

A photograph of a multi-tiered black fountain in a brick-lined pool at Radford University. The fountain is surrounded by a black metal fence. In the background, there are green trees, a brick building, and a few people walking on a path under a clear blue sky.

RU
RADFORD
UNIVERSITY

FY 2012 ANNUAL REPORT

Office of Sponsored Programs &
Grants Management

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MISSION AND INTRODUCTION

MISSION

The Office of Sponsored Programs and Grants Management (SPGM) supports all faculty and staff in the pursuit of external funding that benefits the university and its students.

SPGM coordinates the solicitation and administration of grants, contracts, and cooperative agreements on behalf of the university. Our responsibilities include assisting faculty and staff in identifying potential funding opportunities; providing faculty/staff with development services through various forms of outreach; negotiating awards; overall post-award administration of grants and contracts awarded to the university, as well as suggestions of policies and procedures relating to such efforts.

- Grants and contracts handled by SPGM are those funds received by the university for a specific purpose or program, under the direction from a member of the faculty community. Funding is usually geared towards research, public service, or instructional activities. However, other forms of funding can include curriculum development, faculty development, equipment and/or facility renovation, student fellowships, conferences and performances.

INTRODUCTION

In fiscal year 2012, our office has made a transformation to provide better customer service to our faculty and staff. Our focus has been on helping our faculty succeed as they strive to reach their research, teaching and service mission goals of the University. This annual report reflects the growth of the university in sponsored activities for Fiscal Year 2012.

It is with great pleasure to report both proposal submissions and awards increased in FY 2012. We would like to acknowledge those individuals who have taken responsibility of pursuing external funding that contributed to this growth. Through their hard work and dedication, they have contributed to the success reflected in the pages of this annual report.

We are looking forward to continuing to help faculty and staff reach their goals in FY 2013.

LETTER FROM DIRECTOR

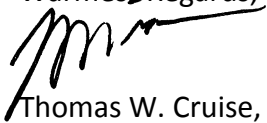
Dear Colleagues:

It is with great pleasure to present our annual report for Fiscal Year 2012. Because of the hard work and determination by our faculty, I am excited to report the Office of Sponsored Programs and Grants Management has well exceeded \$6 million in sponsored funding during this fiscal year. Our office processed and managed over 57 awards totaling \$6,333,954. This represented a 25% increase over last year! In addition to the increase in awards, this year we experienced the second most productive year on record for the amount of proposals submitted to various external agencies, which represented a 65% increase over proposals submitted the preceding year. Again, this report reflects the superior work of everyone who is involved that helped play a significant role in growing sponsored activities at RU.

Several new initiatives were launched this year that hopefully will accommodate the College's, Department's, and faculty's needs. These new initiatives included a monthly newsletter providing the most current funding opportunities; a new monthly grant writing newsletter providing good tips on proposal development; and the addition of our Research Consultants, who are providing assistance with research design or statistical analysis. We hope the services and support offered by our office has been a benefit to you and will continue to be as we enter the new academic year.

Congratulations again to those awardees, as well as those who worked extremely hard submitting proposals. The Office of Sponsored Programs and Grants Management looks forward to working with you in the upcoming year

Warmest Regards,



Thomas W. Cruise, Director

Sponsored Programs and Grants Management



RADFOR

SPONSORED



ACTIVITIES

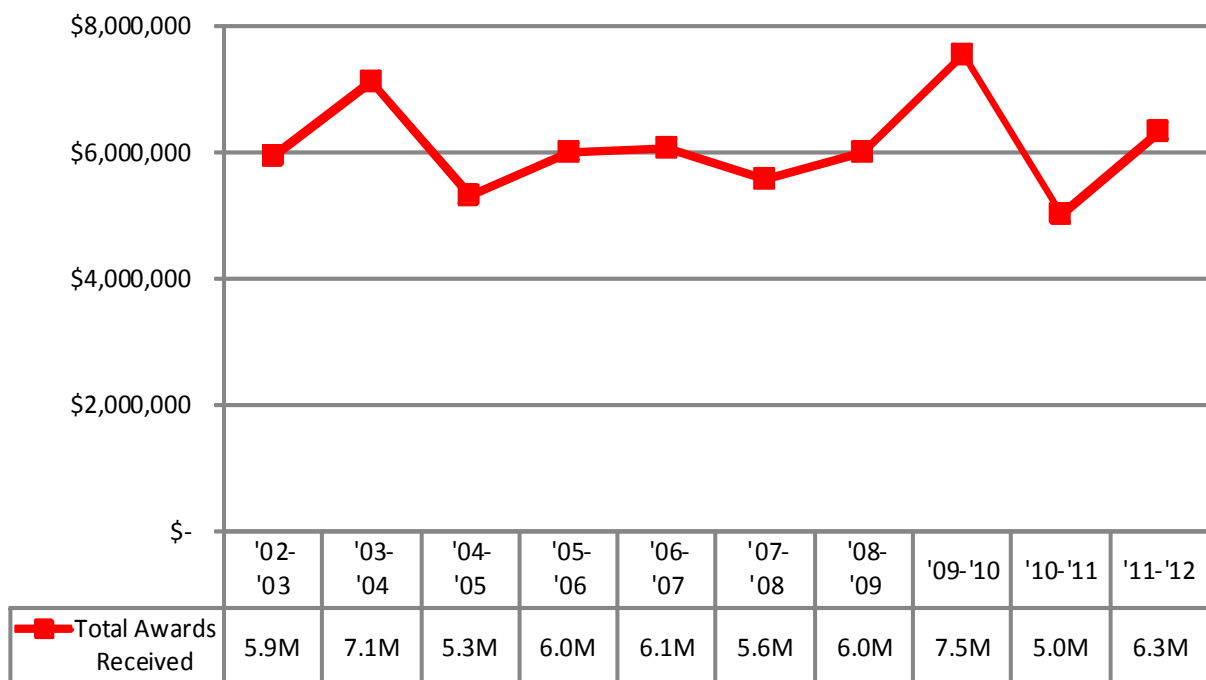
TOTAL AWARDS BY YEAR

Awards Received for FY 2012

The faculty, staff, and students of Radford University have again brought in \$5 million or more in grants, contracts, and cooperative agreements for the twelfth consecutive year. During Fiscal Year 12, fifty-seven (57) awards were received for a total of \$6,333,954 in external funding.

Our success may be seen in the following graph.

