		•								сно	OSE ONE:	
	Gra	ant and C	oope	erativ	e A	greem	nent				COOPERATIVE	
						<b>J</b>					AGREEMENT	
										X	GRANT	
	•			•								
CHOOSE ONE:	X EDI	JCATION [	FACILIT	IES		RESEARCH			SDCR		TRAINING	
1. GRANT/COOPERATIVI NRC-38-10-948	E AGREEN	IENT NUMBER		SUPPLEMENT 003	T NUME	BER	3. EFFE 04/28			4. CC	MPLETION DATE	
5. ISSUED TO NAME/ADDRESS OF R	RECIPIENT	(No. Street City/County	State Zin)	6. ISS	SUED E		NRC -					
NAME/ADDRESS OF R VANDERBILT UNIV	VERSIT	MED CTR	, Otato, Zip)	Ma	iling A	ddress: Acqu			-		on	
2201 W END AVE	704000						-		N-05-C64			
NASHVILLE TN 3	/240000	)1				Wash	ington	DC 2	20555-00	01		
					DINCIP	AL INVESTIGAT		NIZATIC	NIS BBO IEC	T OB		
7. TAXPAYER IDENTIFICA	ATION NO.	(TIN)				M MGR. (Name		NIZATIC	N S PROJEC	, I UK		
e COMMEDIAL E COV	CONMENT	ENTITY (CACE) NO		Dr.	Mic	hael G. S	tabin,	615-	-343-462	8		
8. COMMERCIAL & GOVE	EKNMENI	ENTITY (CAGE) NO.		Ema	il:	michael.g	.stabi	n@var	nderbilt	.edu		
10. RESEARCH, PROJEC	T OR PRO	GRAM TITLE							<del></del>			
VANDERBILT FELL	OWSHIP	NUCLEAR PROGRA	MA									
11. PURPOSE												
12 DEDIOD OF DEDEOD	MANICE (A	naravimatakā										
<b>12. PERIOD OF PERFOR</b> 05/01/2010 thro	•	• • • • • • • • • • • • • • • • • • • •				•						
13A.	ugii 04	AWARD HIST	ORY		13B.			T		FUNDING H	ISTORY	
PREVIOUS				399,976.00				1	\$399,976.00			
THIS ACTION				40.00		IIS ACTION		\$0.0				
CASH SHARE				\$0.00			TOTAL				\$399,976.00	
NON-CASH SHARE				\$0.00								
RECIPIENT SHARE				\$0.00								
TO	TAL		\$3	399,976.00			·					
14. ACCOUNTING AND A	.PPROPRI	ATION DATA										
PURCHASE REQUEST NO. JOB OR		JOB ORDER	DER NO		1	AMOUNT				CT/	STATUS	
OKCHASE REQUEST NO.		30B ORDET							314103			
					1						<del>_ ·</del>	
15. POINTS OF CONTAC	T		-						•			
		NAME		MAIL STO		TELEPHO				E-MAIL ADI		
TECHNICAL OFFICER	NANC	Y V. HEBRON-ISF	REAL	3WFN/3A	12	301-287-0	718	Nanc	y.Hebro	n-Isrea	l@nrc.gov	
NEGOTIATOR	CORD	ANA ZUBER		<u> </u>		301-415-5	002	2000	dana.zube	2 × 4 × × 2		
ADMINISTRATOR	GORDA	ANA ZUDEK		<u> </u>		501-415-5	002	gord	lana.Zube	erenre.	gov	
PAYMENTS				<u> </u>								
16. THIS AWARD IS MAD												
Pursuant to Sec	ction (	31b and 141b of	the At	tomic En	ergy	Act of 19	954, as	s ame	nded			
17. APPLICABLE STATEM	MENT(S), I	F CHECKED:			18	APPLICABLE E	NCLOSUR	RE(S) IF	CHECKED:			
_		EXISTING PROVISIONS				PROVISIO		(0),	-	CONDITION	e	
l · 🚍					;	=			•		3	
· —		ONS AND THE AGENCY O THIS GRANT	-SPECIFIC		'	REQUIRE	D PUBLICA	AHONS	AND REPOR	(18		
REQUIREMENTS APPLY TO THIS GRANT  UNITED STATES OF AMERICA					$\top$	COOPERATIVE AGREEMENT RECIPIENT						
					[							
CONTRACTING/GRANT	OFFICER			ATÉ	AL	ITHORIZED REF	PRESENTA	TIVE	-		DATE	
M'LITA R. CARR		Misting Ca	25 04	1/28/2015								



## **Grant and Cooperative Agreement**

		QUANTITY (C)		ESTIMATED COST			
ITEM NO. (A)	ITEM OR SERVICE (Include Specifications and Special Instructions) (B)		UNIT	UNIT PRICE (E)	AMOUNT (F)		
( ',	CFDA Number: 77.008	, , , ,	(-,				
	NRC-38-10-948						
	ZEROREQ-OCHCO-15-0141						
	The purpose of this modification is to extend the period of performance.						
	As a result of this modification:			·			
	1. ATTACHMENT A - SCHEDULE,						
	A. Section A.2 PERIOD OF GRANT, delete in its						
	entirety and replace with the following:						
	"1. The effective date of this Grant is May 1,						
	2010. The completion date of this Grant is April						
	30, 2016.		:				
	2. Funds obligated in this grants are available						
	for program expenditures for the period:						
	May 1, 2010 - April 30, 2016"						
	B. Section A.4 AMOUNT OF AWARD AND PAYMENT						
	PROCEDURES, delete in its entirety and replace						
	with the following:						
	"1. The total estimated amount of this Award is	į					
	\$399,976.00 for a six year period."						
	All other terms and conditions remain the same.						
	Payment:						
	ASAP GRANT FUNDS REIMBURSEMENT SYS						
	US TREASURY						
	Period of Performance: 05/01/2010 to 04/30/2016						
			!				
					·		
	<u> </u>	<u>                                     </u>					