

COLLEGE OF CHARLESTON
Office of Research and Grants Administration

Annual Report on External Funding Activity—Awards
Fiscal Year 2010

The College of Charleston received seventy-nine awards totaling \$7,034,350 in external funding during fiscal year 2010 (July 1, 2009 to June 30, 2010). Of these awarded funds, eighty-three percent came from federal sources.

The National Science Foundation was the College's number one funding sponsor in fiscal year 2010 with \$2,986,796. NASA awarded the second highest amount to the College with \$1,044,400.

Award Amounts by Funding Source, Fiscal Year 2010:

<u>Funding Source</u>	<u>Number of Awards</u>	<u>Amount</u>
Federal	52	\$ 5,837,167
State (SC only)	8	\$ 389,476
Private (Nonprofit, Corporate, other states, etc.)	17	\$ 795,296
Local Govt. (Charleston area only)	2	\$ 12,411
Total	79	\$ 7,034,350

Major Funding Sponsors, Fiscal Year 2010:

<u>Sponsor (Originating Agency)</u>	<u>Amount</u>
National Science Foundation	\$2,986,796
NASA	\$1,044,400
US Dept. of Education	\$511,086
Howard Hughes Medical Institute	\$355,125
SC Dept. of Education (US Dept. of Education)	\$281,953
Council on Library and Information Resources	\$184,000
SC Dept. of Education	\$161,333
NOAA	\$130,125
Duke University (DOE - NICCR)	\$123,331
SC Commission on Higher Education	\$112,500
College Transition Connection	\$105,000

Awards received after June 30, 2010 will be reported in fiscal year 2011.

Funding Received, Fiscal Year 2010							
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Owens, Dave (Graduate Student)		Graduate School	NSF Graduate Fellowship	NSF		\$40,500	
							Total Graduate School \$40,500
							Total Graduate School \$40,500
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Walker, Doug	Bryant, Lonnie	Economics & Finance	Profitability and Return-on-Investment from Casino Amenities	HHRC/UNLV		\$24,100	
							Total Economics & Finance \$24,100
Shaver, Kelly	McCandless, Amy	Management & Entrepreneurship	Lowcountry Partnership for Biomedical Innovation	NSF		\$599,969	
							Total Management & Entrepreneurship \$599,969
Quesada, Gioconda		Marketing & Supply Chain Management	North American mobility in Higher Education	US Dept. of Education		\$53,086	
							Total Marketing & Supply Chain Management \$53,086
Bluestein, Jessica		Tate Center	Entrepreneurship for Creatives	SC Arts Commission		\$5,000	
							Total Tate Center \$5,000
							Total Business \$682,155
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Egelson, Paula	Provost, Mary	Center for Partnerships	Center of Excellence for Advancement of New Literacies in the Middle Grad	SC Commission on Higher Education (CHE)		\$112,500	
							Total Center for Partnerships \$112,500
Lewis, Andrew		Health & Human Performance	Advanced Placement Summer Institute	SC Dept. of Education		\$23,305	
Scheett, Tim		Health & Human Performance	Effect of Nutritional Supplementation in Conjunction with a Resistance Train Scivation			\$16,800	
Smail, Karen	Manning, Marie	Health & Human Performance	Move, Groove, and Get Active: A Family Centered Recreation Program for (SCDDS	DHHS		\$14,058	
							Total Health & Human Performance \$54,163
Prevost, Darren	Martin, Jeannie; Welch, Fran	Lowcountry Math & Science Regional Center	Math and Science Unit Coaching Initiative (Lowcountry Math and Science Regional Center) (2009-2010)	SC Dept. of Education	US Dept. of Education	\$209,610	
							Total Lowcountry Math & Science Regional Center \$209,610
Cudahy, Diane		Teacher Education	Junior-Senior Professional Experience	Winthrop University/CERRA		\$13,200	
Skinner, Michael		Teacher Education	Project CREATE MAT-ED 2010	SC Dept. of Education	US Dept. of Education	\$47,539	
Skinner, Michael		Teacher Education	Project CREATE MAT-ED 2011	SC Dept. of Education	US Dept. of Education	\$24,804	
Swanson, Julie		Teacher Education	Gifted and Talented Graduate Courses 2009-2010	SC Dept. of Education		\$138,028	
							Total Teacher Education \$223,571
							Total Education, Health & Human Performance \$599,844
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Lewis, Simon	Randle, Lisa	Carolina Lowcountry & Atlantic World	Conference and Teachers' Workshop on "Race, Labor, and Citizenship in th	THC - SC	NEH	\$4,000	
							Total Carolina Lowcountry & Atlantic World \$4,000
Doherty, Garrett	Davis, Carol Ann; Varallo, Anthony	English	Crazyhorse Literary Journal Expansion 2010	NEA		\$7,500	
							Total English \$7,500
May, Cynthia		Psychology	REACH (formerly: LIFE)	College Transition Connection (CTC)		\$55,000	
May, Cynthia		Psychology	REACH (formerly: LIFE)	College Transition Connection (CTC)		\$50,000	
							Total Psychology \$105,000
Key, Janet		Riley Center	Community Residential Survey of Crime Perception	North Charleston Police Department		\$5,000	
Key, Janet		Riley Center	KICA Election Ballot for 2010 Annual Meeting	Kiawah Island Community Association (KICA)		\$7,300	
Stewart, Kendra		Riley Center	Mt. Pleasant Waterworks Customer Satisfaction Survey	Mt. Pleasant Waterworks		\$3,256	
Stewart, Kendra		Riley Center	Charleston County School District Survey	Charleston County School District		\$7,411	
							Total Riley Center \$22,967
							Total Humanities & Social Sciences \$139,467
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Ivy, Helen		Library	Management of NMFS Charleston Laboratory Library (2009-10)	NOAA		\$115,125	
Ivy, Helen		Library	SC DNR Library Services (2009-2010)	SC DNR		\$53,281	
Rosengarten, Dale	Ferrara, Marie	Library	Cataloging Hidden Special Collections: Jewish Heritage Collection Catalogin	Council on Library and Information Resources (CLIR)		\$184,000	
							Total Library \$352,406
							Total Library \$352,406

PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Chandler, Karen		Arts Management	The Charleston Jazz Initiative's (CJI) Legends Band Compact Disc Recording	NEA		\$40,000	
Chandler, Karen		Arts Management	Charleston Jazz Initiative (CJI) Legends Festival	THC-SC	NEH	\$6,750	
						Total Arts Management	\$46,750
						Total School of the Arts	\$46,750
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
Burnett, Karen	Burnett, Louis	Biology	Marine Organisms as Disease Vectors	Hollings Marine Laboratory	NOAA	\$15,000	
DeBuron, Isaure (Graduate Student)		Biology	Biology and ecology of the parasitic isopod, <i>Oleocira praegustator</i> , in South	American Society of Parasitologists		\$500	
DiTullio, Jack		Biology	MRI: Consortium: Acquisition of a Shipboard Sorting High Speed Flow Cytom	NSF		\$1,274,295	
DiTullio, Jack		Biology	Planning Meeting for a USA-Italy Coastal Antarctic Time Series	NSF		\$20,000	
Dustan, Phil		Biology	Continuation of ecological watershed studies on BP lands	BP America, Inc.		\$1,000	
Morris, Pam		Biology	An Assessment of the Microbial Diversity Associated with Selected Caribbean	NSF		\$76,003	
Plante, Craig (Graduate Student)		Biology	Nitrogen isotopic composition of amino acids in red drum (<i>Sciaenops ocellat</i>	Gilder Graduate School	American Museum of Natural History	\$1,200	
Plante, Craig (Graduate Student)		Biology	Toxicity of the insecticide permethrin to two species of estuarine fish, Fundu	SC Sea Grant		\$21,104	
Plante, Craig (Graduate Student)		Biology	An Assessment of the Presence and Fate of Pharmaceuticals and Personal	SC Sea Grant		\$30,258	
Pritchard, Seth	Strand, Allan	Biology	Synchronicity of fine root and soil fungal phenology: Response to disturbance	Duke University	DOE - NICCR	\$123,331	
Rutter, Matthew		Biology	Collaborative: RUI: Quantifying mutation parameters in a fitness landscape: s	NSF		\$258,372	
Scholten, Brian		Biology	Congaree Park Moth Survey	Clemson	US Dept. of the Interior	\$6,800	
Sotka, Erik		Biology	Phylogenetic effect on host use within generalist herbivores: a case study u	NSF		\$339,999	
Zimmerman, Anastasia		Biology	(RUI): Targeted Annotation and Exploration of Synteny of Immunoglobulin I	NSF		\$151,570	
						Total Biology	\$2,319,432
Cory, Wendy	Heldrich, Rick	Chemistry & Biochemistry	Phasal-Gas Chromatography and Mass Spectrometry Analysis	Terresentia, LLC		\$10,000	
	Meyer-Bernstein, Beth; Hurd, Mark; Oprisan, Sorinel; Van Sickle, Meta	Chemistry & Biochemistry		Howard Hughes Medical Institute (HHMI)		\$355,125	
Riggs-Gelasco, Pam			Undergraduate Science Education Program	SCRA EPSCoR	NIH	\$46,116	
Wyatt, Justin		Chemistry & Biochemistry	Administrative Supplement (INBRE; ARRA subaward)				
						Total Chemistry & Biochemistry	\$411,241
Bowring, James		Computer Science	EARTHCHEM: Advancing Data Management in Solid Earth Geochemistry	University of Kansas	NSF	\$5,000	
Bowring, James		Computer Science	CIRDLES Yr 1: Development of Cyber Infrastructure to Support Laser-Ablat	Exxon Mobil		\$35,000	
Bowring, James		Computer Science	Collaborative: Analytical techniques and software: Development of cyberinf	NSF		\$127,478	
Moore, Christine		Computer Science	SCAMP FY10	South Carolina State University	NSF	\$46,914	
Moore, Christine		Computer Science	SCAMP FY10 - State Matching Funds	South Carolina State University		\$9,815	