**Amount Awarded in Sponsored Agreements
Fiscal Years 2002-2012**

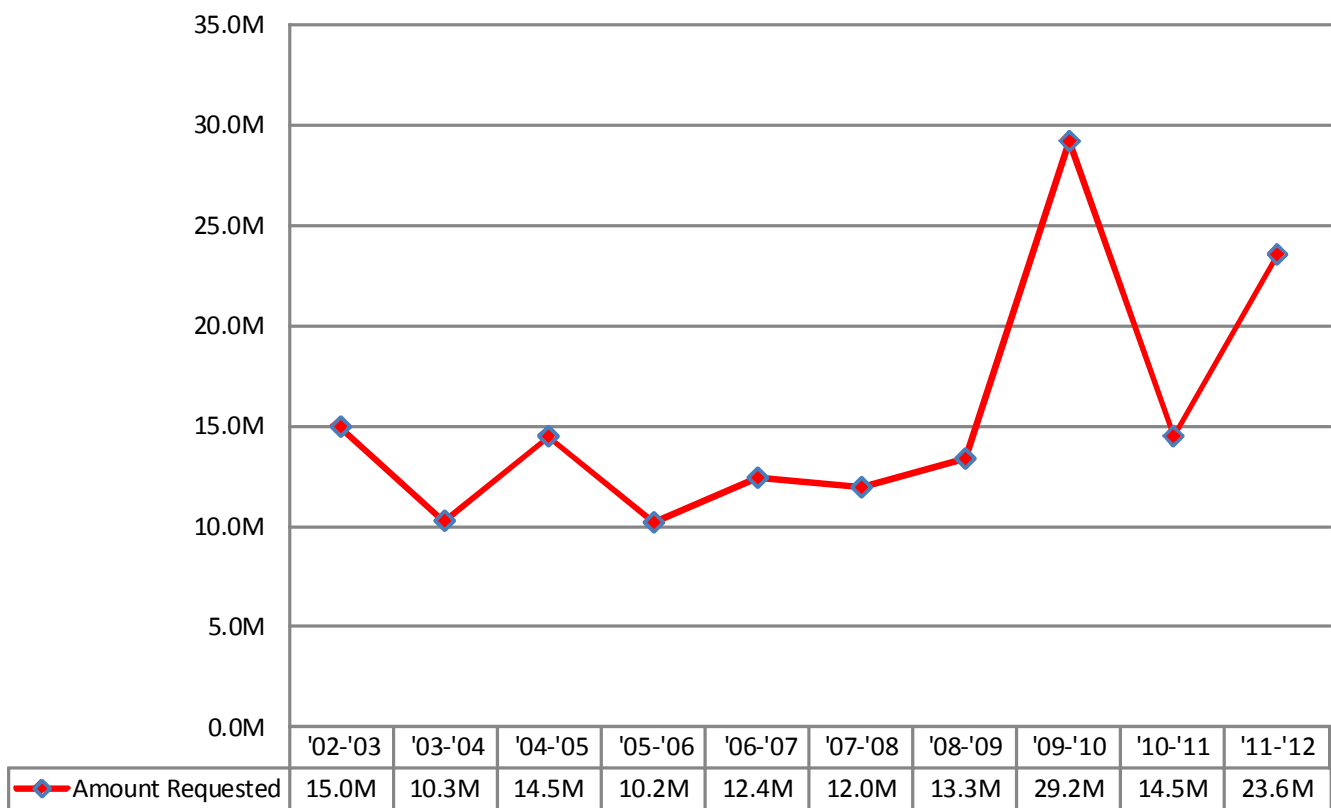


TOTAL SUBMISSIONS BY YEAR

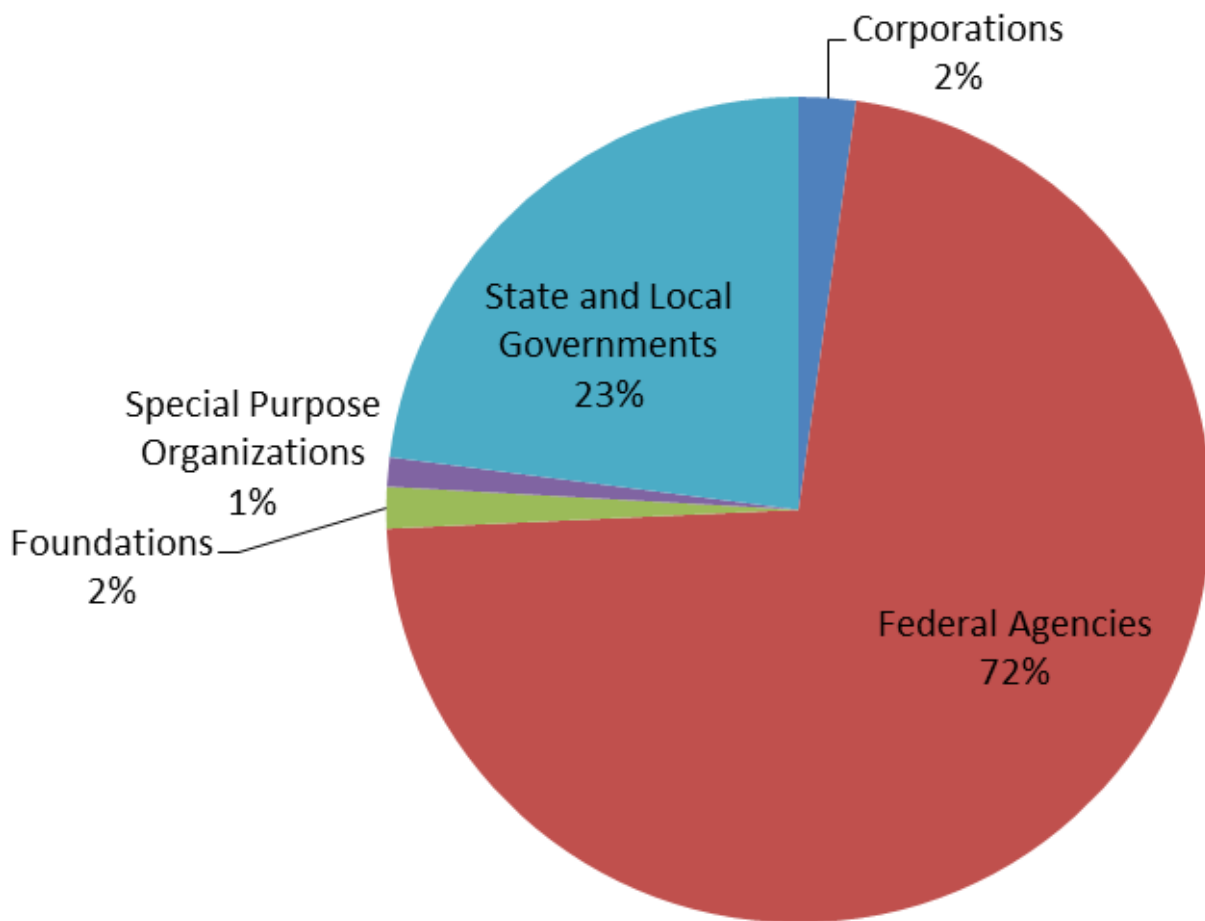
Proposal Submissions for FY 2012

Through hard work and dedication, the faculty, staff and students submitted the second highest requested amount in proposals submissions within the past ten years. We are looking forward to watching this grow over the next year.

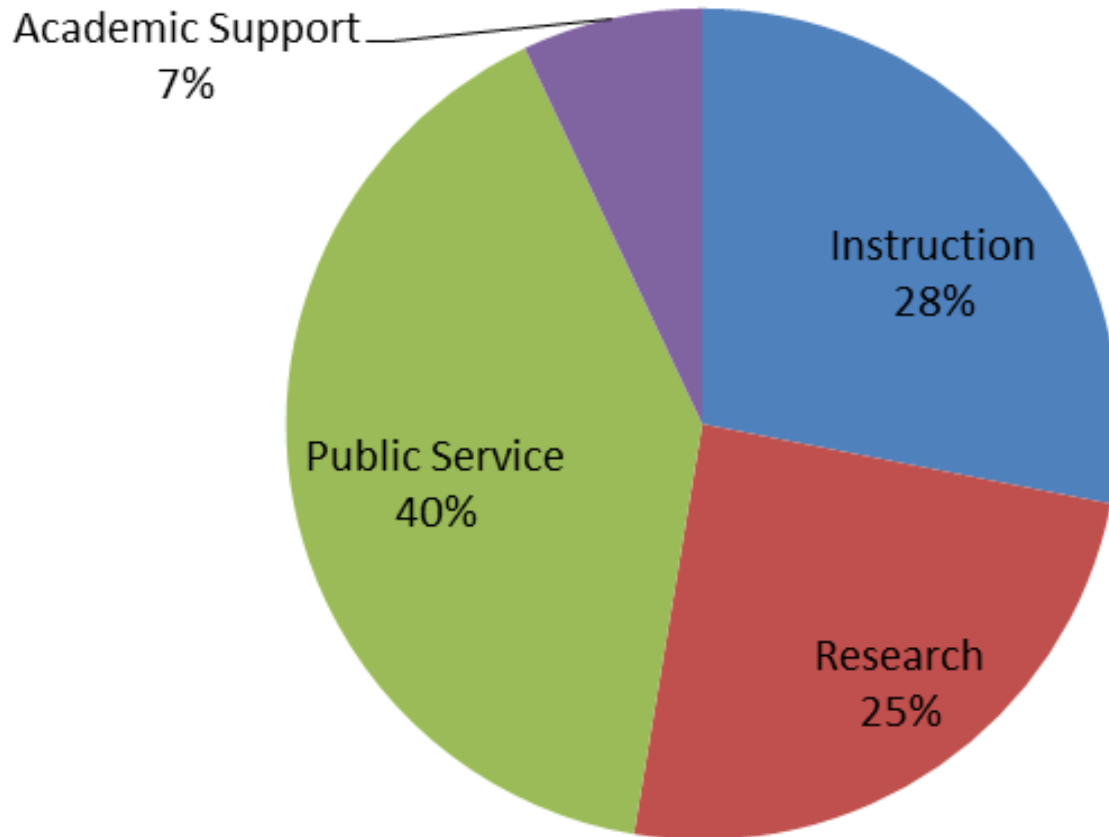
Amount Requested for Proposal Submission Fiscal Years 2002-2012



