

**BUDGET JUSTIFICATION PAGE
MODULAR RESEARCH GRANT APPLICATION**

	Initial Period	2nd	3rd	4th	5th	Sum Total (For Entire Project Period)
DC less Consortium F&A	150,000 <i>(Item 7a, Face Page)</i>	150,000	150,000	150,000	150,000	750,000 <i>(Item 8a, Face Page)</i>
Consortium F&A	5,000	5,000	5,000	5,000	5,000	25,000
Total Direct Costs	155,000	155,000	155,000	155,000	155,000	\$ 775,000

Personnel

Sandy Smith, M.D., Principal Investigator, (effort = 3.6 months calendar) will be responsible for morphological and immunohistochemical characterization of eye, brain, and other tumors arising in transgenic retinoblastomas and uveal melanomas as well as the study of cell death in the HPV E6 and E7 models.

Alan Jones, Ph.D., Co-investigator, (effort = 1.2 months calendar) will develop the HPV E6 and E7 models of transgenic retinoblastoma mice and will determine the cellular genes responsible for the retinoblastoma in animal models.

Steven Johnson, Ph.D., Statistician, (effort = .6 months calendar) will assist with experimental design by performing sample size calculations. He will analyze data on new models of transgenic mice as well as data from Vitamin D and virus treatment studies.

Ms. Rachel Lato, M.S., Research Assistant, (effort= 12 months calendar) is responsible for the Lh-Tag mouse colony under the direction of the PI. She will maintain a breeding program to ensure adequate numbers of transgene-bearing animals. She will perform DNA extractions and PCR.

Ms. Stephanie Wilson, Technician, (effort = 6 months calendar) is responsible for laboratory animal preparation and some of the biochemical analyses.

To be Appointed Technician, (effort = 3 months calendar) is responsible for the repair and maintenance of the equipment and will run a variety of assays.

Ms. Whitney Thomas, Graduate Student, (effort = 6 months calendar) in Dr. Smith's laboratory will participate in all aspects of the proposed experiments.

Consortium

Approximately \$15,000 Total Costs for all years. (\$10,000 direct costs; \$5,000 F&A costs)

Consortium with the University of Texas {X} Domestic { } Foreign

Calculations are based on 50% F&A rate for UT.

George Poole, Ph.D., (effort = .45 month academic) will be responsible for production and molecular biological characterization of transgenic mice expressing N-myc proto-oncogene in photoreceptor cells. He will provide lines of transgenic mice developing melanoma due to targeted expression of SV40-T antigen.