

Pursuant to 5 CFR 1320.5(b), an agency may not conduct or sponsor, and a person is not required to respond to an information collection unless it displays a valid OMB control number. The OMB control number for this collection is 3145-0220. Public reporting burden for this collection of information is estimated to average 120 hours per response, including the time for reviewing instructions. Send comments regarding this burden estimate and any other aspect of this collection of information, including suggestions for reducing this burden, to: Suzanne Plimpton, Reports Clearlance Officer, National Science Foundation, Alexandria, VA 22314.



Home	Data Entry	Report Tables	Your Account Information						
		-				Preview tables	created with these o	lata: Table	1a   Tab
Organizations									
	g Organizations	Organization	S						
☐ NSF Supp	ort	☐ National Scien	ce Foundation Suppor	rt					
Institutions		+ Show Directions							
Personnel									
Research		Indicates where ad	ual differs from prior award y	ear estimate					
Money									
Outputs and I	(mpact	CASH SUPPORT							
		CAS	H SUPPORT	Received by Reporting		Pro	mised by End of Award Year		To
Legend	3			Enter data			nter data for		
☐ No	ot Started			08/15/2011-03	3/15/2012	03/15/	2012-08/14/20	112	
In	Progress	Unrestricted Cash Do	onations:						
■ Co	omplete	NSF ERC Base Award				0		0	
€ Wa	aming	Other NSF (Not ERC P	rogram)			0		0	
Error		a. Unrestricted Cash	Donations Total:			\$0		\$0	
		Restricted Cash Don	ations:						
		NSF ERC Special Awar	ds and Supplements			0		0	
		Other NSF (Not ERC P	rogram)			0		0	
		b. Restricted Cash Don	ations Total:	ı	\$0	0	\$0	0 1	\$0
		Residual Carried Over	From Previous Year:		'		'		
		NSF ERC Program			0		N/A		C
		Other NSF (Not ERC Pro	gram)		0		N/A		C
		c. Residual Funds Tota			\$0		N/A		\$0 \$0
		c. Residual Funds Total  Total Cash Support for  ASSOCIATED PROJE	the Center (a+b+c):		\$0 \$0			N/A \$0	N/A \$0
		ASSOCIATED P	ROJECT SUPPORT	Received by End of Reporting Year  Enter data for 08/15/2011-03/15/		Promised b Award ` Enter da 03/15/2012-0	Year ta for	Tota	ı
		NSF ERC Program			0		0		0
		Other NSF (Not ERC Pro	gram)		0		0		C
		Associated Project Sup	pport Total:		\$0		\$0		\$0



ERC: Washington-SNE Collection Ye Welcome, Victoria Kwasiborski

Home	Data Entry	Report Tables	Your Account Informatio	n			
Organization	ns				Preview tables created with the	se data: Table 6   7	Table 7   Table
Institutions		Institutions					
Academ	ic Institutions		.ia., .a.;				
Diversity	Alliances	Academic Inst					
Personnel		Enter data about all a	cademic institutions executin	ng the ERC's Research, Technology <sup>-</sup>	ransfer, and Education Progra	ams, including:	
Research  Money  Outputs and	l Impact	<ul> <li>The Lead Institution</li> <li>Core Partners</li> <li>Collaborating (Outreach) Institutions</li> <li>Foreign Partners</li> <li>Non-ERC Institutions Providing REU Students</li> <li>Community Colleges</li> <li>Pre-college Partners</li> </ul>					
	nd  Not Started  In Progress  Complete  Warning	9 institutions ente Add a new academic in >> Import Academic Ir  Data Entry Status	nstitution for this award year	r Institution Type	Location •	Number of Personnel	Delete •

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Home	Data Entry	Report Tables	Your Account Informa	tion				
Organization	ns			Preview tab	es created with these data: Table 6	Table 7   Table 7f		
Institutions		Alliances wit	th NSF Diversit	v Awardees				
Academi	c Institutions		AGEP - Alliances for Graduate Education and the Professoriate					
Diversit	Diversity Alliances							
o 🔳 AG	EΡ	Add a new AGEP diver	sity alliance for this award	year				
• 🔳 CR	EST	Data All Entry	iance Name Le	ad Partner	Number of Personnel	Delete?		
• 🔳 LSA	AMP	Status ♦	<b>+</b>	<b>\$</b>		<b>\$</b>		
• <b>T</b> C	UP	No current alliances fo	or this award year.					
• 🔳 Otl	her Alliances							