AWARDS BY FUNDING SOURCE

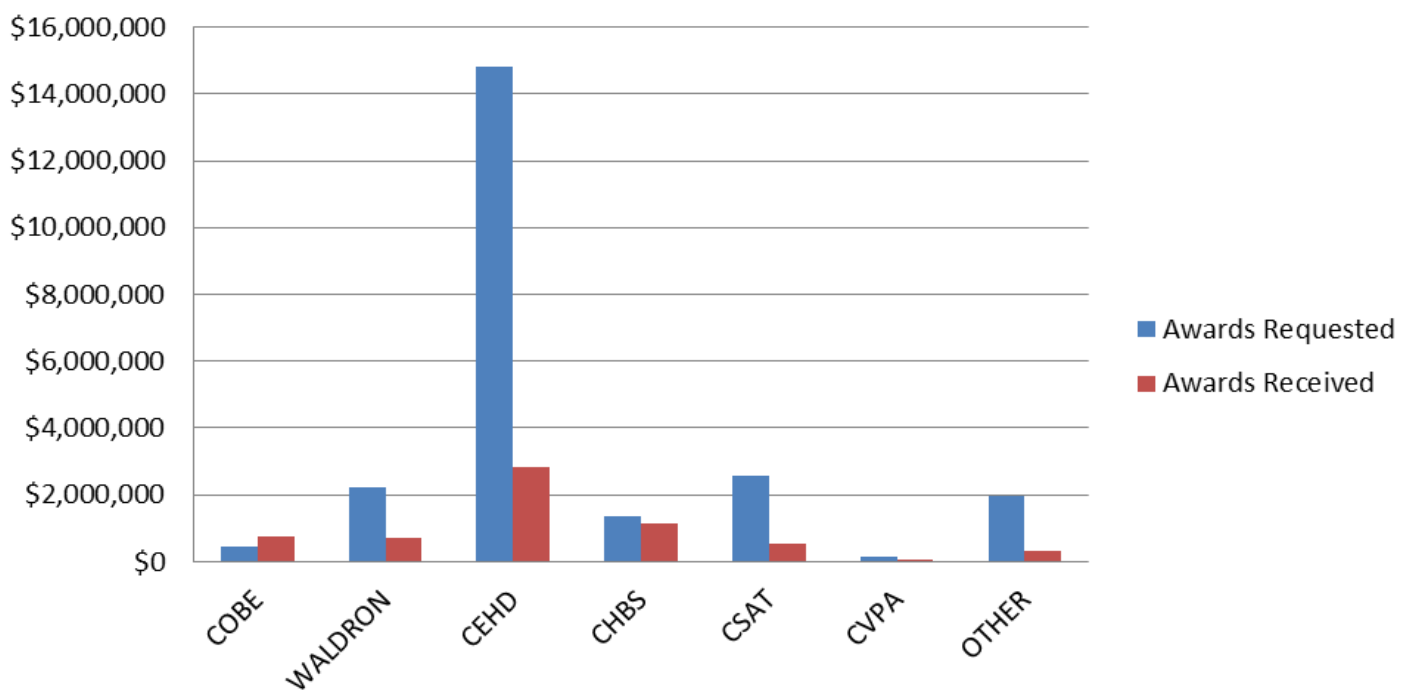


AWARDS BY SOURCE



FY 2012 SUBMISSIONS

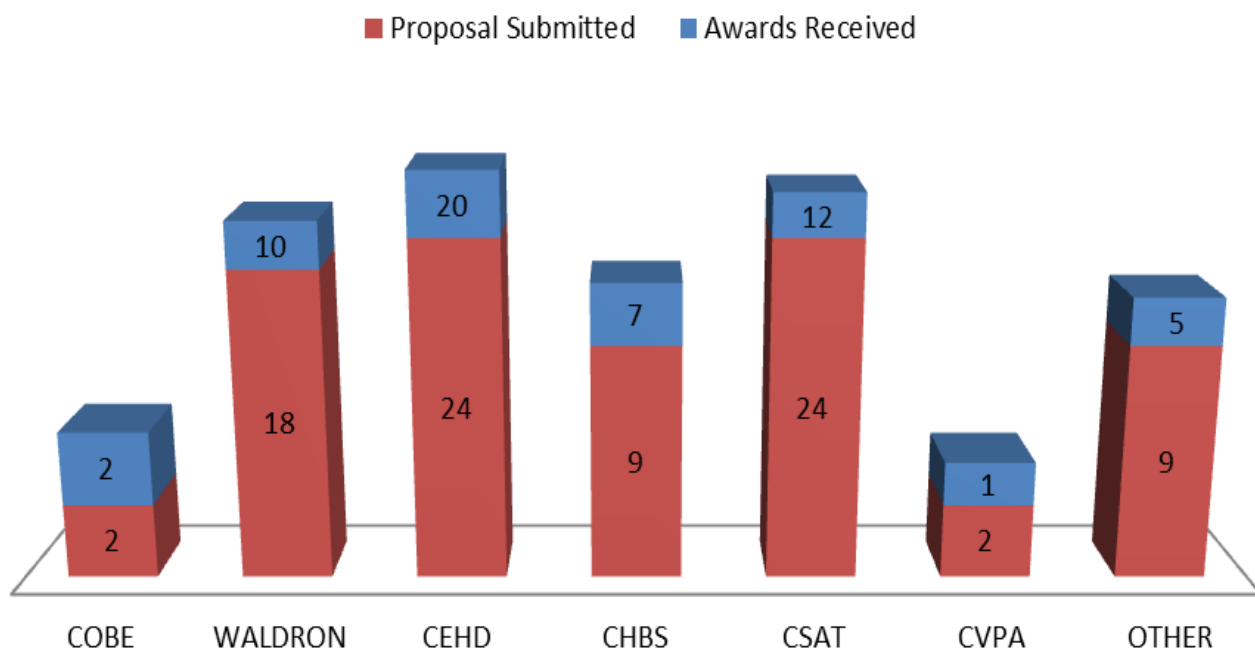
FY2012 Grant Activity by Academic Unit



Department	Amount Requested	Amount Received
COBE	\$447,934	\$750,716
WALDRON	\$2,229,114	\$702,252
CEHD	\$14,832,552	\$2,841,238
CHBS	\$1,370,300	\$1,160,346
CSAT	\$2,568,226	\$556,060
CVPA	\$140,343	\$1,999
OTHER	\$1,969,584	\$321,343

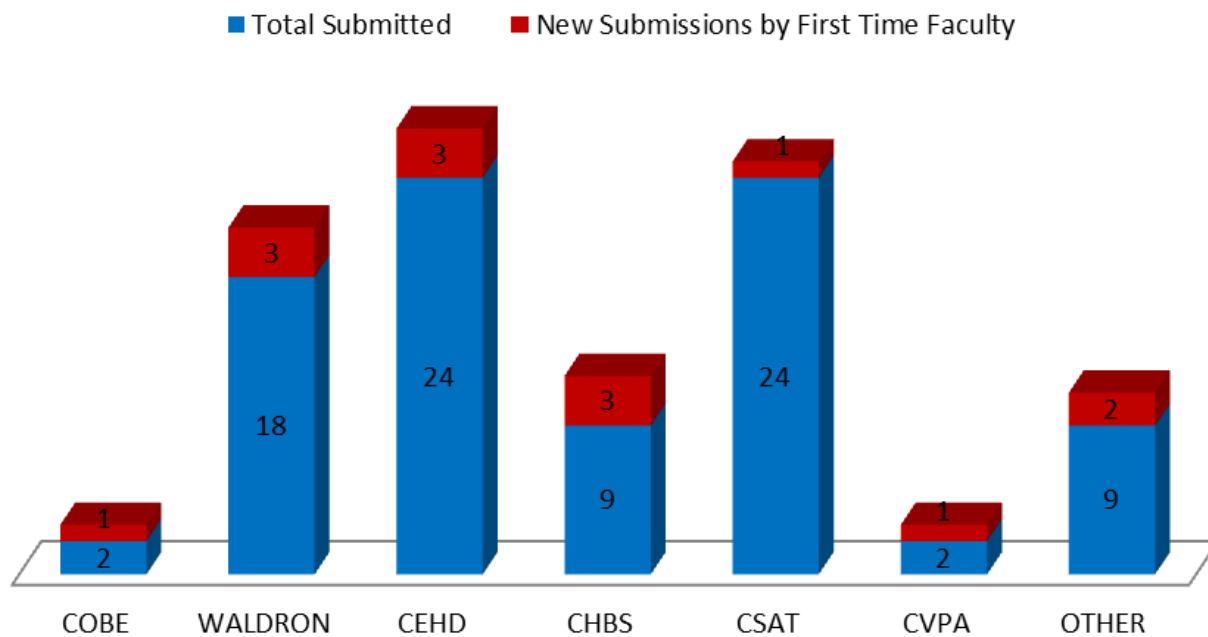
AND AWARDS BY ACADEMIC UNIT

FY2012 Submissions/Awards by Academic Unit



SUBMISSIONS AND AWARDS

Individuals Submitting Proposals for the First Time by College



College of Business and Economics

- Dr. Daniel Davidson

Waldron College of Health and Human Services

- Dr. Corey Herd
- Dr. Rana Duncan-Daston
- Dr. Deneen Evans

College of Education and Human Development

- Dr. Cathy Hudgins
- Dr. Allyster Brooke Blanks
- Dr. Kurt Metz

College of Humanities and Behavioral Sciences

- Dr. Rosemary Guruswamy
- Dr. Margaret Hrezo
- Dr. C. Allen Gorman

College of Science and Technology

- Dr. Andrew Foy

College of Visual and Performing Arts

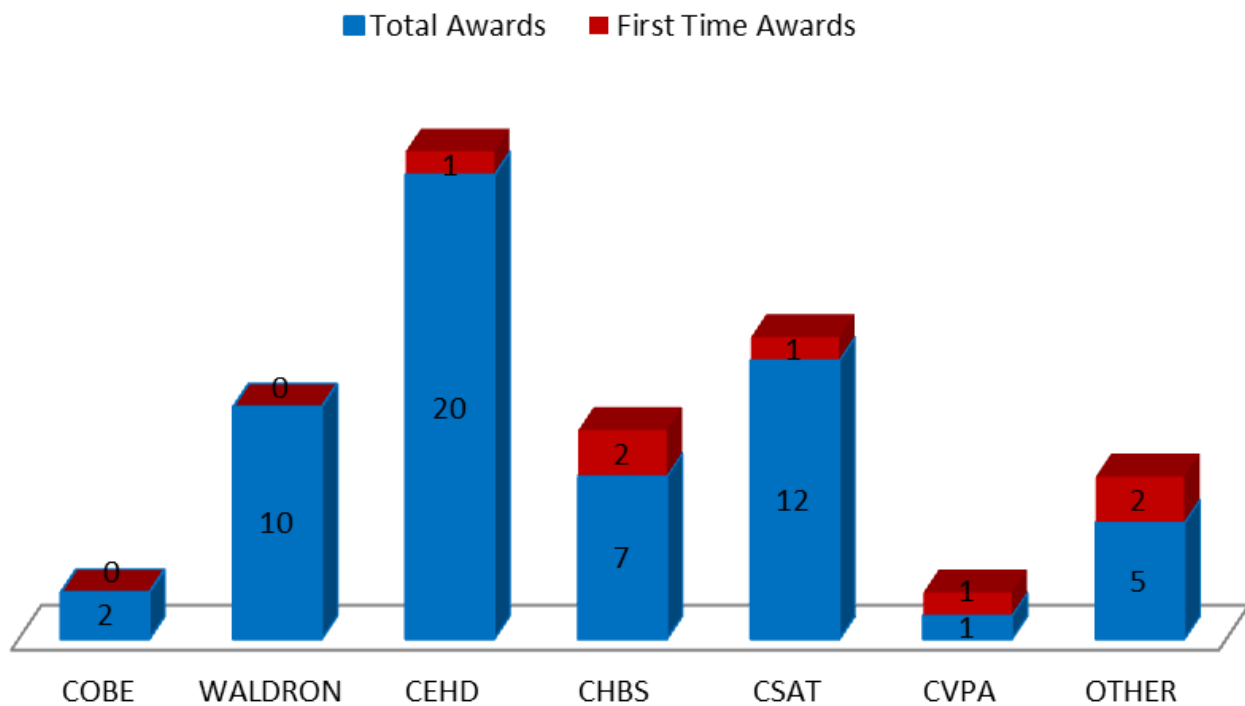
- Dr. Patricia Winters

Other Departments

- Dr. Erin Webster-Garrett
- Candice Benjes-Small

BY FIRST TIME FACULTY

Individuals Receiving Awards for the First Time by College



College of Business and Economics

- None

Waldron College of Health and Human Services

- None

College of Education and Human Development

- Dr. Allyster Brooke Blanks

College of Humanities and Behavioral Sciences

- Dr. Elizabeth Lyman
- Dr. Carla Corroto

College of Science and Technology

- Dr. Andrew Foy

College of Visual and Performing Arts

- Dr. Patricia Winters

Other Departments

- None

OUTREACH

The Office of Sponsored Programs and Grants Management provided several outreach activities to our faculty, staff and students over the past fiscal year. We offered two highly attended research luncheons with guest speakers, Dr. Janet Webster from Virginia Tech and Provost Sam Minner. Each research luncheon had over approximately 70 attendees. In addition, we provided both internal and external workshops for the RU Community to attend.

