

# Grant and Cooperative Agreement

CHOOSE ONE:

- COOPERATIVE AGREEMENT  
 GRANT

CHOOSE ONE:  EDUCATION  FACILITIES  RESEARCH  SDCR  TRAINING

1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-HQ-84-15-G-0033	2. SUPPLEMENT NUMBER M0003	3. EFFECTIVE DATE 08/03/2016	4. COMPLETION DATE 06/30/2019
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5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) UTAH STATE UNIVERSITY 1415 OLD MAIN HILL Room 64 LOGAN UT 843221415	6. ISSUED BY U.S. NRC - HQ Mailing Address: Acquisition Management Division Mail Stop: TWFN-5E03 Washington DC 20555-0001
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7. TAXPAYER IDENTIFICATION NO. (TIN)	9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) Programs A & B: Dr. Heng Ban Email: heng.ban@usu.edu Ph: 435-797-2098
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.	

10. RESEARCH, PROJECT OR PROGRAM TITLE  
See Schedule

11. PURPOSE  
See Schedule

12. PERIOD OF PERFORMANCE (Approximately)  
09/30/2015 through 06/30/2019

13A.	AWARD HISTORY	13B.	FUNDING HISTORY
PREVIOUS	\$641,924.00	PREVIOUS	\$641,924.00
THIS ACTION	\$0.00	THIS ACTION	\$0.00
CASH SHARE	\$0.00	<b>TOTAL</b>	\$641,924.00
NON-CASH SHARE	\$0.00		
RECIPIENT SHARE	\$198,711.00		
<b>TOTAL</b>	<b>\$641,924.00</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	3WFN/3A12	301-287-0718	Nancy.Hebron-Isreal@nrc.gov
NEGOTIATOR				
ADMINISTRATOR	GORDANA ZUBER		301-415-5002	gordana.zuber@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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UNITED STATES OF AMERICA	COOPERATIVE AGREEMENT RECIPIENT
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CONTRACTING/GRANT OFFICER M'LITA R. CARR	DATE 08/08/2016	AUTHORIZED REPRESENTATIVE <i>M. J. Carr</i>	DATE
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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>CFDA Number: 77.008  DUNS Number: 072983455  NRC-HQ-84-15-G-0033  ZEROREQ-OCHCO-16-0164</p> <p>The purpose of this modification is to acknowledge the below "Revised Budget" of grant funds. Section A.3 BUDGET, Program A, delete table in its entirety and replace with the table on page 3.</p> <p>Payment:  ASAP GRANT FUNDS REIMBURSEMENT SYS  US TREASURY</p> <p>Period of Performance: 09/30/2015 to 06/30/2019</p>				

<b>Category</b>	<b>Original Budget</b>	<b>Change</b>	<b>Revised Budget</b>
Personnel	\$168,804.00	(\$8,049.00)	\$160,755.00
Fringe	\$34,658.00	(\$64.00)	\$34,594.00
Travel	\$24,000.00	\$0.00	\$24,000.00
Equipment	\$0.00	\$11,610.00	\$11,610.00
Other	\$4,258.00	\$0.00	\$4,258.00
Indirect	\$98,059.00	(\$3,497.00)	\$94,562.00
<b>Total</b>	<b>\$329,779.00</b>	<b>\$0.00</b>	<b>\$329,779.00</b>

All other terms and conditions remain the same.