* Gene. **Science**, 247: 712-715 (1990).
 38. Wang N-P, Chen P-L, Huang S, Donoso LA, **Lee W.-H** and Lee E.Y.-H.P.: DNA binding

- Activity of Retinoblastoma Protein Is Intrinsic to Its Carboxyl-Terminal Region. **Cell Growth & Differentiation**, 1: 233-239 (1990).
39. Huang S, Wang N-P, Tseng B-Y, **Lee W-H** and Lee EY-HP: Two distinct and frequently mutated regions of retinoblastoma protein are required for binding to SV40 T antigen. **J. EMBO**, **9 (6)**: 1815-1822 (1990).
 40. Hensel CH, Hsieh C-L, Gazdar AF, Johnson BE, Sakaguchi AY, Naylor SL, **Lee W-H** and Lee EY-HP: Altered structure and expression of the human retinoblastoma and susceptibility gene in small cell lung cancer. **Cancer Research**, 50: 3067-3072 (1990)
 41. Wang NP, Qian Y, Chung AE, **Lee W-H** and Lee EY-HP: Expression of the Human Retinoblastoma Gene Product pp110RB in Insect Cells Using the Baculovirus System. **Cell Growth & Differentiation**, 1 (9): 429-437 (1990).
 42. Sery TW, Wong V, Shields JA, Lee EY-HP, **Lee W-H** and Donoso L A: Characterization of Two New Retinoblastoma Cell Lines: WERI-Rb24 and WERI-Rb27. **J. Pediatric Ophth. & Strabismus**, 27 (4): 212-217 (1990).
 43. Erlandsson R, Bergerheim U, Boldog F, Marcsek Z, Kunimi K, Lin B.Y-T, Ingvarsson S, Castresana JS, **Lee W-H**, Lee E, Klein G and Sümegi J: A gene near the D3F15S2 site on 3p is expressed in normal human kidney but not or only at a severely reduced level in 11 of 15 primary renal cell carcinomas (RCC). **Oncogene**, 5: 1207 - 1211 (1990).
 44. Bookstein R, Rio P, Madreperla SA, Hong F, Allred C, Grizzle WE, **Lee W-H**: Promoter deletion and loss of retinoblastoma gene expression in human prostate carcinoma. **Proc. Natl. Acad. Sci.**, 87: 7762-7766 (1990).
 45. Bignon Y-J, Shew J-Y, Rappolee D, Naylor SL, Lee EY-HP, Schnier J, and **Lee WH**: A single Cys706 to Phe Substitution in the Retinoblastoma Protein Causes the Loss of Binding to SV40 T Antigen. **Cell Growth & Differentiation**, 1: 647-651 (1990).
 46. Chen P-L, Chen Y, Bookstein R and **Lee W-H**: Genetic Mechanisms of Tumor Suppression by the Human p53 Gene. **Science**, 250: 1576-1580 (1990).
 47. Lin B T-Y, Gruenwald S, Morla AO, **Lee W-H** and Wang JYJ: Retinoblastoma cancer suppressor gene product is a substrate of the cell cycle regulator cdc2 kinase. **EMBO J.**, 10 (4): 857-864 (1991).
 48. Huang S, **Lee W-H** and Lee EY-HP: A cellular protein that competes with SV40T antigen for binding to the retinoblastoma gene product. **Nature**, 350: 160-162 (1991).
 49. Hollingsworth R and **Lee W-H**: Tumor Suppressor Genes: New Prospects for Cancer Research. **J. Natl. Cancer Institute**, 83 (2): 91-96 (1991).
 50. Li S-B, Schwartz PE, **Lee W-H** and Yang-Feng TL: Allele Loss at the Retinoblastoma Locus in Human Ovarian Cancer. **J. Natl. Cancer Institute**, 83:637-640 (1991).
 51. Madreperla SA, Bookstein R, Jones OW and **Lee W-H**: Retinoblastoma cell lines Y79, RB355 and WERI-Rb27 are genetically related. **Ophthalmic Pediatrics Genetics**, 12 (1): 49-56 (1991).