This year we proudly launched our first electronic newsletter, *RU Discovery*. Our newsletter disseminates grant writing tips, post award topics, sponsor news, submission and award announcements, and relevant funding opportunities by each academic unit. Also, SPGM distributed two additional newsletters which provided notable developments in sponsored research along with grant writing advice.

Below is a list of outreach activities provided by our office in FY2012:

- Grant Writing Luncheon in September, 2011.
- Spring Research Luncheon in April, 2012.
- Our Turn sessions for the Fall, Spring and Summer sessions on Pre-Award and Post-Award topics.
- Open House to meet the staff of Sponsored Programs in January, 2012.
- Sent five faculty to the Grant Writing USA one-day workshop.
- Grant 101 training session for
 - * PsyD Students
 - * Occupational Therapy Students
- Specialized COS training session for
 - * Psy.D. Students
 - * Nursing Students
 - * Leadership Team in Waldron
 - * One-on-One faculty training
- The launch of SPGM *RU Discovery* newsletter with seven issues distributed.
- Dissemination of the *Research Development & Grant Writing Newsletter*.
- Dissemination of the *Education Grants Alerts Newsletter*.

MILLION DOLLAR CIRCLE

The Million Dollar Circle program recognizes members of the RU faculty who receive a cumulative total of \$1 million dollars or more in external grants or contracts. Members of the Million Dollar Circle are formally recognized for their accomplishment at the beginning of the academic year following the fiscal year in which they become eligible for the award.

During this past fiscal year, the Office of Sponsored Programs and Grants Management was pleased to announce the following members of the RU community who achieved this honor:

Dr. Kenna Colley, Associate Professor
School of Teacher Education and Leadership
\$10,336,272

Dr. Jane Swing, Director
Adult Education and Literacy Project
School of Teacher Education and Leadership
\$3,697,541

Dr. Clifford Boyd, Co-Director
Forensic Science Institute
\$1,010,051

Congratulations to Drs. Colley, Swing, and Boyd for achieving this notable milestone!

INTERNAL FUNDING

INTERNAL GRANTS TO ASSIST IN SECURING EXTERNAL AWARDS

Seed Grants are offered to enable members of the faculty and staff to secure competitive external awards. A typical Seed Grant provides funding to conduct a preliminary study that leads to a major research grant, or grant with a research component. As a condition on receiving a Seed Grant, proposed sponsors must allow for indirect cost recovery in the budget.

Deadline for proposals are two times a year: October 1 and February 1.

Quick Response Grants assist members of the faculty and staff to be able to secure externally funded grants and contracts when there is not enough time to go through the Seed Grant process. These short-term awards are primarily to purchase time for a principal author and/or assistant to write a competitive award for a specific Request for Proposal (RFP) without much lead time.

Traveling to Meet with Potential Sponsors are small travel stipends given to faculty who are interested in meeting with Program Managers to discuss projects and funding possibilities.

Applicants for *Quick Response Grants* or *Traveling to Potential Sponsors* programs may submit at any time. Awards are subject to the availability of funds.

COLLEGE OF GRADUATE AND PROFESSIONAL STUDIES' UNIVERSITY RESEARCH AWARDS

The Dean of the College of Graduate and Professional Studies sponsored an internal grant competition this fiscal year called the *University Wide Research Award*. The purpose of a University Wide Research Award is to provide support to two or more faculty engaged in a jointly authored, multi-disciplinary research project. Multi-disciplinary implies that the faculty members reside in different academic departments. The expectation is that funded projects result in products (articles, books, performances, exhibitions, grant applications) that will eventually be peer reviewed/juried.

FACULTY AWARDEES

Seed Grant Awards

Dr. Hilary Lips—Psychology
Sarah Hastings—Psychology
Investigation of Social and Mental Health Aspects of Post-Mastectomy Breast Reconstructions to Direct New Avenues for Breast Tissue Engineering.
Award Amount: \$18,016

Dr. Jeremy Wojdak—Biology
Visual Data Collection and Image Analysis as Pathways to Student Engagement in Science
Award Amount: 19,958

Dr. Ruth Riding-Malon—Psychology \$19,933
Examining the Effectiveness of a Training Model for Natural Helpers
Award Amount: \$19,993

Dr. Deneen Evans—Social Work \$12,488
Assessing the Health Literacy of African American Grandparent caregivers
Award Amount: \$12,488

Dr. Sarah L. Smidl -Occupational Therapy \$15,595
Therapeutic Yoga Group for Children with Asperger's Syndrome
Award Amount: \$15,595

University Research Awards

Dr. Adrian Aron – Physical Therapy
Dr. Laura Newsome -Exercise, Science & Health Education
The Impact of Sleep Apnea on Cardiac Rehabilitation
Award Amount: \$19,920

Dr. Cliff Boyd –Forensic Science Institute
Dr. Rhett Herman-Physics
Using Remote-Sensing of Known Grave Sites to Develop a Forensic Science Model for Identifying Covert Burials
Award Amount: \$15,542

Dr. Iain Clelland-Management
Dr. Christine Small -Biology
Dr. Gary Fetter -Management
Terra2B: Development and Scenario Testing of a GIS-based Model of Appalachian Agroecosystems Management
Award Amount: \$17,700

Dr. Parvinder Sethi –Geology
Dr. Skip Watts- Geology
A Multi-Faceted, Interdisciplinary, Investigation of Causal Factors Leading to Erratic Drainage of Water in Mountain Lake, Giles County, VA
Award Amount \$19,979

Dr. Isaac Van Patten –Criminal Justice
Dr. Ann Elliott-Psychology
Dr. Jeffery Aspelmeier-Psychology
Dr. Thomas Pierce -Psychology
A Pilot Study of the Incidence and Correlates of Serious Mental Illness in Jail-Incarcerated Women
Award Amount \$19,460

PROPOSAL SUBMISSIONS

Altieri, Elizabeth, STEL. George Mason University flow through from ED. \$281,242. *Virginia Consortium for Teacher Preparation in Severe Disabilities and Autism*. The purpose of this proposal is to prepare 40 fully trained and qualified pre-service special education teachers with endorsement in Special Education, Adapted Curriculum K-12.

Altieri, Elizabeth, STEL. George Mason University flow through from VDOE ED. \$29,000. *Visual Impairment Grant 2011-2012*. This proposal is to pay for partial tuition support for students, and to teach a course as part of the Virginia Department of Education Statewide Training Consortium.

Altieri, Elizabeth, STEL. George Mason University flow through from Virginia Department of Education and U.S. Department of Education. \$62,500. *Severe Disabilities Grant 2011-2012*. This proposal proposes to teach one to two courses as part of the Virginia Department of Education Statewide Training Consortium.

Anderson, Justin, Biology. Jeffress Memorial Trust. \$30,000. *Preventing Arbovirus Infection with Pokeweed Antiviral Protein*. This study proposes to test pokeweed antiviral protein (PAP) for its ability to interfere with infection of mosquitoes in three ways: (1) determine PAP antiviral activity against La Crosse and dengue viruses, (2) assess PAP mosquito larvicidal activity, and (3) express PAP in insect cells and determine whether they are refractory to virus infection.

Anderson, Justin, Biology. Jeffress Memorial Trust. \$30,000. *Preventing Arbovirus Infection with Pokeweed Antiviral Protein(Resubmission)*. This resubmission proposal proposes to test pokeweed antiviral protein (PAP) for its ability to interfere with infection of mosquitoes in three ways: (1) determine PAP antiviral activity against La Crosse and dengue viruses, (2) assess PAP mosquito larvicidal activity, and (3) express PAP in insect cells and determine whether they are refractory to virus infection.

Baker, Michael, Police. Virginia Department of Motor Vehicles. \$8,550. *Pedestrian Safety/Bicycle*. The purpose of this grant is to provide approximately 400 hours of overtime enforcement to enhance pedestrian safety on and around the Radford University campus.

Barris, Roann, Art. Institute of Museum and Library Services. \$138,344. *The Interactive Accessible Museum*. A project designed to facilitate the ability of museum professionals to enhance museum accessibility through the creation of innovative and alternative methods of access and interaction with museum exhibitions.

Benjes-Small, Candice, Library. National Endowment for the Arts. \$3,539. *The Big Read*. This proposal is to engage the Radford University Community and Radford City Community to read Fahrenheit 451 as well as participate in several events in hopes of increasing individuals' interest in reading.

Blanks, Allyster, STEL. WestEd. *Collaborative New Visions for Alignment in Elementary, Reading, and Special Education Teacher Preparation*. \$55,000. The Special Education, Elementary Education, and Literacy Education Programs at RU propose a Curriculum Transformation Institute to better prepare all pre-service teachers to work within the Response-to-Intervention framework.

Boyd, Clifford, Forensic Science Institute. City of Radford, Virginia. \$4,883. *City of Radford Driving Range ReDevelopment Plan*. This project is for Phase I archeological survey of the former location of DG's Driving Range along Riverside Road.

Boyd, Clifford, Forensic Science Institute. Co-PI: **Donna Boyd**, Forensic Science Institute. National Institute of Justice. \$375,214. *Validation of Best Practices Methods for Conducting Forensic Searches Involving Covert Human Burials*. The primary goal of this applied research pilot project is to perform validation studies of existing and commonly used methods in forensic searches for covert burials of human remains.

Boyd, Donna, Forensic Science Institute. Co-PI: **Clifford Boyd**, Forensic Science Institute. U.S. National Institute of Justice. \$490,343. *Creation of National Archival Imaging Database For Evaluation of Healing Rates and Estimation of Time Since Injury of Pediatric Antemortem Skeletal Fractures in Child Abuse Investigations*. This is to create an archival database of antemortem pediatric fractures, with a focus on illustrating and delineating healing rates and Time Since Injury.

Burggraf, Virginia, School of Nursing. Co-PI: **Sarah Gilbert**. Sigma Theta Tau International. \$5,000. *Assessing Improvements in Nursing Students Skills Using Dedicated Education Units in Long-Term Care*. The purpose of this study is to assess students' clinical skills and perceptions of older adults on a dedicated education unit in long-term care.