Pothering, George		Computer Science	Collaborative Research: An EPSCoR Desktop to Teragrid Ecosystem	SCRA	NSF	\$22,200	
						Total Computer Science	\$246,407
	Doyle, Brigit; Jaume, Steve; Levine, Norm	Geology & Environmental Geosciences					
Beutel, Erin			SC earthquake education and preparedness program (2009-2010)	SC Emergency Management Division		\$6,000	
Callahan, Timothy		Geology & Environmental Geosciences	Monitoring Stream Flow in the Turkey Creek Watershed, Francis Marion Na	USFS/USGS		\$11,396	
Colgan, Mitchell		Geology & Environmental Geosciences	SC Space Grant Consortium...	NASA		\$300,000	
Colgan, Mitchell		Geology & Environmental Geosciences	NASA EPSCoR Research Infrastructure Development Plan 2008-2010	NASA		\$250,000	
Colgan, Mitchell		Geology & Environmental Geosciences	FY2009 Congressionally-directed Grant Awards: Equipment for the Lowcou	US Dept. of Education		\$238,000	
Colgan, Mitchell		Geology & Environmental Geosciences	Space Grant Year 18	NASA		\$430,000	
Harris, Scott		Geology & Environmental Geosciences	NOAA Deep Sea Coral	NOAA		\$15,000	
Levine, Norm		Geology & Environmental Geosciences	Community Action for a Renewed Environment (CARE) Project	Charleston County	EPA	\$23,472	
Levine, Norm		Geology & Environmental Geosciences	Assessing Flooding Adaptation Needs in the City of Charleston, SC	SC Sea Grant	NOAA	\$15,100	
Runyon, Cassandra		Geology & Environmental Geosciences	M3-Moon mineralogy mapper	Brown University	NASA	\$49,817	
Runyon, Cassandra	Hakkila, Jon	Geology & Environmental Geosciences	NASA AO Joint student mission design projects.	Univ Alabama-Huntsville	NASA	\$7,500	
Runyon, Cassandra	Hakkila, Jon	Geology & Environmental Geosciences	Supplement: NASA AO Joint student mission design projects.	Univ Alabama-Huntsville	NASA	\$10,000	
Runyon, Cassandra		Geology & Environmental Geosciences	MoonRise: A NASA New Frontiers Mission	Univ Washington-St Louis	NASA	\$30,000	
Runyon, Cass		Geology & Environmental Geosciences	Brown/MIT Lunar Science Institute	Brown University	NASA	\$9,200	
Sautter, Leslie	Sancho, Gorka	Geology & Environmental Geosciences	At-Sea Research Opportunities for the Next Generation of Scientists: The O	Florida Atlantic University	NOAA	\$94,207	
Sautter, Leslie	Sancho, Gorka	Geology & Environmental Geosciences	The Gulf Stream Transect Oceanography Program (GuSTO): Undergraduat	SC Sea Grant Consortium	NOAA	\$39,785	
Vulava, Vijay	Callahan, Timothy	Geology & Environmental Geosciences	Storm Hydrograph Separation Analysis for Paired Coastal Watersheds: An I	Clemson University	NOAA	\$33,381	
						Total Geology & Environmental Geosciences	\$1,562,858
Hall, Cyndi		Lowcountry Hall of Science & Math	Fly Me to the Moon	National Space Grant Foundat	NASA	\$30,000	
						Total Lowcountry Hall of Science & Math	\$30,000
Ivey, Tom	Przeworski, Andrew	Mathematics	Southeast Geometry Conference, 2010-2012	NSF		\$22,440	
Langville, Amy		Mathematics	CAREER: Information Retrieval and Mathematical Dissection Lab	NSF		\$76,170	
						Total Mathematics	\$98,610
Carson, Joe		Physics & Astronomy	Coldest Imaged Companion of a Sun-like Star	Jet Propulsion Lab	NASA	\$11,750	
Chartas, George		Physics & Astronomy	The Size of Quasar Non-Thermal /X-ray Emission Regions	Smithsonian Astrophysical Obs	NASA	\$42,000	

