

BUDGET JUSTIFICATION PAGE MODULAR RESEARCH GRANT APPLICATION				
Initial Budget Period	Second Year of Support	Third Year of Support	Fourth Year of Support	Fifth Year of Support
\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000
Total Direct Costs Requested for Entire Project Period				\$ 750,000

Personnel

Sandy Smith, M.D., Principal Investigator, (30% effort) 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, (10% effort) 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, (5% effort) 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, (100% effort) 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, (50% effort) is responsible for laboratory animal preparation and some of the biochemical analyses.

To be Appointed Technician, (25% effort) is responsible for the repair and maintenance of the equipment and will run a variety of assays.

Ms. Whitney Thomas, Graduate Student, (50% effort) in Dr. Smith's laboratory will participate in all aspects of the proposed experiments.

Consortium

Approximately \$15,000 Total Costs for all years.

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

George Poole, Ph.D., (5% effort) 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.

Fee (SBIR/STTR Only)