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## ERCWeb

Home	Data Entry	Report Tables	Your Account Information				
Organizatio	ins			Preview tables created with these data: Table 1a			
Institutions				Preview figures created with these	data: <u>Figure 7b</u>   <u>Figure 7c</u>   <u>F</u>	igure 7d   Fig	
Personnel		Personnel by	/ Institution				
🔲 By Inst	itution	Demographic an	d Occupational Data for E	RC Personnel			
□ By Person							
Research		Report on individuals who are directly involved in executing activities funded by the Center. They may be paid or unpaid. They may be engaged in leadership/administration, research, or curriculum development and outreach, or they may be REU students or industry researchers.					
☐ Money		readership/administra	adon, research, or carriculant develo	princing and outreadily of diey may be NEO stude	ents of maustry researthers.		
Outputs an	d Impact						
		0 unique personne	el entered for all institutions				
Lege	end	>> Import Personnel					
	Not Started	Click an institution nam	ne to view a list of personnel for tha	t institution.			
	In Progress	Data	Institution Name	Institution Type	Number of Personnel	Add Perso	
Complete Entry Status • • • • •							

Stop Impersonation | ERC Library and Help |

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ERCWeb
ANNUAL REPORT DATA ENTRY SYSTEM

Home	Data Entry	Report Tables	Your Account Information					
Organizations Institutions		Preview tables created with these data: <u>Table 1a   Table 3b   Table 6   Table 7</u>   <u>Table 7</u> Preview figures created with these data: <u>Figure 7b   Figure 7c   Figure 7d</u>						
Personnel		Personnel						
By Institu	ution	Personnel by Person						
By Perso	on	Demographic and Occupational Data for ERC Personnel						
Research		Bernograpine an	ia occapational bata for E					
☐ Money		•	Report on individuals who are directly involved in executing activities funded by the Center. They may be paid or unpaid. They may be engaged					
Outputs and Impact		leadership/administration, research, or curriculum development and outreach, or they may be REU students or industry researchers.						

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## ERCWeb ANNUAL REPORT DATA ENTRY SYSTEM

Home	Data Entry	Report Tables	Your Account Infor	mation				
Organiza	ations				Preview	tables created with these data: Table 2   Table 8		
Institutio	ins			Р	review figures created wi	ith these data: Figure 2a   Figure 8a   Figure 8b		
Personne	el	Thrusts and	Thrusts and Clusters					
Researc	h							
☐ Thru	sts and Clusters	Thrusts (0)	Projects (0)					
Proje	ects	Clusters (0)		See definitions of thrusts, clusters, and projects				
■ Money								
Outputs	and Impact							
		0 thrust(s) entere	d					
Le	egend	Add a new thrust for the	nis award year					
	Not Started	>> Import Thrusts and	Clusters					
	In Progress	Data Thrust Na Entry	ame Clusters	Total Curr	ent Year Budget	Total Estimated Next Year Budget		
	Complete	Status 🛊	<b>*</b>		<b>\$</b>	<b>*</b>		
•	Warning	No thrust records four	ıd.					

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Home	Data Entry	Report Tables	Your Account In	nformation					
Organizatio	ns				Preview tables created with these data: <u>Table 2</u>   <u>Table 8</u>   <u>Table 9</u> Preview figures created with these data: Figure 2a   Figure 8a   Figure 8b				
Institutions					Preview	ngares created with thes	e uata;	rigure za   rigur	e oa   rigure ob
Personnel		Projects							
Research									
☐ Thrusts	and Clusters	Core Projects or Center-Controlled Projects (0) Core projects involving translational research (0)				ciated Projects (0)			4-1
Project	ts				Associated projects involving translational research (0)				
Money		Sponsored Projects (0) Sponsored projects involving translational research (0)			See	definitions of project ty	pes		
Outputs an	d Impact	oponsorou projeces	involving a ansidaol	114. 10304.011 (0)					
Lege	end	0 project(s) enter	ed						
	Not Started	Add a new project for t	this award year						
	In Progress	>> Import Projects							
	Complete	Project Project	Project	Current Year		Number of		Number of	Delete
•	Warning	Status   Name  No project records fou	<b>♦ Type ♦</b> nd.	Budget	<b>\$</b>	Thrust/Clusters	<b>\$</b>	Personnel	<b>\$</b>
•	Error	project records rod	1941						



