

## BIOGRAPHICAL SKETCH

Give the following information for the key personnel and consultants listed on page 2. Begin with the Principal Investigator/Program Director. Photocopy this page for each person.

NAME <b>Lawrence A. Donehower</b>	POSITION TITLE <b>Assistant Professor</b>	BIRTHDATE (Mo., Day, Yr.) <b>1/25/51</b>	
EDUCATION (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
University of Maryland, College Park (honors)	B.S.	1974	Zoology
George Washington University, Washington, D.C.	Ph.D.	1981	Genetics
University of California, San Francisco	Postdoc Res.Fellow	1981-1985	Retrovirology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. DO NOT EXCEED TWO PAGES.

- 1973-1974 Undergraduate Research Assistant, Human Nutrition Institute, U.S. Department of Agriculture Research Center, Beltsville, Md., under J. Iacono. Area of study: Effects of diet on lipid metabolism of experimental animals.
- 1974-1978 Research Biochemist/Graduate Student, Laboratory of Tumor Cell Biology, National Cancer Institute, Bethesda, Md., under R.C. Gallo and D. Gillespie. Area of study: Evolution of primate retroviruses and primate repeated DNA sequences.
- 1978-1981 Research Biochemist/Graduate Student, Laboratory of Tumor Virus Genetics, National Cancer Institute, Bethesda, Md., under E. Scolnick and G. Hager. Area of study: Structure and regulation of mouse mammary tumor virus.
- 1981-1985 Postdoctoral Fellow, Department of Microbiology and Immunology, University of California, San Francisco, under H. Varmus. Area of study: Retrovirus replication and integration. 1985-1988 Assistant Professor, Department of Virology, Baylor College of Medicine, Houston, Texas. Area of study: Retrovirus replication.
- 1985-present Assistant Professor, Division of Molecular Virology, Baylor College of Medicine, Houston, Texas. Areas of study: Retrovirus replication and the p53 tumor suppressor gene.

## Publications:

- Smith, R.G., Donehower, L.A., Gallo, R.C. and Gillespie, D.H. (1976). Rapid purification of 70S RNA from media of cells producing RNA tumor viruses. *J. Virol.* 17, 287-290.
- Donehower, L.A., Wong-Staal, F. and Gillespie, D.H. (1977). Divergence of baboon endogenous type C virogenes in primates: genomic viral RNA in molecular hybridization experiments. *J. Virol.* 21, 932-941.
- Donehower, L.A. and Gillespie, D.H. (1979). Restriction site periodicities in highly repetitive DNA of primates. *J. Mol. Biol.* 134, 805-834.
- Singer, D. and Donehower, L.A. (1979). Highly repeated DNA of the baboon: organization of sequences homologous to highly repeated DNA of the African green monkey. *J. Mol. Biol.* 134, 835-842.
- Donehower, L.A., Furlong, C., Gillespie, D.H. and Kurnit, D. (1980). DNA sequence of baboon highly repeated DNA: evidence for evolution by non-random unequal crossovers. *Proc. Natl. Acad. Sci. USA* 77, 2129-2133.
- Donehower, L.A., Andre, J.A., Berard, D., Wolford, R. and Hager, G.L. (1980). Construction and characterization of molecular clones containing integrated mouse mammary tumor virus