Burggraf, Virginia, School of Nursing. Health Resources and Services Administration. \$583,132. *Comprehensive Geriatric Nursing: Innovation, Outreach, and Research in Rural Southwest Virginia*. The purpose of this program is to provide both education and outreach to older adults and professionals in rural southwest Virginia through the delivery of primary health care and the development of multiple interdisciplinary educational programs.

Burggraf, Virginia, School of Nursing. Health Resources and Services Administration. \$612,283. *Advanced Education Nursing Traineeship HRSA 12-062*. This proposal is to increase the primary health care workforce (FNP) by approximately 32 in the next four years by developing partnerships with the Veterans Administration Nursing Academy and the Helping Veterans Transition to Careers in Nursing.

Burris, Theresa, Appalachian Studies. East Tennessee State University flow through from Appalachian Regional Commission. \$4,000. *Appalachian Teaching Project*. This grant is to offer at least one course in which students will address the question, "How do we build on community assets to shape a positive future for Appalachia?"

Carter, Kimberly, School of Nursing. Carilion Health Systems. \$60,309. *Virginia Foundation for Healthy Youth*. This project is to assess the tobacco curriculum in the School of Nursing, with the intent of developing a tobacco education tool-kit and proposed changes for curriculum to the Board of Nursing.

Carter, Kimberly, School of Nursing. Carilion Health Systems. \$86,520. *BS & MS Degree in Nursing 11-12*. Support for the provision of upper-division and graduate nursing courses, including those at the Roanoke Higher Education Center and in online and other alternative educational formats, as part of the Bachelor of Science Degree in Nursing and Graduate Programs in Nursing, which are offered by the University.

Cline, Mark, Biology. Virginia Academy of Science. \$500. *Neuronal Activity Following Central Administration of Prolactin-Releasing Peptide in Chicks*. The purpose of the proposed research is to elucidate central mechanisms within the hypothalamus and brainstem that may contribute to prolactin-releasing-peptide's orexigenic effect in avian models of anorexia and obesity.

Cline, Mark, Biology. Virginia Academy of Science. \$500. *The Appetite-Related Effects of Gastrin-Releasing Peptide in Chicks Divergently Selected for Low and High Body Weight*. The aim of this study is to elucidate differences in the appetite-related effects of central administration of this anorexigenic peptide between lines of chickens that have undergone selection for low or high juvenile body weight.

Colley, Kenna, STEL. Co-PI: **Ginni Bussey**, TTAC; **Leslie McArthur-Fox**, TTAC. Virginia Department of Education. \$1,112,764. *Training and Technical Assistance Center (TTAC)*. The Virginia Department of Education's state-wide projects with Training and Technical Assistance Centers provide professional development and support designed to assist schools in addressing accountability and improvement goals for students with disabilities.

Colley, Kenna, STEL. Virginia Department of Education. \$56,783. *Traineeships for Education of Special Education Personnel*. The primary goal of this project is to increase the number of educators in Virginia who are endorsed in Special Education.

Davidson, Daniel, Accounting. American Accounting Association. \$5,000. *Nomination for AAA Outstanding Accounting Educator Award*. This project nominated Dr. Bruce Chase for the Outstanding Educator Award for his outstanding performance in teaching, service and professional/intellectual contributions.

Davis, Jason, Biology. Jeffress Memorial Trust. \$17,266. *Mechanisms of Acute Stress-Induced Testosterone Decline*. The goal of the proposed research is to determine the relationship between reproductive steroid hormones and neuromorphological and neuroendocrine features of the hippocampus as they relate to sex-linked variation in cognitive performance in songbirds.

Davis, Jason, Biology. National Science Foundation. \$361,711. *RUI: Mechanisms of Acute Stress-Induced Testosterone Decline*. This series of studies is designed to clarify the relative contributions of glucocorticoids in stress-induced testosterone reduction, and the mechanisms thereof.

Dunleavy, Matt, STEL. U.S. Department of Education. \$2,999,998. *RU i3 Learn Project*. The goal of this i3 Development grant proposal is to address the priorities of the U.S. Department of Education by creating engaging and effective learning environments that leverage emerging mobile and Web 2.0 technologies.

Evans, Deneen, School of Social Work. Co-PI: **Rana Duncan-Daston**, School of Social Work. Health Resources and Services Administration. \$324,912. *Mental and Behavioral Health Education and Training*. This proposal proposes to establish a graduate-level military social work specialization housed in The Institute for the Well Being of Veterans and their Families.

Foy, Andrew, Geography. Keep Virginia Beautiful. \$1,000. *Cigarette Litter Prevention*. This is a student/faculty research project that seeks to analyze the spatial patterns of cigarette litter and to produce promotional material for a campaign geared towards reducing cigarette litter on campus.

Francl, Karen, Biology. University of California, Santa Cruz. \$2,931. *Collection of Geomyces Destructants Spores from Bat Surveyed in Virginia*. Radford University shall provide staff to assist in collecting swab samples from bats captured at fall swarm and winter hibernacula.

Francl, Karen, Biology. Virginia Department of Game and Inland Fisheries (VDGIF). \$18,000. *White Nose Surveillance and Monitoring*. This proposal will (1) assist VDGIF with Virginia bat surveys and (2) fund surveys to assess the status of two bat species currently being considered for "Endangered Species" status through the Endangered Species Act.

Fullmer, Elise, School of Social Work. Virginia Department of Social Services flow through from DHHS. \$189,373. *Community Resource Adoptive Foster Family Training (CRAFFT) 2011-2012*. This proposal is for a Community Resource Adoptive Foster Family Training to help families create and sustain a family/community environment that strengthens family relationships.

Fullmer, Elise, School of Social Work. Virginia Department of Social Services flow through from DHHS. \$189,373. *Community Resource Adoptive Foster Family Training (CRAFFT) 2012-2013*. This proposal is for another year of funding to continue to have a Community Resource Adoptive Foster Family Training to help families create and sustain a family/community environment that strengthens family relationships.

Gorman, C. Allen, Psychology. Society for Human Resource Management. \$115,071. *Linking Performance Management Practices to Firm-Level Performance: A Survey of U.S. Companies*. A survey of PM practices in the United States is proposed to determine the gaps between science and practice and to assess the empirical connections between PM practices and firm performance.

Guruswamy, Rosemary, English. Romance Writers of America. \$5,000. *Academic Research Grant*. Research will involve working on the concept that early American women novelists use the narrative structure of the modern romance novel to explore underlying anxiety in their culture.

Hendrix, Nicole, Criminal Justice. Co-PI: **Lori Elis**, Criminal Justice. National Institute of Justice. \$33,513. *Bringing Data into Line with Reality: The Implications of Changes to the UCR Definition of Rape*. This project examines the definitions of rape used to collect data in three different secondary data sources kept by the National Archive of Criminal Justice Data.

Herd, Corey, Communication Sciences and Disorders. W.K. Kellogg Foundation. \$20,484. *Project Backpack: Reaching Infants, Toddlers, and Preschoolers Experiencing Homelessness in the New River Valley Through Parent Education and Awareness*. Project Backpack is a prevention program for families in southwest Virginia who are experiencing homelessness. Undergraduate and graduate students will be trained to provide information, activities, and resources to parents to target development of early cognitive language, literacy and socio-emotional skill.

Herman, Rhett, Physics. Co-PI: **Mythianne Shelton**, Physics. National Science Foundation. \$124,376. *RUI: Geophysical studies of the Ice/Water Boundary in the Chukchi Sea and Its Potential for Oil Trapping*. This proposal is for funding to investigate the structure of the ice/water boundary and its possible relationship to oil trapping volume, and for investigating the possible relationship between ice-thickness and surface temperature which might allow another method to be used for large-scale surveys of sea ice thickness and to provide educational outreach to students in southwest Virginia.

Herman, Rhett, Physics. Secretary of Education flow through from Virginia General Assembly. \$115,284. *Virginia College/University Partnership Laboratory School Planning Grant*. The mission of the proposed new Laboratory Governor's School Partnership is to create a mutually beneficial partnership with the Southwest Virginia Governor's School of Science, Mathematics and Technology (SWVGS) and RU.

Hoover, Kathryn, STEL. Co-PI: **Kathleen Pierson**, STEL. Virginia Department of Education flow through ED. \$104,223. *ITC NRV 2012-2013-Federal Funds*. The program's purpose is to provide early intervention services to eligible children birth to 2 years of age or their 3rd birthday.

Hoover, Kathryn, STEL. Co-PI: **Kathleen Pierson**, STEL. Virginia Department of Education flow through ED. \$97,848. *ITC NRV 2012-2013 – State Funds*. The program's purpose is to provide early intervention services to eligible children birth to 2 years of age or their 3rd birthday.

Hoover, Kathryn, STEL. Virginia Department of Education flow through ED. \$89,000. *Virginia Consortium for Teacher Preparation in Early Childhood Special Education*. The purpose of this proposal is to address the critical shortage of Virginia licensed teachers who carry endorsement in Early Childhood Special Education.

● **Hrezo, Margaret**, Political Science. Virginia Foundation for the Humanities. \$2,500. *Whither Democracy? The Impact of Citizens United on the Electoral Process*. This proposal would partially fund a Town Hall meeting on the implications of Citizens United v FEC for the 2012 election.

● **Hudgins, Cathy**, Counselor Education. U.S. Department of Health and Human Services. \$7,454,826. *Health Care Innovation Challenge*. The Bi-directional Integrated Care Project (BIC) will place licensed or license-eligible mental health professionals in at least six different health care facilities, locate primary care providers in at least four community mental health center sites, and provide training opportunities for graduate and professional students in at least six different health or mental healthcare fields.

Hyde, Gene, Library. Institute of Museum and Library Services. \$437,382. *IMLS Virginia Archives and Special Collections Fellowship*. The goal of this fellowship is to provide postmaster's degree archives students with the additional experience and "on the job" education to successfully run an archive by themselves.

Jones, Franklin, Chemistry and Physics. Co-PI: **Walter Jaronski**, Physics. SCHEV. \$192,272. *STEM Education in S.W. Virginia*. The purpose of the proposed project is to develop a cohesive approach to STEM education in the participating school systems.

