**BUDGET JUSTIFICATION (two-page limit)**

* The following items must be addressed. These are the only items to be addressed.
* See page 2 for example. DELETE the example page.
* After completing the form, convert it to Portable Document Format (pdf) and upload it.

**PERSONNEL**

* All personnel receiving salary or consultant fees from the project should be listed, such as the Principal Investigator, Technicians/Postdoctoral Fellows, Consultants, Collaborating Investigators and Other Professionals
* For each person include: Name, degree(s), role on the project, percent of time to be devoted to project, and a description of the role on the project.

**COMPUTER EQUIPMENT AND EQUIPMENT COSTS**

* The AHA does not, in general, favor project support requests wherein the budget is devoted primarily to equipment purchase. However, such costs may be allowed if the equipment is essential to the conduct of the proposed research, well justified, and approved by the peer review committee and Research Committee or otherwise stated within the Request For Applications.
* Any computer equipment cost of $5,000 or more should be listed, with a brief justification.
* Total annual equipment costs (not including computer equipment above) of $10,000 or more should be listed, with a brief justification.

**SUPPLIES**

* In general, supplies are items that are consumable, expendable or of low unit cost, and are directly related to the functioning of the Research Project, such as chemicals, glassware, small pieces of equipment costing less than $100, etc.

**TRAVEL**

* Cost for travel to scientific meetings is **not required** to be included in the budget justification. The peer review committee will comment on the need for the additional travel funds; final approval will come from the Research Committee if the application is funded, unless otherwise stated within the Request For Applications.
* Other travel fund requests should be for the essential conduct of the project and must be described. For example, if requesting travel costs to reimburse for human subjects, provide a rationale here.

**PUBLICATIONS/PRINTING**

* Reasonable expenditures connected to publication of results of research, including research information services and library services, and purchase of reprints are acceptable charges during the term of the Award, which includes any authorized extension period.

**OTHER PROJECT EXPENSES**

* May include sub-categories such as Subcontracts, Patient Incentives\Reimbursement, and Animal Housing, amongst others.

**BUDGET JUSTIFICATION EXAMPLE**

**Personnel:**

Jane Smith, MD, PhD, Principal Investigator (30% effort) will be responsible for the overall administration and direction of the project. She will analyze reaction of soluble IV9-HLA-A\*0201 complex with TCR on 68A62 and Iv9CTL.

Helen Thomas, MS, Other Professional (Research Technician) (25% effort) will focus on investigating the ability of various SL9-specific CD88 CCI clones from various HIV infection indidviuals whose T-cell receptors bind with different strength to the cognate pepMHC complex (SL9-HLA-A\*0201) to supress viral replication in HIV infected cells *in vitro*. In addition, she will maintain initial preparaton of the CTL clones and will characterize them on a regular basis to ensure maintenance of their initial quality.

Thomas Club, PhD, Technician/Postdoctoral Fellow (100% effort) will be involved in all the measurement of SD50 and SD25 for RT- and gag-derived peptides required to induce various responses of anti-HIV CTL. Most of this effort will be directed towards measurement of the intervals of epitope densities on target cells required for various responses on anit-HIV CTL.

Jane Jones, PhD, Technician/Postdoctoral Fellow (100% effort) will be responsible for the isolation and characterization of recominant MHC class I modules using Drosophila Melanogaster and E.coli expression systems and measurement of kinetics and affinity of reactions between soluble complex of immunodominant peptide SL9 with HLA-A-\*0201 soluble protein and TCR on various clones of live anti-SK9 CTL. Dr. Jones will also measure levels of a,b-TCR and CD8 molecules on anti-SL9 CTL.

**Equipment:**

Purchase of a Thermoccler ($10,000) and HPLC Fraction Collector ($15,000) is requested during the first year. The requested equipment is necessary for this project and will be used extensively to analyze IV9-HLA-A\*0201 complex.

**Publications:**

A total of $5,000 is requested in Year 3 to support publication of research findings in peer-reviewed journals.