**BUDGET JUSTIFICATION**

**A. Senior/Key Personnel**

**Firstname Lastname, MD, Principal Investigator (X.X Cal. Months).** Description of key personnel qualifications, as well as role on project.

**Firstname Lastname, PhD,** **Co-Investigator (X.X Cal. Months).** Description of key personnel qualifications, as well as role on project.

**B. Other Personnel**

**Firstname Lastname, Research Assistant/Research Associate/ Scientist/ etc. (X.X Cal. Months).** Description of key personnel qualifications, as well as role on project.

**C. Equipment**

Not permitted.

**D. Domestic Travel (Limit $1,500)**

Example language:

We are requesting $1,500 per year to cover travel related costs to present research findings at a scientific conference, such as \_\_\_\_\_\_\_\_\_, in [month] located in [city, state]. Travel expenses in excess of the budgeted amount will be covered by other department or start up funds.

**E. Other Direct Costs**

**Materials and Supplies ($XX,XXX total)** *example language below*

**Lab Chemicals and Consumables ($X,XXX):** Costs for items such as glassware, microcentrifuge tubes, falcon tubes, test tubes, gloves, pipettes, cell culture dish, tips, gels.

**Reagents ($X,XXX):** These are the costs for reagents needed for tissue culture, RNA isolation, PCR, western blots, flow cytometry, IHC as noted in the application.

**ScRNA reagents ($X,XXX):** The cost for scRNA reagents are estimated to be $X,XXX per patient sample. We have XX patients, with X samples per patient. Total estimate reagent cost is $**XX,XXX.** *(separate out the really expensive materials and supplies—such as here).*

**Facility Fees: ($XX,XXX)**

**Flow Cytometry Core ($X,XXX)**

**TRIP Lab Services ($X,XXX)**

**UWCCC Microtechnology Core ($X,XXX)**

**Nanostring GeoMx Technology Services ($X,XXX)**.

**UW Biotech Center (Single Cell RNA Sequencing ($X,XXX)**.

**Patient care costs: ($X,XXX).** Patient care costs shown indicate federally negotiated rates.

We plan to enroll X patients with a total anticipated cost of $XX,XXX broken down as follows:

|  |  |
| --- | --- |
| Research lab tests | $  |
| Research biopsies | $  |
| Drug dispensing | $  |
| Total | $ |

**Animal and Animal Care Costs ($X,XXX).** For Aim 1, we will have X groups with XX mice/group for a total of XXX mice. The purchase cost for mice is $XX/mouse for a total of $X,XXX**.** Housing costs for estimated XXX total mice: XX cages (5 mice/cage) X (XX days) X $1.36 day per diem = $X,XXX, bringing the cost of this experiment at **$X,XXX**.

**Tuition Remission:** A tuition Remission of $12,000 per year, pro-rated for effort is requested for each Graduate Assistant, as per University of Wisconsin policy.

**Publication Costs ($X,XXX):** Funds are requested for publication to top-tiered cancer research journals.

**INDIRECT COSTS:**

Indirect costs are calculated at 55.5%. Rates are published at the UW website: www.rsp.wisc.edu.