Jones, Jennifer, STEL. Co-PI: **Katherine Hilden**, STEL. SCHEV. \$199,562. *Leading in Reading: Instructional Leadership for Student Achievement*. The goals of this project is to increase knowledge around research-based reading and school leadership and to support schools in implementing new reading initiatives based on their specific needs.

● **Kennan, William**, Academic Affairs. Co-PI: **Joseph Scartelli**, Dean of the College of Visual and Performing Arts. Virginia Department of Education. \$693,693. *2012 (FY 2013) Residential Governor's School Cost Proposal*. To host FY2012 Summer Governor's School.

King-Ingham, Alice, School of Social Work. Co-PI: **Rhonda Seltz**, School of Social Work. Virginia Health Care Foundation. \$22,505. *CHIPRA FAMIS Outreach Expansion Project Supplement*. Proposal to expand FAMIS/Medicaid outreach and enrollment assistance efforts in the City of Roanoke.

King-Ingham, Alice, Social Work. Virginia Department of Criminal Justice Services. **\$2,500**. *CAC Equipment Fund*. This proposal is for the purchase and installation of a new DVR recording system for the Children's Advocacy Center of the New River Valley.

King-Ingham, Alice, School of Social Work. Virginia Department of Social Services. \$1,534. *VDSS Division of Family Services*. This grant will allow maintenance of salary for coordinator and assistant coordinator positions of the CACNRV.

King-Ingham, Alice, School of Social Work. Co-PI: **Rhonda Seltz**, School of Social Work. Virginia Health Care Foundation. \$40,054. *CHIPRA FAMIS Outreach Expansion Project Supplement*. Proposal to expand FAMIS/Medicaid outreach and enrollment assistance efforts in the City of Roanoke.

King-Ingham, Alice, School of Social Work. Co-PI: **Rhonda Seltz**, School of Social Work. Virginia Health Care Foundation. \$20,853. *CHIPRA FAMIS Outreach Expansion Project*. The proposal is to determine the need and structure of a Children's Advocacy Center in the New River Valley.

King-Ingham, Alice, School of Social Work. Virginia Department of Social Services. \$18,413. *VDSS CAC 2011-2012*. The grant will allow for maintenance of salary for coordinator and assistant coordinator positions of the Children's Advocacy Center in the New River Valley.

King-Ingham, Alice, School of Social Work. Virginia Department of Social Services. \$3,410. *VDSS CAC 2011-2012 Amendment*. The proposal proposes to have National Child Advocacy Center training to improve team function.

Kolenbrander, Ronald, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education flow through ED. \$376,771. *Adult Education State Leadership Program 11-12*. The Office of Adult Education and Literacy at Radford will work with the Office of Adult Education and Literacy in the Virginia Department of Education to provide staff development and training to adult education practitioners in Virginia.

Kolenbrander, Ronald, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education. \$7,500. *Expedited GED State Institute Training*. These funds will be utilized to provide training and instruction for Virginia GED Examiners who oversee the administration of the General Educational Development test. This training is essential to insure test validity and consistency.

Kolenbrander, Ronald, STEL. Co-PI: **Jane Swing**. Virginia Department of Education flow through ED. \$30,000. *Adult Education State Leadership Program (Supplement)*. The Office of Adult Education and Literacy at Radford will work with the Office of Adult Education and Literacy in the Virginia Department of Education to provide staff development and training to adult education practitioners in Virginia.

Lanter, Elizabeth, Communication Sciences and Disorders. \$9,995. *Radford University Mentorship Project*. This project will provide continuing education and support to regional school-based, speech-language pathologists who mentor or are interested in mentoring graduate students in the university speech-language pathology program.

Lee, Hwajung, Information Technology. CREU. \$3,000. *Modeling and Solving Optimization Problems on Wireless Electricity Charging Protocol*. The proposed research is to model and solve various optimization problems on the wireless electricity charging protocols in WSNs.

Lewis, Veronica, Student Support Services. U.S. Department of Education (Federal Trio Program). \$1,461,716. *Student Support Services - TRIO*. This project provides eligible participants with tutoring for higher risk courses, academic coaching, and close academic monitoring to ensure these students excel.

Lips, Hilary, Psychology. Co-PI: **Sarah Hastings**, Psychology. Virginia Tech flow through from the Commonwealth Health Research Board. \$72,813. *Discovering the effect of breast reconstruction post-mastectomy on women's mental & emotional health*. The purpose of this proposal is to utilize breast cancer survivor networks, within southwest Virginia, to generate information about what women expect and need from breast reconstructive surgery.

Manizade, Agida, Mathematics and Statistics. Co-PI: **Laura Jacobsen**, STEL. Virginia Department of Education. \$246,953. *Secondary Mathematics Professional Development Center*. This project supports high school teachers to improve their mathematics content, pedagogy, and assessment related to teaching Algebra I, Algebra II, AFDA, Geometry, and the Mathematics Capstone Course.

Metz, Kurt, STEL. Co-PI: **Ellen Austin**, STEL. U.S. Department of Education. \$1,228,714. *Project Slide: Scholarly Learning in Deaf Education*. This proposal aims to prepare high quality scholars from underrepresented groups in hearing impairment to become highly qualified educators and sign language interpreters in hopes to address the critical shortage of personnel in this field.

Minner, Sam, Office of Provost. Japan Foundation Center for Global Partnership. \$5,000. *Japanese Cultural Awareness in Appalachia Week*. This project is to introduce our community to the rich culture of Japan by offering a variety of films, lectures, demonstrations and K-12 activities.

Moore, Sandra, STEL. Co-PI: **Ellen Austin**, STEL. Virginia Department of Education flow through ED. \$200,000. *Teacher Preparation and Professional Development Project – Hearing Impairment PreK-12*. To provide education and professional development to full-time undergraduate and graduate students as well as practicing teachers, speech pathologists, and other services providers.

Onega, Lisa, School of Nursing. Virginia Center on Aging flow through from VCU. \$39,998. *Bright Light Therapy for Individuals with Dementia*. This proposal will research whether bright light therapy over the course of eight weeks decreases depression and agitation in dementia patients.

Phelps-Durr, Tara, Biology. National Science Foundation. \$105,625. *RUI: Understanding the Role of Histone Repressor A during Arabidopsis*. This project is to characterize the chromatin remodeling protein HIRA in Arabidopsis.

Pierce, Thomas, Psychology. Medical Facilities of America, Inc. \$11,811. *Reminiscence and Oral History Activity for Medical Facilities of America*. This project will design and implement a pilot reminiscence and oral history program for patients residing at one or more health and rehabilitation facilities within the organization.

Pierson, Kathleen, STEL. Co-PI: **Kathryn Hoover**, STEL. Virginia Department of Behavioral Health and Developmental Services. \$105,220. *Infant & Toddler Connection of the NRV 2011-2012 State Funds*. The program's purpose is to provide early intervention services to eligible children birth to 2 years of age or their third birthday.

Pierson, Kathleen, STEL. Co-PI: **Kathryn Hoover**, STEL. Virginia Department of Behavioral Health and Developmental Services. \$33,200. *Infant & Toddler Connection of the NRV 2011-2012 (ARRA)*. The ARRA program's purpose is to provide early intervention services to eligible children birth to 2 years of age or their third birthday.

Pierson, Kathleen, STEL. Co-PI: **Kathryn Hoover**, STEL. Virginia Department of Behavioral Health and Developmental Services. \$102,862. *Infant & Toddler Connection of the NRV 2011-2012 Federal Funds*. The Federal program's purpose is to provide early intervention services to eligible children birth 2 years of age or their third birthday.

Pittges, Jeff, Information Technology. IBM. \$32,295. *DIG: Database Instructional Games*. DIG is an online learning environment that motivates students to learn the concepts and principles of database systems, data warehousing, data mining, data analysis, and reporting while acquiring skills through hands-on learning activities.

Rogers, Orion, Office of the Dean of the College of Science and Technology. Co-PI: **Ann Brown**, Office of the Dean of the College of Science and Technology. Invent Now Kids. \$625. *Camp Invention 2012*. The College of Science and Technology is hosting a week-long STEM summer camp for rising first through rising six graders on campus.

Roth, Richard, Geography. Co-PI: **Holly Cline**, Interior Design. Anonymous Donor. \$5,150. *Introduction to Sustainable Residential Design*. The purpose of the proposed work is to provide interested faculty and students with the opportunity to experience, in person, a variety of designs for sustainable residential buildings.

Shaffer, Scott, Police Department. Virginia Department of Criminal Justice. \$25,397. *DCJS One Time Equipment Grant 2011*. This grant is to partially fund the addition of a Polaris Ranger ATV and a zero emission, clean energy T3 Motion Police Electric Standup Vehicle to its current department fleet in order to enhance the department's campus visibility and presence.

Shaffer, Scott, Police. Virginia Department of Alcoholic Beverage Control. \$9,000. *Underage and High Risk Drinking: What RU Thinking?* This educational and enforcement based campaign is aimed at reducing high risk and underage drinking by students of Radford University by utilizing members of Radford's Greek community and recognizing them as influential leaders.

Shaffer, Scott, Police. Virginia Department of Motor Vehicle. \$8,460. *Speed*. The purpose of this grant is to provide approximately 300 hours of overtime for selective enforcement patrol activity.

Shanks, David, Business Assistance Center. George Mason University flow through from U.S. Small Business Administration. \$442,934. *2012 Small Business Development Center*. Grant funds are used to manage the Small Business Development Center programs in Southwest Virginia.

Sheehy, Robert, Biology. Virginia Tech flow through from NSF. \$11,443. *Assessment of Population Structure and Gene Flow in Echinostoma Trivolvis*. This proposal addresses how community composition can influence trematode dynamics in freshwater systems.

Shoemaker, Patricia, Office of Dean of the College of Education and Human Development. Co-PI: **Patricia Golding**, College of Education and Human Development. Advance Education, Inc. \$54,831. *Advance Education, Inc.: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement*. This proposal is for RU to house and act as fiscal agent for the Advance Education, Inc.: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement.

