

# Grant and Cooperative Agreement

CHOOSE ONE:  
 COOPERATIVE AGREEMENT  
 GRANT

CHOOSE ONE:     EDUCATION     FACILITIES     RESEARCH     SDCR     TRAINING

1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-HQ-13-G-38-0010	2. SUPPLEMENT NUMBER M0003	3. EFFECTIVE DATE 07/05/2017	4. COMPLETION DATE
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5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) UTAH STATE UNIVERSITY 2400 OLD MAIN HILL LOGAN UT 843220001	6. ISSUED BY    US NRC - HQ <b>Mailing Address:</b> ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-8E06M WASHINGTON DC 20555-0001
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7. TAXPAYER IDENTIFICATION NO. (TIN)	9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) [REDACTED]
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.	[REDACTED]

10. RESEARCH, PROJECT OR PROGRAM TITLE  
Faculty Development Program to Integrate New Faculty in Nuclear Engineering Research

11. PURPOSE  
See Schedule

12. PERIOD OF PERFORMANCE (Approximately)  
08/01/2013 through 12/31/2017

13A.	AWARD HISTORY	13B.	FUNDING HISTORY
PREVIOUS	\$319,452.00	PREVIOUS	\$319,452.00
THIS ACTION	\$0.00	THIS ACTION	\$0.00
CASH SHARE	\$0.00	<b>TOTAL</b>	\$319,452.00
NON-CASH SHARE	\$0.00		
RECIPIENT SHARE	\$90,773.00		
<b>TOTAL</b>	<b>\$319,452.00</b>		

14. ACCOUNTING AND APPROPRIATION DATA

PURCHASE REQUEST NO.	JOB ORDER NO.	AMOUNT	STATUS

15. POINTS OF CONTACT

	NAME	MAIL STOP	TELEPHONE	E-MAIL ADDRESS
TECHNICAL OFFICER	NANCY V. HEBRON-ISREAL	TWFN10B56	301-415-6996	Nancy.Hebron-Isreal@nrc.gov
NEGOTIATOR				
ADMINISTRATOR	M'LITA R. CARR		301-415-6869	MLita.Carr@nrc.gov
PAYMENTS				

16. THIS AWARD IS MADE UNDER THE AUTHORITY OF:  
Pursuant to Section 31b and 141b of the Atomic Energy Act of 1954, as amended.

17. APPLICABLE STATEMENT(S), IF CHECKED: <input checked="" type="checkbox"/> NO CHANGE IS MADE TO EXISTING PROVISIONS <input type="checkbox"/> FDP TERMS AND CONDITIONS AND THE AGENCY-SPECIFIC REQUIREMENTS APPLY TO THIS GRANT	18. APPLICABLE ENCLOSURE(S), IF CHECKED: <input type="checkbox"/> PROVISIONS <input type="checkbox"/> SPECIAL CONDITIONS <input type="checkbox"/> REQUIRED PUBLICATIONS AND REPORTS
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<b>UNITED STATES OF AMERICA</b>	<b>COOPERATIVE AGREEMENT RECIPIENT</b>
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CONTRACTING/GRANT OFFICER M'LITA R. CARR	DATE 07/05/2017	AUTHORIZED REPRESENTATIVE	DATE
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# Grant and Cooperative Agreement

ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)	QUANTITY (C)	UNIT (D)	ESTIMATED COST	
				UNIT PRICE (E)	AMOUNT (F)
	<p>CFDA Number: 77.008                      NRC-HQ-13-G-38-0010                      ZEROREQ-RES-17-0259</p> <p>The purpose of this modification is to:</p> <ol style="list-style-type: none"> <li>1) Extend the period of performance;</li> <li>2) Revise the budget; and</li> <li>3) Replace the Co-Principal Investigator.</li> </ol> <p>As a result of this modification:</p> <ol style="list-style-type: none"> <li>1) ATTACHMENT A - SCHEDULE, A.2 PERIOD OF GRANT, delete in its entirety and replace with the following:</li> </ol> <p>"1. The effective date of this Grant is August 1, 2013. The completion date of this Grant is December, 31, 2017.</p> <p>2. Funds obligated hereunder are available for program expenditures for the estimated period: August 1, 2013 - December 31, 2017"</p> <p>B. Section A.4 AMOUNT OF AWARD AND PAYMENT PROCEDURES, item number 1, delete in its entirety and replace with the following:</p> <p>"1. The total estimated amount of this Award is \$410,225.00 for a four year and five month period; including cost share in the amount of \$90,773.00"</p> <ol style="list-style-type: none"> <li>2) The Co-Principal Investigators Drs. Jason Quinn and Aaron Katz have been replaced by Dr. Ling Liu.</li> <li>3) The budget is revised as seen on page 4.</li> </ol> <p>Continued ...</p>				

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ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)	QUANTITY (C)	UNIT (D)	ESTIMATED COST	
				UNIT PRICE (E)	AMOUNT (F)
	<p>** All other terms and conditions remain the same.**</p> <p>LIST OF CHANGES:</p> <p>Period Of Performance End Date changed from 2017-06-30 00:00:00 to 2017-12-31 00:00:00</p> <p>Buyer changed from GORDANA ZUBER</p> <p>to M'LITA R CARR</p> <p>New Issuing Address: U.S. NRC - HQ Acquisition Management Division Mail Stop: TWFN-8E06M Washington DC 20555-0001</p> <p>New Administration Address: U.S. NRC - HQ Acquisition Management Division Mail Stop: TWFN-8E06M Washington DC 20555-0001</p> <p>Payment: ASAP GRANT FUNDS REIMBURSEMENT SYS US TREASURY</p> <p>Period of Performance: 08/01/2013 to 12/31/2017</p>				

The revised budget is seen below:

	<b>Original Budget</b>	<b>Re-budget</b>	<b>Revised Budget</b>
Faculty Salary	[REDACTED]	[REDACTED]	[REDACTED]
Graduate Student Salary	[REDACTED]	[REDACTED]	[REDACTED]
Undergraduate Wages	[REDACTED]	[REDACTED]	[REDACTED]
Fringe Benefits	[REDACTED]	[REDACTED]	[REDACTED]
Travel	[REDACTED]	[REDACTED]	[REDACTED]
Materials and Supplies	[REDACTED]	[REDACTED]	[REDACTED]
Total Direct Cost	[REDACTED]	[REDACTED]	[REDACTED]
Indirect Cost	[REDACTED]	[REDACTED]	[REDACTED]
<b>Total Cost</b>	[REDACTED]	[REDACTED]	[REDACTED]