

NSF

Gustafson, Jo Ann

From: Cornell, Scott
Sent: Thursday, November 12, 2009 10:56 AM
To: BURCHARD, LORI
Subject: RE: MRI Grant CHE 922848

Hi Lori,

The requisition (13470692) is for the two SPR's only. Requisition 13470692 will replace purchase order P0006993. P0006993 has been cancelled by Larry McWilliams in procurement.

Thanks

Scott

From: BURCHARD, LORI
Sent: Thursday, November 12, 2009 10:32 AM
To: Cornell, Scott
Subject: RE: MRI Grant CHE 922848

Hi Scott:

Does this cover the DLS, two SPRs, or both. Have all the necessary requisitions been placed now? Carol mentioned the PO for the SPR, but does that need to be replaced with a new PO for two of them? I just want to make sure we are on the same page.

Thanks, Lori

From: Cornell, Scott
Sent: Thursday, November 12, 2009 10:23 AM
To: PAKISH, CAROL; BURCHARD, LORI
Cc: GERICKE, ARNE; HEIMLICH, CHARLEE; Heintz, Anna Lee; MCWILLIAMS, LAWRENCE; RICHARDS, MARY
Subject: RE: MRI Grant CHE 922848

Requisition no 13470692 has been placed into workflow for approval.

Thanks

Scott

From: PAKISH, CAROL
Sent: Tuesday, November 10, 2009 3:10 PM
To: BURCHARD, LORI
Cc: GERICKE, ARNE; Cornell, Scott; HEIMLICH, CHARLEE
Subject: RE: MRI Grant CHE 922848

There is one PO for a dual channel SPR already processed that appears as an encumbrance on the grant. Purchase requisitions are done online through flashcart and there is currently nothing out there for grants approval. If someone can provide a requisition number, I can look up where the second SPR and DSL are in the approval process.

Exhibit 2

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Thanks for the clarification.

Carol L Pakish, Grants Accountant
234 Schwartz Center
Kent, OH 44242
330-██████████
██████████@kent.edu

From: BURCHARD, LORI
Sent: Tuesday, November 10, 2009 2:37 PM
To: PAKISH, CAROL
Cc: GERICKE, ARNE; Cornell, Scott; HEIMLICH, CHARLEE
Subject: FWD: MRI Grant CHE 922848

Carol:

Following is approval for a change in the equipment to be purchased under Dr. Gericke's NSF MRI grant (KSU 448012). This should replace a previous P.O. for a single PSR with a new P.O. for a suite containing two PSRs. In addition there will be a separate P.O. for a DLS. I believe you may already have these requests and were waiting for approval of the change to process. Please let us know if you do not have them so Chemistry may forward the appropriate paperwork.

Thanks, Lori

Lori A. Burchard
Assistant Director
Sponsored Programs
Kent State University
330-██████████

From: GERICKE, ARNE
Sent: Tuesday, November 10, 2009 2:17 PM
To: BURCHARD, LORI
Cc: Cornell, Scott
Subject: Fwd: MRI Grant CHE 922848

Lori,
here is the answer from NSF.
Arne
Begin forwarded message:

From: "Murillo, Carlos A" <██████████@nsf.gov>
Date: November 10, 2009 1:57:48 PM EST
To: "GERICKE, ARNE" <██████████@kent.edu>
Subject: RE: MRI Grant CHE 922848

The answer is Yes.

From: GERICKE, ARNE [mailto:████████@kent.edu]
Sent: Tuesday, November 10, 2009 1:54 PM
To: Murillo, Carlos A
Subject: Re: MRI Grant CHE 922848

Carlos,

grants accounting here would like to have also a specific answer to question 1 in the email below. Sorry for coming back to you with this.

Arne

On Nov 10, 2009, at 11:04 AM, Murillo, Carlos A wrote:

Dear Arne:

I am not particularly pleased with this request but I will approve the purchase of the DLS instrument as long if this acquisition will support the research provided in the proposal.

Sincerely,

Carlos A. Murillo

Program Director

Integrative Chemistry Activities/Instrumentation

Division of Chemistry

National Science Foundation

4201 Wilson. Blvd. Room 1055

Tel. (703) ████████

For information on Chemistry Research Instrumentation and Facilities (CRIF),

see: http://www.nsf.gov/funding/pqm_summ.jsp?pims_id=13579&orq=CHE

A new Major Research Instrumentation (MRI) Program solicitation has been posted. See: <http://www.nsf.gov/pubs/2009/nsf09561/nsf09561.pdf>

For the NSF Proposal & Award Policies & Procedures Guide (PAPP), NSF 09-1, see: http://www.nsf.gov/pubs/policydocs/pappguide/nsf09_1/nsf091.pdf

From: GERICKE, ARNE [mailto:████████@kent.edu]
Sent: Monday, November 09, 2009 7:03 PM
To: Murillo, Carlos A
Subject: MRI Grant CHE 922848

Dear Carlos,

I have a question regarding my MRI grant CHE 922848.

The grant provides funding for the acquisition of a surface plasmon resonance instrument that will be used in a multi user research facility as well as for teaching a Biophotonics course (the development of this course is currently funded through an NSF CCLI grant). The original budget asked for funds to acquire a Biacore X100 instrument. We have reviewed in the meantime SPR instruments from a variety of other vendors and found that an instrument from Reichert fit our needs best for the following reasons:

- (1) The long-term cost for instrument operation are lower than for the Biacore instrument due to significantly lower chip prices
- (2) The instrument uses standard HPLC parts for the delivery of solvents. If needed these parts (tubes, valves) can be easily exchanged by the user. One concern in a multi-user facility with significant use of the instrument by undergraduate students is contamination or even molding of the tubes and valves.

Exhibit 2

Page 4 of 5

Reichert instrument is cheaper than the Biacore instrument. To increase throughput, Reichert offered us an extremely competitive package price with two core units (some aspects of the instrument suite will be shared, but the main experiments can be carried out independently). The advantage of acquiring such a suite for the execution of the grant would be twofold:

- (1) Having two core units will increase our throughput, allowing us to carry out proteomics type experiments and to serve more efficiently our large user group
- (2) One severe bottle neck for our advanced undergraduate biophotonics course is equipment availability. Having two core units will allow us to reduce group sizes for the SPR experiment giving students a better hands-on experience. In fact, for a class of 20 students we might not even be able due to time constraints to give all students an SPR experience if we had only one core instrument available to us.

Question 1: Are we allowed to buy such a Reichert SPR suite rather than a single instrument as proposed in the original budget.

The Reichert quote is so competitive that we have \$25k left in the budget. At the time of writing the proposal we had a functioning dynamic light scattering (DLS) instrument. This instrument is required to check the size distribution of unilamellar lipid vesicles prior to their immobilization on the SPR chip and it is very important for the execution of the grant that we have that instrument available to us. The current instrument appears to be beyond repair. Malvern offered us a replacement instrument, which we could purchase with the remaining funds in the MRI budget.

Question 2: Are we allowed to use \$25k (14% of the budget) to purchase the DLS instrument.

Please let me know what can be done in this case and whether we need to (or can) re-budget for any of the above questions.

Thank you
Arne

Dr. Arne Gericke
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Coordinator of Graduate Studies, Chemistry
Chemistry Dept. & School of Biomedical Sciences
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