Chartas, George		Physics & Astronomy	An Archival Study of the X-Ray Spectral Evolution of AGNs	Smithsonian Astrophysical Obs	NASA	\$44,906	
Chartas, George		Physics & Astronomy	XXM: At the Edge of an AGN Wind: A Deep Observation of PG 1126-041	NASA		\$64,400	
Fragile, Chris		Physics & Astronomy	Radiation Transport in Numerical Simulations of Black-Hole Accretion Disks	ORAU		\$25,000	
Hakkila, Jon		Physics & Astronomy	Quantified confusion: Stochastic process modeling of astronomical data	Cornell University	NASA	\$25,644	
						Total Physics & Astronomy	\$213,700
						Total Sciences & Mathematics	\$4,882,248
PI	Co-I(s)	Department/Unit	Project Title	Sponsor	Originating Agency	Amount Funded	Totals
llagan, Guy		Counseling & Substance Abuse Services	Palmetto initiative for campus/community collaborations (PICCC)	SC Department of Alcohol & O	US Dept of Justice	\$66,980	
						Total Counseling & Substance Abuse Services	\$66,980
Gilliard, Chris		Multicultural Student Programs and Services	Safe Zone project	Alliance For Full Acceptance		\$4,000	
Smith, Teresa		Multicultural Student Programs and Services	McNair Post-Baccalaureate Achievement	US Dept. of Education		\$220,000	
						Total Multicultural Student Programs and Services	\$224,000
						Total Student Affairs	\$290,980
						Total Funding in FY10	\$7,034,350