ERCWe	b Data entry system				ERC: Washington-S <b>Welcome, Victor</b>	
Home	Data Entry	Report Tables	Your Account Information			
Organization	ns				Preview table created	d with these da
■ Institutions		Mana				
Personnel		Money				
Research		☐ Academic Institut	ions Providing Support Oth	ners Sources of Support Residua	al Funds Brought Forward	
Money						
	of Support	Sources of S	upport: Academic	Institutions Providing	ı Support	
	al and Educational	+ Show Directions	• •	_	,	
☐ Annual E	Expenditures and	● Indicates where a	ctual differs from prior award year	estimate		
Budgets  Outputs and		U.S. Universities	s			
				Received by End of Reporting Year	Promised by End of Award Year	Total
Leger	nd			Enter data for	Enter data for	
	Not Started	CASH - U.S. Univers		08/15/2011-03/15/2012	03/15/2012-08/14/2012	
<u> </u>	In Progress	Unrestricted Cash Do	oriacions	0	0	
<b>—</b> (	Complete	Restricted Cash Don	ations	0	0	
	Warning	Residual Funds Carri	ed Over From the Previous Year	0	N/A	
<b>₩</b> E	Error	TOTAL Cash Suppor	t - U.S. Universities	\$0	\$0	
		ASSOCIATED PROJU	ECT SUPPORT - U.S.			
		Associated Project Si	upport	0	0	
		TOTAL Associated P Universities	roject Support - U.S.	\$0	\$0	
		IN-KIND DONATION	NS - U.S. Universities			
		New Construction		0	0	
		Equipment		0	0	
		New Facilities in Exis	ting Buildings	0	0	
		Visiting Personnel		0	0	
		Other Assets		0	0	
		Foreign Univers	ities			
				Received by End of Reporting Year	Promised by End of Award Year	Total
		CASH - Foreign Unit	versities	Enter data for 08/15/2011-03/15/2012	Enter data for 03/15/2012-08/14/2012	
		Unrestricted Cash Do	onations	0	0	
		Restricted Cash Don		0	0	
			ed Over From the Previous Year	0	N/A	
			t - Foreign Universities	\$0	\$0	
		ASSOCIATED PROJ Universities  Associated Project S	ECT SUPPORT - Foreign	0	0	
		TOTAL Associated F	Project Support - Foreign			
			NS - Foreign Universities	\$0	\$0	
		New Construction		0	0	
		Equipment	the Pullette	0	0	
		New Facilities in Exis Visiting Personnel	ung bullaings	0	0	
		Other Assets		0	0	
			port - Eoroigo Universities			