Swing, Jane, STEL. Co-PI: **Roland Kolenbrander**, STEL. Virginia Department of Correctional Education. \$12,000. *VAILL Positions for DCE Employees (DCE)*. Funds are to support 30 additional slots for DCE personnel to fully participate in the Virginia Institute for Lifelong Learning at Radford University campus.

Tyler, Brenda, STEL. Virginia Department of Education. \$134,708. *Traineeships for Education of Special Education Personnel (SPED END PRO 2011-2012)*. Radford University (RU) proposes to support special educators in Virginia working under provisional or conditional licensure who are teaching children with disabilities who access the general education curriculum.

Van Patten, Issac, Criminal Justice. Co-PI: **Nicole Hendrix**, Criminal Justice and **Andrew Foy**, Geography. \$430,752. U.S. Department of Justice. *Micro-Spatial Intersections of Time, Crime Policy & Community*. The proposal is to develop prospective hot spot models by using risk surfaces derived from social disorganization theory.

Webster, Francis, Chemistry. Environmental Protection Agency. \$14,630. *Lessons from Nature: Synthetic Humic Acid Materials for Improved Water Purification*. This project will focus on the development of an inexpensive, multi-functional adsorbent material that will improve existing sand filtration technology to better remove a wide range of water contaminants, including arsenic, other heavy metals, and organic contaminants.

Webster-Garrett, Erin, QEP. Bringing Theory to Practice flow through from Association of American Colleges and Universities. \$10,000. *Bringing Theory to Practice, Category II Grant Proposal: "How Much is Enough? Measuring the Impact of Engaged Pedagogies at Radford University*. The Office of the Quality Enhancement Plan (QEP) proposes to plan and implement a longitudinal, comparative study measuring the effects of QEP-specific engaged learning interventions on Radford University's first and second year students.

Winter, Patricia. Music. MAR of the American Music Therapy Association. \$1,999. *Effects of Experiential Music Therapy Education on Student's Reported Empathy and Self-Esteem: A Mixed Methods Study*. The purpose of this study will be to understand the potential effect of experiential music therapy education approaches on undergraduate music therapy students' empathy and state self-esteem.

Wojdak, Jeremy, Biology. Virginia Tech flow through NSF. \$7,500. Collaborative *Research: Community Composition and Disease Outcomes in a Multihost-Parasite System*. For undergraduate research interns to experimentally explore how community composition regulates infection dynamics in a complex host-parasite system composed of two snail species, a larval amphibian species and the trematode parasite, *Echinostoma trivolvis*

GRANTS AWARDED

Altieri, Elizabeth, STEL. Co-PI: **Kenna Colley**, STEL and **Leslie Daniel**, STEL. U.S. Department of Education. **\$83,774**. *Project MERGE: Merging Expertise for Results in the General Education Curriculum (2011-2012)*. This grant enables the High Incidence Disability Program within the School of Teacher Education and Leadership to improve the quality of their K-12 teacher preparation program by restructuring and redesigning their curriculum to ensure that graduates meet the HQT requirements in the NCLB and the IDEA Improvement Act.

Altieri, Elizabeth, STEL. Co-PI: **Kenna Colley**, STEL and **Leslie Daniel**, STEL. U.S. Department of Education. **\$98,647**. *Project MERGE: Merging Expertise for Results in the General Education Curriculum (2012-2013)*. This grant continues the funding which enables the High Incidence Disability Program within the School of Teacher Education and Leadership to improve the quality of their K-12 teacher preparation program by restructuring and redesigning their curriculum to ensure that graduates meet the HQT requirements in the NCLB and the IDEA Improvement Act.

Altieri, Elizabeth, STEL. George Mason University flow through from VDOE and ED. **\$62,500**. *Severe Disabilities Grant 2011-2012*. Funding to teach one to two courses as part of the Virginia Department of Education Statewide Training Consortium.

Altieri, Elizabeth, STEL. George Mason University flow through from VDOE and ED. **\$29,000**. *Visual Impairment Grant 2011-2012*. Grant funds are to pay for partial tuition support for students, and to teach a course as part of the Virginia Department of Education Statewide Training Consortium.

Anderson, Justin, Biology. Commonwealth Health Research Board. **\$63,552**. *Characterization of La Cross Virus Receptors in Mosquito Tissues*. This project will identify specific proteins in mosquito tissues that serve as the receptor(s) for La Crosse virus, an important cause of pediatric encephalitis.

Anderson, Justin, Biology. Jeffress Memorial Trust. **\$30,000**. *Preventing Arbovirus Infection with Pokeweed Antiviral Protein (Resubmission)*. Funding is for testing pokeweed antiviral protein (PAP) for its ability to interfere with infection of mosquitoes in three ways: (1) determine PAP antiviral activity against La Crosse and dengue viruses, (2) assess PAP mosquito larvicidal activity, and (3) express PAP in insect cells and determine whether they are refractory to virus infection.

Baker, Michael, Police. Virginia Department of Motor Vehicles flow through from DOT. **\$10,000**. *Pedestrian Safety/Bicycle 2011-2012*. This grant is to provide approximately 400 hours of overtime enforcement to enhance pedestrian safety on and around the Radford University campus.

Blanks, Allyster, STEL. WestEd. *Collaborative New Visions for Alignment in Elementary, Reading, and Special Education Teacher Preparation*. **\$55,000**. Support for Curriculum Transformation Institute to better prepare all pre-service teachers to work within the Response-to-Intervention framework.

Boyd, Clifford, Forensic Science Institute. City of Radford, Virginia. **\$4,883**. *City of Radford Driving Range ReDevelopment Plan*. Grant funding is for Phase I archeological survey of the former location of DG's Driving Range along Riverside Road.

Boyd, Clifford, Forensic Science Institute. Co-PI: Robert Whisonant. National Park Service flow through from DOI. **\$66,903**. *Using Digital Technologies to Interpret Saltville, Virginia, Civil War Battlefields*. In a joint project with the Saltville Foundation, digital technologies will be used to create (1) an interactive "virtual tour" of the Saltville Battlefields at the Museum and (2) a web-based version of the tour.

Burgraff, Virginia, School of Nursing. Health Resources and Services Administration. **\$140,109**. *Comprehensive Geriatric Nursing: Continuation, Innovation and Outreach*. This grant is to impact the care and treatment of older adults through geriatric education, training, and partnerships.

Burris, Theresa, Appalachian Studies. East Tennessee State University flow through from Appalachian Regional Commission. **\$4,000**. *Appalachian Teaching Project*. This grant will fund at least one course in which students will address the question, "How do we build on community assets to shape a positive future for Appalachia?"

Carter, Kimberly, School of Nursing. Carilion Health Systems. **\$86,520**. *BS & MS Degree in Nursing 11-12*. Support for the provision of upper-division and graduate nursing courses, including those at the Roanoke Higher Education Center and in online and other alternative educational formats, as part of the Bachelor of Science Degree in Nursing and Graduate Programs in Nursing.

Cline, Mark, Biology. Virginia Academy of Science. **\$500**. *The Appetite-Related Effects Of Gastrin-Releasing Peptide In Chicks Divergently Selected For Low And High Body Weight*. This research is to elucidate differences in the appetite-related effects of central administration of this anorexigenic peptide between lines of chickens that have undergone selection for low or high juvenile body weight.

Colley, Kenna, STEL. Co-PI: **Ginni Bussey**, TTAC; **Leslie McArthur-Fox**, TTAC. Virginia Department of Education flow through from ED. **\$1,112,764**. *Training and Technical Assistance Center (TTAC)*. This grant provides funding for the Training and Technical Assistance Center which provides professional development and support design to assist schools in addressing accountability and improvement goals for students with disabilities.

Foy, Andrew, Geography. Keep Virginia Beautiful. **\$1,000**. *Cigarette Litter Prevention*. This is a student/faculty research project that seeks to analyze the spatial patterns of cigarette litter and to produce promotional material for a campaign geared towards reducing cigarette litter on campus.

Francl, Karen, Biology. University of California, Santa Cruz. **\$2,931**. *Collection Of Geomyces Destructants Spores From Bat Surveyed In Virginia*. Radford University shall provide staff to assist in collecting swab samples from bats captured at fall swarm and winter hibernacula.

Francl, Karen, Biology. Virginia Department of Game and Inland Fisheries. **\$18,000**. *White Nose Surveillance and Monitoring*. This grant will (1) assist VDGIF with Virginia bat surveys and (2) fund surveys to assess the status of two bat species currently being considered for "Endangered Species" status through the Endangered Species Act.

Fullmer, Elise, Social Work. Virginia Department of Social Services flow through from DHHS. **\$189,373**. *Community Resource Adoptive Foster Family Training (CRAFFT) 2011-2012*. This grant is for a Community Resource Adoptive Foster Family Training to help families create and sustain a family/community environment that strengthens family relationships.

Fullmer, Elise, Social Work. Virginia Department of Social Services flow through from DHHS. **\$189,373**. *Community Resource Adoptive Foster Family Training (CRAFFT) 2012-2013*. This grant represents another year of funding to continue to have a Community Resource Adoptive Foster Family Training to help families create and sustain a family/community environment that strengthens family relationships.

Grady, Dennis, Dean of the College of Graduate and Professional Studies. Virginia Tech flow through from NSF. **\$7,000**. *Collaborative: The Virginia Alliance for Graduate Education and the Professoriate*. This funding will allow RU and its partners to plan effective strategies and systematic approaches to attract, retain and graduate bright minority students choosing a career as a faculty member.

Hoover, Kathryn, STEL. Co-PI: **Kathleen Pierson**, STEL. Virginia Department of Health and Human Services flow through ED. **\$104,223**. *ITC NRV 2012-2013-Federal Funds*. Federal funding will provide early intervention services to eligible children birth to 2 years of age or their third birthday.

Hoover, Kathryn, STEL. Co-PI: **Kathleen Pierson**, STEL. Virginia Department of Behavioral Health and Development Services flow through ED. **\$97,848**. *ITC NRV 2012-2013 – State Funds*. State funds will provide early intervention services to eligible children birth to 2 years of age or their third birthday.

Hoover, Kathryn, STEL. Virginia Department of Education flow through ED. **\$80,000**. *Virginia Consortium for Teacher Preparation in Early Childhood Special Education*. This grant is to address the critical shortage of Virginia licensed teachers who carry endorsement in Early Childhood Special Education.

