

CURRICULUM VITAE

Leland H. Hartwell

Address: Fred Hutchinson Cancer Research Center & Department of Genome Sciences
1100 Fairview Ave. N., D1-060 University of Washington
Seattle, WA 98109-1024

Telephone: (206) 667-5670 Fax: (206) 667-5268 Email: lhartwel@fhcrc.org
Birthdate: October 30, 1939; Los Angeles, California

EDUCATION:

<u>Institution Attended</u>	<u>Degree & Year</u>	<u>Mentor</u>
California Institute of Technology	B.S. 1961	
Massachusetts Institute of Technology	Ph.D. 1964	Boris Magasanik
Salk Institute for Biological Studies	1964 1965	Renato Dulbecco

PROFESSIONAL RECORD:

<u>Institution</u>	<u>Position</u>	<u>From To</u>
University of California	Assistant, Assoc. Professor	1965-1968
University of Washington	Associate & Full Professor (1973)	1968-present
Stanford University	Sabbatical	1983
Fred Hutchinson Cancer Research Center	Sabbatical	1984
Fred Hutchinson Cancer Research Center	Member, Sr. Advisor Sci. Affairs	1996
Fred Hutchinson Cancer Research Center	President and Director	1997

PROFESSIONAL AWARDS:

1973	Eli Lilly Award in Microbiology and Immunology
1983-1984	Guggenheim Awardee and American Cancer Society Scholar
1990-present	American Cancer Society Research Professor Genetics
1990	National Institutes of Health Merit Award
1991	General Motors Sloan Award
1991	Hoffman LaRoche Mattia Award
1992	Gairdner Foundation International Award
1992	University of Chicago Simon Shubitz Award
1993	Brandeis University Rosenstiel Award
1994	Sloan-Kettering Cancer Center Katherine Berkan Judd Award
1994	Genetics Society of America Medal
1995	MGH Warren Triennial Prize
1995	Columbia University Horwitz Award
1995	Keith Porter Award, Amer Soc Cell Biology
1996	Passano Award
1996	Carnegie Mellon Dickson Prize
1998	Albert Lasker Basic Medical Research Award
1998	Brinker International Award for Basic Science - Susan G. Komen Breast Cancer Foundation
1999	California Institute of Technology - Distinguished Alumni Award
1999	City of Medicine Award
1999	American Cancer Society Medal of Honor
2000	Léopold Griffuel Prize - Association pour la Recherche sur le Cancer, France
2000	The Massry Prize - The Meira and Shaul G. Massry Foundation
2001	The Nobel Prize in Physiology or Medicine

PROFESSIONAL SOCIETIES:

American Society of Microbiology
Genetics Society of America
National Academy of Sciences
American Academy of Arts & Sciences

American Academy of Microbiology
American Society for Cell Biology
American Association for Cancer Research

PROFESSIONAL SERVICES:

Genetics Study Section, NIH, 1980-1982
Eukaryotic Genetics Study Section, NSF, 1986
President, Genetics Society of America, 1991
National Advisory General Medical Sciences Council, 1991-1995
NCI Cancer Genetics Working Group, 1996-
NHGRI Scientific Planning Subcommittee, 1997-
NIEHS Genome Project Working Group, 1997-
HHMI Genetics Program Review Committee, 1998-
BioLab National Advisory Board, 2000-

EDITORIAL BOARDS:

Molecular & Cellular Biology
Journal of Cell Biology, 1988-1991
Molecular Biology of the Cell, 1991-1993

BIBLIOGRAPHY:

Books:

Hartwell, L.H., Hood, Leroy, Goldberg, Michael L., Reynolds, Ann E., Silver, Lee M., Veres, Ruth C. 1999 Genetics – From Genes to Genomes. McGraw Hill

Brewer, Bonita J., Friedman, Jan M., **Hartwell, L. H.**, Manoil, Colin C., Sibley, Carol, Toriello, Helga V. 1993 Solving The Puzzle: Careers in Genetics The Genetics Society of America

Publications:

Hartman, J., **Hartwell, L.H.**, Garvik, B. 2001 Principles for the Buffering of Genetic Variation. *Science* 291:1001-1004

Emili, A., Schieltz, D.M., Yates, J.R., **Hartwell, L.H.** 2001. Dynamic Interaction of DNA Damage Checkpoint Protein Rad53 with Chromatin Assembly Factor Asf1. *Molecular Cell* 7: 13-20.

*Foss, E.J. 2001. Tof1p Regulates DNA Damage Responses During S Phase in *Saccharomyces cerevisiae* *Genetics* 157: 567-577

Simon, J.A., Szankasi, P., Nguyen, D.K., Ludlow, C., Dunstan, H.M., Roberts, C.J., Jensen, E.L., **Hartwell, L.H.**, Friend, S.H. 2000. Differential toxicities of anticancer agents among DNA repair and checkpoint mutants of *Saccharomyces cerevisiae*. *Cancer Res.* 60(2): 328-333.

*Foss, E. J. 2000 Is Rad9p Upstream or Downstream from Mec1p? *Cold Spring Harbor Symposia on Quantitative Biology*, Vol LXX

Hartwell, L.H., Hopfield, J. J., Leibler, S., Murray, A.W. 1999 From molecular to modular cell biology. *Nature* 402 supplement (6761): C47-C52.

Marton, M. J., DeRisi, J. L., Bennett, H. A., Iyer, V. R., Meyer, M. R., Roberts, C. J., Stoughton, R., Burchard, J., Slade, D., Dai, H., Bassett, D. E., Jr., **Hartwell, L. H.**, Brown, P. O., Friend, S.H. 1998 Drug target validation and identification of secondary drug target effects using DNA microarrays. *Nature Medicine* 4(11): 1293-1301.

Nurse, P., Masui, Y., **Hartwell, L.** 1998 Understanding the cell cycle. *Nature Medicine* 4(10):1103-1106.

* Emili, A. 1998. MEC1-dependent phosphorylation of Rad9p in response to DNA damage. *Molecular Cell* 2: 183-189

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- Schrick, K, Garvik, B, and **Hartwell, L.** 1997. Mating in *Saccharomyces cerevisiae*: Pheromone receptor and G protein but not components of the MAP kinase cascade are required for response to pheromone. *Genetics* 147: 19-32.
- Hartwell, L.** 1997. Theoretical biology: A robust view of biochemical pathways. *Nature* 387(6636): 855, 857.
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- Wooden, JM, **Hartwell, LH**, Vasquez, B. and Sibley, CH. 1997. Analysis in yeast of antimalaria drugs that target the dihydrofolate reductase of *Plasmodium falciparum*. *Molec. & Biochem. Parasitology*. 85: 25-40.
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- Paulovich, M, Margulies, B, Garvik, B.M., and **Hartwell, L.** 1997. RAD9, RAD17, AND RAD24 are required for S phase regulation in *S. cerevisiae* in response to DNA damage. *Genetics* 145: 45-62.
- Pryciak, Peter, M. and **Hartwell, L.** 1996. AKR1 encodes a candidate effector of the Gbg complex in the *Saccharomyces cerevisiae* pheromone response pathway and contributes to control of both cell shape and signal transduction. *Molec. & Cell Biol.* 16: 2614-26.
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- Paulovich, A.G. and **Hartwell, L.H.** 1995. A checkpoint regulates the rate of progression through S phase in *S. cerevisiae* in response to DNA damage. *Cell* 82: 841-7.
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