­­Dear Susan,

Thank you for the carryover request.  First I want to mention that a carryover request is based on an “immediate need” for the current year and should not be planned for future years.

Therefore, in my overall review, there appears to be some duplication of funds already budgeted in the current -02 year progress report.  In order for me to continue my assessment of the request, I have some questions identified below.

The letter has the exact statement used in the -02 progress report and indicates that the carryover is due to the shortened period in year -01 and also it took some time for the grant to get up and running.

**What does this statement refer to *“The carryover balance will be used in the following years mainly for the development of databases and software tools”?  Clarify “following years…”***

***we meant to say year 2***

**There appears to be some costs that may generate recurring costs?  If so, please explain how these costs will be paid for in the future.**

None of the cloud things will be used after the period is over

We will archive these things

**What part of the research/AIMS couldn’t get done within the 9 month period that is an immediate need?**

We were’t able to do aim1 completely

AH left & we’ve had to get up to speed XXX & YYY

It’s essential to do this for the project

**Personnel:**

There are three Postdocs that are fairly new and/or recently joined the lab, correct?  Dr. Harmanci was reflected in the -01 progress report for 12.00 cal. months.

Dr. Gursoy is reflected as 3.8 cal. months in the carryover.

**Will there be two post docs working on the grant to compensate for Harmanci’s duties?**

YES

Dr. Kong was listed on the **personnel report of -02** progress report as 1.00 cal. month but the carryover request indicates Dr. Kong recently joined the lab and plans to commit 2.5 cal. months.

in last year Dr Kong was listed as 1 month

during this year year2 she d

**When did he/she join the lab?**

**we can anser [Janine]**

**What was his/her effort at the time of start on this grant?**

**1 month**

**Can you clarify what Drs. Gursoy, Kong, Kumar will be doing on this grant during the carryover?**

**During the XXX to YYY, Dr GG has been doing ZZZ and will continue doing this until WWW at the carryfwd**

**What part of their duties and associated AIMS could not get done due to the shortened period?**

b/c the shortened year we couldn't do aim 1

from the just ification the things related to aim 1 couldn’t be finished due to the shortened period

**Equipment:**

You are requesting $30,000 in the carryover request.  The original application reflects **$10,000** for a ***Dell Poweredge R815 server with 160GB of memory and four AMD Opteromn processors which will be used for processing the data and digital visualization.***

**You state that due to the late start for year -01 you were not able to complete the purchase of computer equipment.  You are requesting the following:**

*We are requesting funds to purchase dedicated, high performance cluster storage from Yale High Performance Computing facilities.*

*The Yale Center for Research Computing (YCRC) is planning to purchase a Lenovo GS220 GPFS storage system for the Farnam cluster, with 168 10TB drives, for a total of 1.2-1.3PB usable capacity. The requested funds would contribute $30,000 toward that storage. The GS220 is high performance parallel storage suitable for large scale computing by an HPC cluster. YCRC already utilizes 4 such systems on their clusters, and have found it to be an excellent performer at a reasonable cost. The storage space will be used storing the alignment and sequencing files of RNA-Seq experiments. These files are then be used to develop new file formats that enable efficient and effective distribution of RNA-Seq datasets in a privacy aware manner*

**What is the status of the Dell Poweredge R815?  Was this purchased, if so when?  If not, why?**

We have previously suggested to purchase **Dell Poweredge R815 computing server. However,** The Yale Center for Research Computing (YCRC) updated their machines and they no longer use Dell Poweredge R815 servers, therefor this purchase has not been completed.

**What “computer equipment” are you referring to regarding this research?**

**Clarify what this server is and how does it relate to the project?  What is the difference between this storage system and the Poweredge?**

**Why are you asking for $20,000 more than the original amount?**

**This server was not part of the original grant application, How does this relate to the original scope of the grant that was reviewed and approved?**

**How is this an immediate need?  What part of the research couldn’t get done as result of the shortened period?**

**WE have already purchased this item as it was an immediate need YCRC only allows a purchase at certain times. (We made this purchase assuming**

**'**

**the carryfoward would be funded)**

**Sub/contractor:**

There is duplication of costs in the carryover request.  These individuals are already reflected in the budget for -02 year.  As I mentioned above, carry over is for immediate need.  My assessment is there is no immediate need, when the funds are already budgeted.

Dr. Brenner is already budgeted in year -02 progress report as committing .2 calendar months.  His effort will increase for year -02 to total .35

Postdoc position is already budgeted on -02 year progress report.  The carryover request reflects an individual Dr. Zhiqiang Hu committing 1.4 calendar months.  His/her effort will increase 1.3 to a total 2.7

Dr. Lue (MS Research Laboratory Management) is already budgeted for -02 progress report.  Dr. Lue’s effort will increase .3 to total of .52 cal**.**months

**Are you confirming that the effort will increase? Provide a justification for the increase?**

**When did Dr. Hu start on the project?**

**What part of their duties and the associated AIMs could not get done due to the shortened period?**

Travel, Supplies, Publications costs all are reflected in progress budget of what is planned for year -02.  Explain the immediate need for these costs when they are already budgeted?