52. Uzovolygi E, Classon M, Henriksson M, Huang H-JS, **Lee W-H**, Klein G and Sumegi J: The retinoblastoma protein inhibits the replication of SV40 DNA in reconstituted retinoblastoma and osteosarcoma cells. **Cell Growth & Differentiation**, 2: 297-303 (1991). Chen Y, Chen P-L, Arnaiz N, Goodrich D and **Lee W-H**: Expression of wild-type p53 in human A673 cells suppresses tumorigenicity but not growth rate. **Oncogene**, 6: 1799-1805 (1991).
53. Hong F and **Lee W-H**: Sequence Similarity between Part of Human Retinoblastoma Susceptibility Gene Product and a Neurofilament Protein Subunit. **Bioscience Reports**, 11(3): 159-163 (1991).
54. Goodrich D, Wang N-P, Qian Y-W, Lee Y-HP and **Lee W-H**: The Retinoblastoma Gene Product Regulates Progression through the G1 Phase of the Cell Cycle. **Cell**, 67: 293-302 (1991).
55. Madreperla SA, Whittum-Hudson JA, Prendergast RA, Chen P-L and **Lee W-H**: Intraocular Tumor Suppression of Retinoblastoma Gene-reconstituted Retinoblastoma Cells. **Cancer Research**, 51: 6381-6384 (1991).
56. Chen P-L, Chen Y, Shan B, Bookstein R, and **Lee W-H**: Stability of Retinoblastoma Gene Expression Determines the Tumorigenicity of Reconstituted Retinoblastoma Cells. **Cell Growth & Differentiation**, 3: 119-125 (1992).
57. **Lee W-H**, Hollingsworth RE, Qian Y-W, Chen P-L, Hong F and Lee EY-HP: RB Protein as a Cellular "Corral" for Growth-promoting Proteins. Cold Spring Harbor Symposium on Quantitative Biology. **Cell Cycle**, 56: 211-217, (1992).
58. Goodrich D.W, Chen Y, Scully P and **Lee W-H**: Expression of the Retinoblastoma Gene Product in Bladder Carcinoma Cells Associates with a Low Frequency of Tumor Formation. **Cancer Research**, 52: 1968-1973 (1992).
59. Shan B, Zhu X, Chen P-L, Durfee T, Yang Y, Sharp D and **Lee W-H**: Molecular Cloning of Cellular Genes Encoding Retinoblastoma-Associated Proteins: Identification of a Gene with Properties of the Transcription Factor E2F. **Mol. Cell. Biol.**, 12: 5620-5631. (1992).
60. Lee EY-HP, Chang C-Y, Hu N, Wang Y-C J, Lai C-C, Herrup K, **Lee W-H** and Bradley A: Mice deficient for RB are nonviable and show defects in neurogenesis and hematopoiesis. **Nature**, 359: 288-294 (1992).
61. Goodrich DW, **Lee W-H**: Abrogation by c-myc of G1 phase arrest induced by RB protein, but not by p53. **Nature**, 360: 177-179 (1992).
62. Wang NP, To H, **Lee W-H** and Lee EY-HP: Tumor suppressor activity of RB and p53 genes in human breast carcinoma cells. **Oncogene**, 8. 279-288 (1993).
63. Durfee T, Becherer K, Chen P-L, Yeh S-H, Yang Y, Kilburn A, **Lee W-H** and Elledge S: The retinoblastoma protein associates with the protein phosphatase type 1 catalytic subunit. **Genes & Dev.**, 7: 555-569 (1993).
64. Bignon YJ, Chen Y, Chang C-Y, Riley D, Windle J, Mellon P and **Lee W-H**: Expression of a retinoblastoma transgene results in dwarf mice. **Genes & Dev.**, 7: 1654-1662 (1993).