Preview tables created with these data: Table 8

Preview figures created with these data: Figure 8a



Data Entry

Report Tables

c. Other Budget Functions Subtotal

Home

Organizations

Institutions Personnel

Money Research Functional and Educational Budget ■ Money Enter the budget amounts for the current award year in the table below. Enter cash amounts only (not in-kind support) as a total of received an Sources of Support Functional and Educational The Functional and Educational Budget totals must match the total reported sources of support. You will not be able to mark this section as co Budget until the the Functional and Educational Budget totals match the total reported sources of support. Total reported sources of support are equ total cash entered for all organizations, NSF, academic institutions, and other sources. Total reported sources of support include residual funds, b Annual Expenditures and include in-kind contributions. Budgets Totals for Thrusts are displayed for you. A grand total of Thrusts and Budget Functions is shown at the bottom of the table. Outputs and Impact Read-only Summary of Thrust/Testbed Budgets Legend Research Thrusts/Testbeds **Direct Support Direct Support** Associated **Total Bud** Total Projects Not Started **Unrestricted Cash** Restricted Cash **OR Core Projects** OR Sponsored In Progress Projects No thrusts found. Complete a. Research Thrusts/Testbeds Total \$0 \$0 \$0 \$0 Warning **Budget Functions Education Programs** Direct Support Direct Support Total Associated Projects **Total Budg Unrestricted Cash** Restricted Cash OR Sponsored Projects **OR Core Projects** Pre-college Education Activities 0 0 0 0 University Education 0 О Student Leadership Council 0 0 0 0 Young Scholars 0 0 0 О 0 0 0  $\Box$ RET 0 0 0 0 Assessment П О 0 o Community College Activities 0 0  $\overline{\Omega}$ o Other (explain in narrative) 0 0 o П b. Education Program Subtotal \$0 \$0 **\$0** \$0 Total Budge Other Budget Functions Direct Support Direct Support Associated Total Projects **Unrestricted Cash** Restricted Cash OR Core Projects **OR Sponsored** Projects General and Shared Equipment 0 0 0 0 New Facilities / New Construction 0 0 0 0 Leadership / Administration / Management 0 0 0 0 Industrial Collaboration / Innovation 0 0 0 Π Program. Center-Related Travel 0 0 0 0 Residual Funds Remaining 0 0 0 N/A Indirect Cost 0 0 0 N/A