Ioffe, Grigory, Geography. University of Oklahoma flow through from NASA. **\$23,903**. *Land Abandonment in Russia: Understanding Recent Trends and Assessing Future Vulnerability and Adaptation to Changing Climate and Population Dynamics*. Grant funding to investigate potential sustainable productivity of remaining croplands under climatic and demographic changes in Russia.

Jones, Franklin, Physical Science. Co-PI: **Laura Jacobsen**, STEL, **Walter Jaronski**, Physics. SCHEV flow through from ED. **\$138,243**. *Supporting Mathematics, Science and Literacy in Southside Virginia*. This project is to improve elementary and middle school students' science and mathematics literacy and SOL achievement by improving teachers' elementary and middle science and mathematics instructions, including teachers' understanding how to teach literacy across the disciplines.

Jones, Jennifer, STEL. Co-PI: **Katherine Hilden**, STEL. SCHEV. **\$199,562**. *Leading in Reading: Instructional Leadership for Student Achievement*. This grant is to increase knowledge around research-based reading and school leadership and to support schools in implementing new reading initiatives based on their specific needs.

Kennan, William, Academic Affairs. Co-PI: **Joseph Scartelli**, Dean of the College of Visual and Performing Arts. Virginia Department of Education. **\$693,693**. *2012 (FY 2013) Residential Governor's School Cost Proposal*. Funding to host FY2012 Summer Governor's School.

King-Ingham, Alice, Social Work. Co-PI: **Rhonda Seltz**, Social Work. Virginia Health Care Foundation. **\$40,054**. *CHIPRA FAMIS Outreach Expansion Project Supplement*. The grant is to expand FAMIS/ Medicaid outreach and enrollment assistance efforts in the City of Roanoke.

King-Ingham, Alice, Social Work. Co-PI: **Rhonda Seltz**, Social Work. Virginia Health Care Foundation. **\$22,505**. *CHIPRA FAMIS Outreach Expansion Project Supplement*. This proposal is to expand FAMIS/ Medicaid outreach and enrollment assistance efforts in the City of Roanoke.

King-Ingham, Alice, Social Work. Virginia Department of Social Services. **\$18,413**. *Child Advocacy Center of the NRV 2011-2012*. The grant will allow for maintenance of salary for coordinator and assistant coordinator positions of the Children's Advocacy Center in the New River Valley.

King-Ingham, Alice, Social Work. Virginia Department of Social Services. **\$3,410**. *VDSS CAC 2011-2012 Amendment*. This grant is to have a National Child Advocacy Center training to improve team function.

King-Ingham, Alice, Social Work. Virginia Department of Criminal Justice Services. **\$2,500**. *CAC Equipment Fund*. This grant is for the purchase and installation of a new DVR recording system for the Children's Advocacy Center of the New River Valley.

Kolenbrander, Ronald, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education flow through ED. **\$368,307**. *Adult Education State Leadership Program 11-12*. The Office of Adult Education and Literacy at Radford will work with the Office of Adult Education and Literacy in the Virginia Department of Education to provide staff development and training to adult education practitioners in Virginia.

Kolenbrander, Ronald, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education. **\$7,500**. *Expended GED State Institute Training*. These funds will be utilized to provide training and instruction for Virginia GED Examiners who oversee the administration of the General Educational Development test. This training is essential to insure test validity and consistency.

Kolenbrander, Ronald, STEL. Co-PI: **Jane Swing**. Virginia Department of Education flow through ED. **\$30,000**. *Adult Education State Leadership Program (Supplement)*. This supplement will allow the Office of Adult Education and Literacy at Radford to work with the Office of Adult Education and Literacy in the Virginia Department of Education to provide staff development and training to adult education practitioners in Virginia.

Lanter, Elizabeth, Communication Sciences and Disorders. Virginia Department of Education. **\$9,995**. *Radford University Mentorship Project*. This project will provide continuing education and support to regional school-based, speech-language pathologists who mentor or are interested in mentoring graduate students in the university speech-language pathology program.

Lewis, Veronica, Student Support Services. U.S. Department of Education (Federal Trio Program). **\$292,343**. *Student Support Services - TRIO*. This project provides eligible participants with tutoring for higher risk courses, academic coaching, and close academic monitoring to ensure these students excel.

Lyman, Elizabeth, Sociology. Co-PI: **Carla Corroto**, Sociology. American Sociological Association. **\$2,000**. *Faculty and the Application of Service-Learning*. This research will determine which faculty are implementing service-learning at colleges and universities and their level of job satisfaction.

Manizade, Agida, Mathematics and Statistics. Co-PI: **Laura Jacobsen**, STEL. Virginia Department of Education. **\$246,953**. *Secondary Mathematics Professional Development Center*. This project supports high school teachers to improve their mathematics content, pedagogy, and assessment related to teaching Algebra I, Algebra II, AFDA, Geometry, and the Mathematics Capstone Course.

Mesmer, Eric, Psychology. Co-PI: **Jennifer Jones**, STEL. SCHEV. **\$18,517**. *Leading in Reading: Capacity Building for Literacy Achievement*. This grant's focus is on providing professional development and follow-up support to instructional leaders within Region 7 in the State of Virginia.

Minner, Sam, Office of Provost. Japan Foundation Center for Global Partnership. **\$5,000**. *Japanese Cultural Awareness in Appalachia Week*. Grant funding to introduce our community to the rich culture of Japan by offering a variety of films, lectures, demonstrations and K-12 activities.

Moore, Sandra, STEL. Co-PI: **Ellen Austin**, STEL. Virginia Department of Education flow through ED. **\$200,000**. *Teacher Preparation and Professional Development Project – Hearing Impairment PreK-12*. Grant funding to provide education and professional development to full-time undergraduate and graduate students as well as practicing teachers, speech pathologists, and other services providers.

Pierce, Thomas, Psychology. Medical Facilities of America, Inc. **\$11,811**. *Reminiscence and Oral History Activity for Medical Facilities of America*. This project will design and implement a pilot reminiscence and oral history program for patients residing at one or more health and rehabilitation facilities within the organization.

Pierson, Kathleen, STEL. Co-PI: **Kathryn Hoover**, STEL. Virginia Department of Behavioral Health and Developmental Services. **\$105,220**. *Infant & Toddler Connection of the NRV 2011-2012 State Funds*. State funding is to provide early intervention services to eligible children birth to 2 years or 3rd birthday.

Pierson, Kathleen, STEL. Co-PI: **Kathryn Hoover**, STEL. Virginia Department of Behavioral Health and Developmental Services flow through from ED. **\$33,200**. *Infant & Toddler Connection of the NRV 2011-2012 (ARRA)*. ARRA funding is to provide early intervention services to eligible children birth to 2 years or 3rd birthday.

Pierson, Kathleen, STEL. Co-PI: **Kathryn Hoover**, STEL. Virginia Department of Behavioral Health and Developmental Services flow through from ED. **\$102,862**. *Infant & Toddler Connection of the NRV 2011-2012 Federal Funds*. Federal funding is to provide early intervention services to eligible children birth to 2 years or 3rd birthday.

Rogers, Orion, Office of the Dean of the College of Science and Technology. Co-PI: **Ann Brown**, Office of the Dean of the College of Science and Technology. Invent Now Kids. **\$625**. *Camp Invention 2012*. The College of Science and Technology is hosting a week long STEM summer camp for rising first through rising six graders on campus.

Roth, Richard, Geography. Co-PI: **Holly Cline**, Interior Design. Anonymous Donor. **\$5,150**. *Introduction to Sustainable Residential Design*. Funding is to provide interested faculty and students with the opportunity to experience, in person, a variety of designs for sustainable residential buildings.

Shaffer, Scott, Police. Virginia Department of Alcoholic Beverage Control flow through from the DOJ. **\$7,000**. *Underage and High Risk Drinking: What RU Thinking? 2011-2012*. Funding for an educational and enforcement based campaign aimed at reducing high risk and underage drinking by students of Radford University.

Shanks, David, Business Assistance Center. George Mason University flow through from SBDC and SBA. **\$442,934**. *2012 Small Business Development Center*. Grant funds are used to manage the 2012 Small Business Development Center programs in Southwest Virginia.

Shanks, David, Business Assistance Center. George Mason University flow through from SBDC and SBA. **\$307,782**. *2011 Small Business Development Center*. Grant funds are used to manage the 2011 Small Business Development Center programs in Southwest Virginia.

Shoemaker, Patricia, Office of Dean of the College of Education and Human Development. Co-PI: **Patricia Golding**, College of Education and Human Development. Advance Education, Inc. **\$54,831**. *Advance Education, Inc.: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement*. Funding for RU to house and act as fiscal agent for the Advance Education, Inc.: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement.

Swing, Jane, STEL. Co-PI: **Roland Kolenbrander**, STEL. Virginia Department of Correctional Education. **\$12,000**. *VAILL positions for DCE Employees*. This grant will fund 30 additional slots for DCE personnel to fully participate in the Virginia Institute for Lifelong Learning at Radford University campus.

Whiting, Mark, Psychology. National Institutes of Health. **\$405,272**. *Cerium Oxide Nanoparticles for the Treatment of Traumatic Brain Injury*. This project is designed to investigate the use of cerium oxide nanoparticles for reducing free radical-mediated damage and improving functional outcome following traumatic brain injury.

Winter, Patricia. Music. MAR of the American Music Therapy Association. **\$1,999**. *Effects of Experiential Music Therapy Education on Student's Reported Empathy and Self-Esteem: A Mixed Methods Study*. This study will be to understand the potential effect of experiential music therapy education approaches on undergraduate music therapy students' empathy and state self-esteem.

Wojdak, Jeremy, Biology. Virginia Tech flow through NSF. **\$7,500**. *Collaborative Research: Community Composition and Disease Outcomes in a Multihost-Parasite System*. Funding for undergraduate research interns to experimentally explore how community composition regulates infection dynamics in a complex host-parasite system composed of two snail species, a larval amphibian species and the trematode parasite, *Echinostoma trivolvis*.



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