

Grant and Cooperative Agreement

CHOOSE ONE:

- COOPERATIVE AGREEMENT
 GRANT

CHOOSE ONE: EDUCATION FACILITIES RESEARCH SDCR TRAINING

1. GRANT/COOPERATIVE AGREEMENT NUMBER NRC-HQ-11-G-38-0081	2. SUPPLEMENT NUMBER M0004	3. EFFECTIVE DATE 04/02/2014	4. COMPLETION DATE 08/31/2014
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5. ISSUED TO NAME/ADDRESS OF RECIPIENT (No., Street, City/County, State, Zip) THE GEORGE WASHINGTON UNIVERSITY 2121 I ST NW STE 601 WASHINGTON DC 200520001	6. ISSUED BY U.S. NRC - HQ Mailing Address: Acquisition Management Division Mail Stop: 3WFN-05-C64MP Washington DC 20555-0001
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7. TAXPAYER IDENTIFICATION NO. (TIN)	9. PRINCIPAL INVESTIGATOR/ORGANIZATION'S PROJECT OR PROGRAM MGR. (Name & Phone) Dr. Christopher Cahill Email: cahill@gwu.edu
8. COMMERCIAL & GOVERNMENT ENTITY (CAGE) NO.	

10. RESEARCH, PROJECT OR PROGRAM TITLE
 The Science of Nuclear Materials: Development of modular, laboratory-based curriculum to explore the properties of nuclear materials

11. PURPOSE
 See Schedule

12. PERIOD OF PERFORMANCE (Approximately)
 08/22/2011 through 08/31/2014

13A.	AWARD HISTORY	13B.	FUNDING HISTORY
PREVIOUS	\$301,461.00	PREVIOUS	\$301,461.00
THIS ACTION	\$0.00	THIS ACTION	\$0.00
CASH SHARE	\$0.00	TOTAL	\$301,461.00
NON-CASH SHARE	\$0.00		
RECIPIENT SHARE	\$0.00		
TOTAL	\$301,461.00		

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	Tanya Parwani-Jaimes		301-287-0730	Tanya.Parwani-Jaimes@nrc.gov
NEGOTIATOR				
ADMINISTRATOR				
PAYMENTS				

16. THIS AWARD IS MADE UNDER THE AUTHORITY OF:
 Pursuant to Section 31b and 14b 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
UNITED STATES OF AMERICA	COOPERATIVE AGREEMENT RECIPIENT

CONTRACTING/GRANT OFFICER M'LITA R. CARR	DATE 04/08/2014	AUTHORIZED REPRESENTATIVE	DATE
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TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

ADM002

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: 77.006</p> <p>11. PURPOSE: The purpose of this modification is to:</p> <p>1. Extend the period of performance from 5/31/2014 to 8/31/2014, at no additional cost to the Government.</p> <p>2. Revise the budget by reducing the cost of personnel, fringe benefits and other (student support-stops) and increasing the cost of travel and equipment. This will allow for the purchase of a gamma ray detector from Canberra. See page 2 for the budget cost schedule.</p> <p>LIST OF CHANGES: Period of Performance and Budget change.</p> <p>Payment: ASAP GRANT FUNDS REIMBURSEMENT SYS US TREASURY</p> <p>Period of Performance: 08/22/2011 to 08/31/2014</p>				

The budget for this Grant is revised as follows:

Project Period: August 22, 2011 – August 31, 2014

Object Class Categories	Original/Approved	Modification	Revised Total
a. Personnel	\$101,102	\$(18,777.63)	\$82,324.37
b. Fringe Benefits	\$27,298	\$(6,615.35)	\$20,682.65
c. Travel	\$5,000	\$1,939.08	\$6,939.08
d. Equipment	\$39,000	\$27,453.90	\$66,453.90
e. Supplies			
f. Contractual			
g. Construction			
h. Other(Student Support- Stipends)	\$48,000	\$(4,000)	\$44,000.00
i. Total Direct Charges (sum of a-h)	\$220,400	\$0	\$220,400.00
j. Indirect Charges	\$81,061	\$0	\$81,061.00
k. TOTALS (sum i-j)	\$301,461	\$0	\$301,461.00