\$0

\$0

\$0

\$0

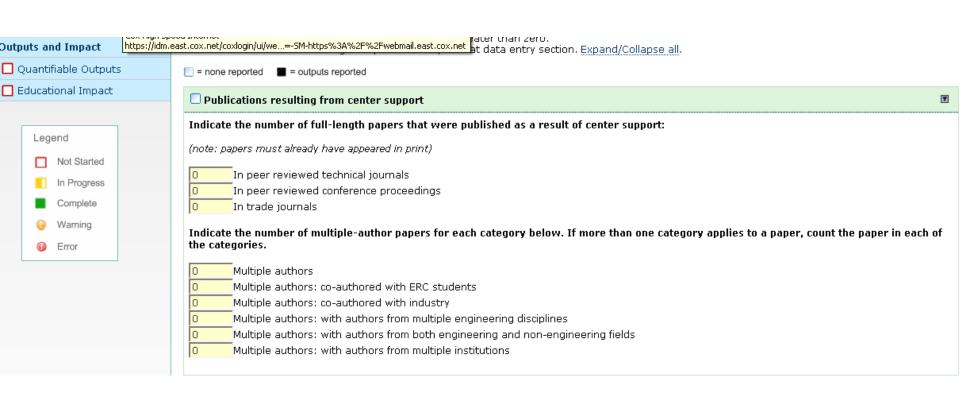
Your Account Information

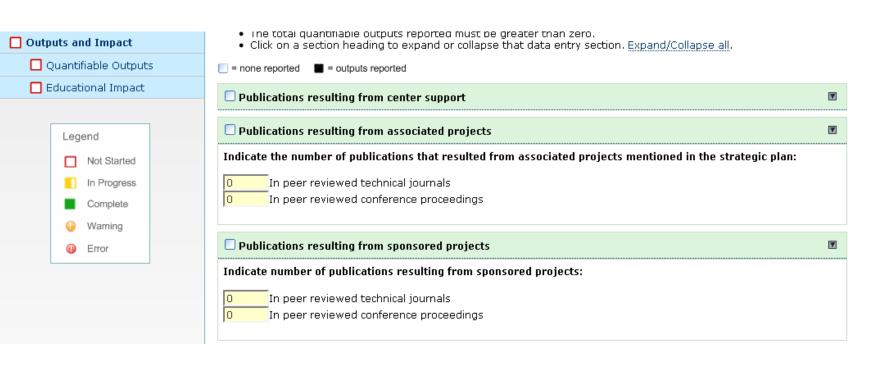


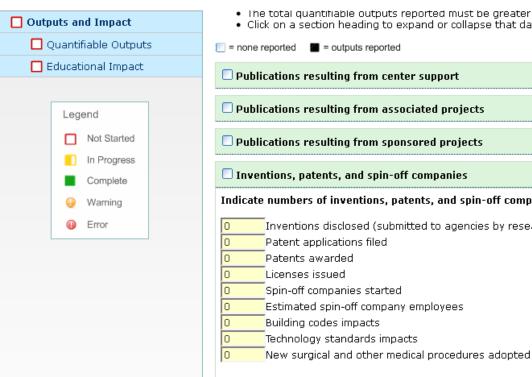
						·
Home	Data Entry	Report Tables	Your Account Information			
Organization	ie.				Preview	table created with these data:
	12	_				
Institutions		□ Annual Exp	penditures and Budg	jet <i>s</i>		
Personnel						
Research		Enter the budget amo of sources of support	unts for the prior, current and next reported for the current award yea	award year in the table belo r budget is displayed below 1	w. Do not include associated pro the current total <b>. You will not be</b>	ject expenditures. The tota able to complete this sect
Money		the current award ye academic institutions a	ar budget total matches the repor	ted amount. The reported ar	mount is equal to the total cash e	entered for all organizations
Sources	of Support					
☐ Functional Budget	al and Educational	✓ Indicates where ac	tual differs from estimate			
☐ Annual E	xpenditures and		EXPENDITURES Salaries & Benefits		Current Award Year Budget	Proposed Budget - Ne Award Year
Budgets					08/15/2011 - 08/14/2012	08/15/2012 - 08/14/2
Outputs and	Impact	A. Senior Personnel:	: PI/PD, Co-PIs, Faculty, and Oth	er Senior Associates	0	00,13,2012 00,14,2
		B. Other Personnel:				
Legen	nd	B1. Postdoctoral Asso	nriates		0	
	Not Started		B2. Other Professionals (technician, programmer, etc.)			
	n Progress	B3. Graduate Studen			0	
	Complete Varning	B4. Undergraduate S			0	
<b>⊕</b> E	Error	B5. Secretarial - Cleri			0	
		B6. Other			0	
		C. Fringe Benefits			0	
		Salaries & Benefits	Total (A+B+C):		0	
			ems exceeding \$5,000)		\$0	
		E. Travel	ems exceeding \$3,000)		0	
		F. Participant Suppo	ert .		0	
		G. Other			0	
		H. Direct Costs Total	I (A through G):		0	
		I. Indirect Costs	. ( a oug., u.).		\$0	
		J. Direct and Indirec	+ Costs (H+I).		0	
		K. Residual Funds	A C0363 (H+1).			
		A Residual I dilds			0	
		Total Expenditures 8	k Budgets (J+K): 🔎		\$0	
		Current Year Support	t		\$0	



Home	Data Entry	Report Tables	Your Account Information					
Organization	ns			Preview tables created with these data: Table 1   Table 1a   Table	3a			
Institutions		Outputs and	Impact					
Personnel		☐ Quantifiable C	-					
Research		_	•	s at the ERC for this reporting year.				
■ Money		<ul> <li>Complete Quant</li> </ul>	ion about the quantifiable outputs ifiable Outputs before entering inf ïable outputs reported must be gi	ormation for Educational Impact.				
Outputs and	d Impact	Click on a section	nable outputs reported must be gi n heading to expand or collapse t	reater than zero. hat data entry section. <u>Expand/Collapse all</u> .				
Quantifia	able Outputs	= none reported ===	orted = outputs reported					
Education	onal Impact	□ Publications resulting from center support						
Lege	nd	□ Publications resul	ting from associated projects		V			
	Not Started	Publications resul	ting from sponsored projects		V			
	In Progress	☐ Inventions, naten	ts, and spin-off companies		V			
	Complete	_ zavonaono, paten	,pm on companies					
	Warning	Degrees and jobs			7			
()	Error	☐ ERC's influence or	n Curriculum		7			
					7			
		☐ Information Disse	mination/Educational Outreach					
		Personnel exchan	ges		V			







- The total quantifiable outputs reported must be greater than zero.
- Click on a section heading to expand or collapse that data entry section. Expand/Collapse all.
- M V Indicate numbers of inventions, patents, and spin-off companies: Inventions disclosed (submitted to agencies by researchers or technology transfer office)