65. Chang C-Y, Riley D, Lee E.Y.H.P and **Lee W-H**: Quantitative Effects of the Retinoblastoma Gene on Mouse Development and Tissue-specific Tumorigenesis. **Cell Growth & Differentiation**, 4: 1057-1064 (1993).
66. Shan B, Chang CY, Jones D, and **Lee W-H**: The Transcription Factor E2F-1 Mediates the Autoregulation of RB Gene Expression. **Mol. Cell. Biol.**, 14: 299-309 (1994)
67. Hensey C, Hong F, Durfee T, Qian Y-W, Lee E.Y.-H. P. and **Lee W-H**: Identification of Discrete Structural Domains in the Retinoblastoma Protein. **J. Biol. Chem.**, 269: 1380-1387 (1994).
68. Mancini M, Shan B, Nickerson J, Penman S and **Lee W-H**: The retinoblastoma gene product is a cell cycle-dependent, nuclear matrix-associated protein. **Proc. Natl. Acad. Sci.**, 91: 418-422 (1994).
69. Hu N, Gutschmann A, Herbert D, Bradley A, **Lee W-H** and Lee Y-H P: Heterozygous Rb-1 delta 20/+mice are predisposed to tumors of the pituitary gland with a nearly complete penetrance. **Oncogene** 9: 1021-1027 (1994).
70. Lee Eva Y-H P, Hu N, Yuan S-S F., Cox L., Bradley A., **Lee W-H**, and Herrup K: Dual roles of the RB protein in cell cycle regulation and neuron differentiation. *Genes & Dev.*, 8: 2008-2021 (1994).
71. Chen Y, Chen P-L, and **Lee W-H**: Hot-Spot p53 Mutants Interact Specifically with Two Cellular Proteins during Progression of the Cell Cycle. **Mol. Cell. Biol.**, 14: 6764-6772 (1994).
72. Durfee T, Mancini M, Jones D, Elledge S, and **Lee W-H**: The Amino-terminal Region of the Retinoblastoma Gene Product Binds a Novel Nuclear Matrix Protein That Co-Localizes to Centers for RNA Processing. **J. Cell Biol.** 127: 609-622 (1994).
73. Shan B, and **Lee W-H**: Deregulated Expression of E2F-1 Induces S-Phase Entry and Leads to Apoptosis. **Mol. Cell. Biol.**, 14: 8166-8173 (1994).
74. Riley D, Lai C-C, Chang C-Y, Jones D, Lee E.Y.-H. P., and **Lee W-H**: Susceptibility to Tumors Induced in Mice by Ethylnitrosourea is Independent of Retinoblastoma Gene Dosage. **Cancer Research** 54: 6097-6101 (1994).
75. **Lee W-H**, Xu Y., Hong F., Durfee T, Mancini M., Ueng Y-C, Chen P-L, and Riley D: The Corral Hypothesis: A Novel Regulatory Mode for Retinoblastoma Protein Function. **Cold Spring Harbor Symposia on Quantitative Biology**, Vol. LIX: 97-107 (1994).
76. Chen P-L, Ueng Y-C, Durfee T, Chen K-C, Yang-Feng T, and **Lee W-H**: Identification of a Human Homologue of Yeast nuc2 Which Interacts with the Retinoblastoma Protein in a Specific Manner. **Cell Growth and Differentiation**, 6: 199-210 (1995).
77. Zhu X, Mancini M, Chang K-H, Liu C-Y, Chen C-F, Shan B, Jones D, Yang-Feng T, and **Lee W-H**: Characterization of a Novel 350-Kilodalton Nuclear Phosphoprotein That Is Specifically Involved in Mitotic-Phase Progression. **Mol. Cell. Biol.**, 15: 5017-5029 (1995).
78. Zhu X-L, Chang K-H, He D, Mancini MA, Brinkley WR, and **Lee W-H**: The C Terminus of Mitosin is Essential for Its Nuclear Localization, Centromere/ Kinetochore Targeting, and

- Dimerization. **J. Biol. Chem.**, 270: 19545-19550 (1995).
79. Johnson EM, Chen P-L, Krachmarov C.P., Barr S.M., Kanovsky M, Ma Z-W, and **Lee W-H**: Association of Human Pura with the Retinoblastoma Protein, Rb, Regulates Binding to the Single-stranded DNA Pura Recognition Element. **J. Biol. Chem.**, 270: 24352-24360 (1995).
 80. Chen Y, Chen C-F, Riley DJ, Allred DC, Chen P-L, Von Hoff D, Osborne CK, and **Lee W-H**: Aberrant Subcellular Localization of BRCA1 in Breast Cancer. **Science**, 270: 789-791 (1995).
 81. Shan B, Durfee T, and **Lee W-H**: Disruption of Rb/E2F-1 interaction by single point mutations in E2F-1 enhances S-phase entry and apoptosis. **Proc. Natl. Acad. Sci.**, 93: 679-684 (1996).
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19. ANTAGONISM FOR INTERLEUKIN-17 RECEPTOR B(IL-17RB) AND ITS LIGAND IL-17B FOR CANCER THERAPY (TW,USA, Eu)(62/019421) (Provisional Application(6/2014) Wen-Hwa Lee, Jin-Yun Shew, Che Ma, Chia-Lin Chen, Wen-Hsin Lee, Chun-Kai Huang, Heng-Hsiung Wu

Biotechnology Industrial Experience:

1. Founder and a member of Board of Director: Pharmingen 1988 at San Diego. Sold to BD Bioscience in 1996
2. Founder and chair of Scientific Advisory board: Canji Pharmaceuticals 1989 at San Diego. Sold to Schering-Plough in 1995 then merged with Merck.
3. Scientific advisor: Schering-Plough. 1995-1998
4. Founder and a member of board of Director: GeneTex at San Antonio, Texas in 1998-2010.
5. Founder and a member of Board of Director: Icon Biotechnology Inc. at Hsin-Chu Taiwan, 2007-2010. GeneTex merged with Icon at 2012 becomes Taiwan's biotech company.
6. Founder and chair of Scientific Advisory board: Taivex Pharmaceuticals at Irvine, California 2008-2009.