Degrees and jobs

## Indicate number of degrees granted to ERC students:

(note: Count degrees, not number of students)

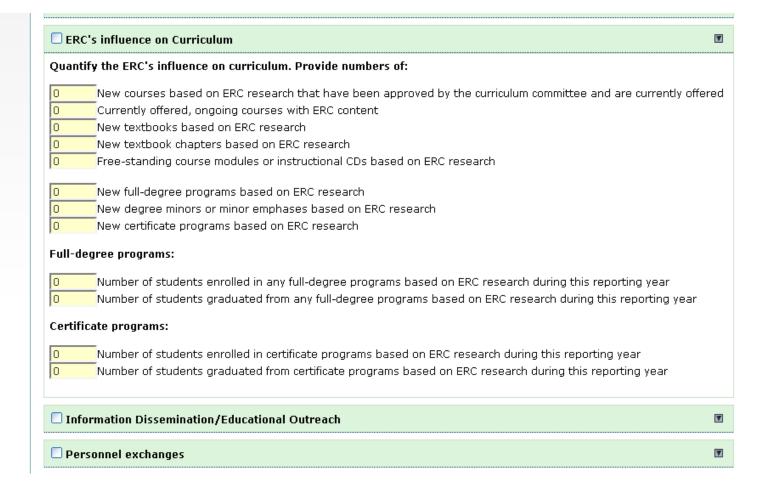
O Bachelor's degrees

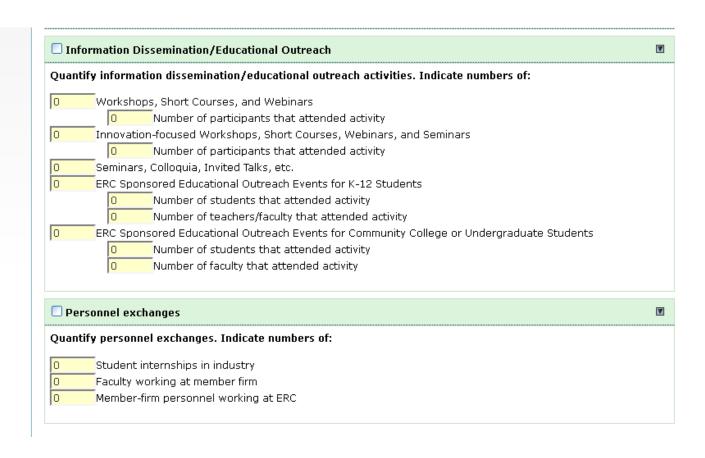
O Master's degrees

O Doctoral degrees

## Indicate the job sector of ERC graduates for the following categories and degrees:

Hired by		Type of	Degree	
	Bachelor's	Master's	Doctoral	TOTAL
Industry				
ERC member firms	0	0	0	0
Other U.S. industry	0	0	0	0
Other foreign industry	0	0	0	0
Industry Subtotal:	0	0	0	0
Government	0	0	0	0
Academic institutions	0	0	0	0
Other	0	0	0	0
Undecided/still looking/unknown	0	0	0	0
Total by degree	0	0	0	0







Home	Data Entry	Report Tables	Your Accou	nt Information					
Organization	ns	_				Preview table	s created with	these data: Table	1   <u>Table 1a</u>   <u>T</u> a
Institutions		Outputs and	Impact						
Personnel		■ Educational I	-						
Research									
■ Money			With engineered	With multidisciplinary	Team taught by faculty from more	Undergraduate level	Graduate level	Used at more than 1 ERC	Total reported Quantifiable
Outputs and Impact			systems focus	content	than 1 department			institution	Outputs
Quantifi	able Outputs	New courses currently offered	0	0	0	0	0	0	
☐ Educatio	onal Impact	Currently offered, ongoing courses with ERC content	0	0	0	0	0	0	
Lege		Workshops, Short Courses, and Webinars	0	0	0	0	0	0	
	Not Started In Progress	New textbooks based on ERC research	0	0	N/A	0	0	0	
	Complete Warning								
0	Error	Save							