



RADFORD UNIVERSITY

Sponsored Programs and Grants Management

FY 2015 Annual Report

SPGM PERSONNEL

Tom Cruise

Director

540.831.5035

tcruise@radford.edu

Martha Hall

Administrative Assistant

540.831.5035

mhall5@radford.edu

Shirl Nolen

Pre-Award Administrator

540.831.5910

sanolen@radford.edu

Ginger Williams

Proposal Development Manager

540.831.5912

gwilliams11@radford.edu

Cindy Gwinn

Assistant Director — Post-Award

540.831.5412

crgwinn@radford.edu

Tiffany Buck

Senior Grants Specialist

540.831.6589

tjbuck@radford.edu

Alicia Wyrick

Grants Specialist

540.831.7762

awyrick5@radford.edu

Tammie Duncan

Grants Specialist

540.831.7763

tduncan@radford.edu

CONTENTS

Our Services _____	4
Letter from Director _____	5
Mission _____	6
Highlights of RU Research _____	8
Total Awards By Year _____	16
Total Submissions By Year _____	17
Awards by Funding Source _____	18
Awards by Source _____	19
FY2015 Submission and Awards by Academic Unit _____	20
Submissions and Awards by First Time Faculty _____	21
Outreach _____	24
Internal Funding/Awardees _____	26
Faculty Research Fellows _____	28
Proposal Submissions _____	32
Grants Awarded _____	41

OUR SERVICES

Take Advantage of the different services our office can provide during the grant process....

- Assistance in Finding Grant Opportunities
- Setting up and training for COS Pivot
- Review Agency Guidelines
- Budget Preparation for Grants
- Proofreading Grant Proposals for grammar and format
- Facilitate Multi-disciplinary teams
- Preparing application packages
- Help in obtaining internal approvals
- Submitting application to Sponsors
- Various Training Sessions & Workshops
- Negotiating Awards
- Establishing funding on the Institution's general ledger system.
- Post Award Management and accounting support.
- Assistance with Grant Compliance.

LETTER FROM DIRECTOR

Dear Colleagues,

I would like to present to you the Office of Sponsored Programs and Grants Management's Annual Report for the Fiscal Year 2015. As a result of the hard work and dedication by our faculty, I am happy to report that our sponsored awards have increased again over the last fiscal year totaling more than \$5.9 million. In addition, our office has seen a significant increase of 14% in the total number of proposals submitted to external sponsors since the last fiscal year. These accomplishments truly emphasize our faculty members' motivation in pursuing grants which further supports their scholarship and their commitment to strengthening student driven activities benefiting both instruction and research.

It cannot be said enough that in times of reduced budgets at both the federal and state levels for discretionary grant spending, including highly competitive single digit success rates on funded applications, that these increases should be recognized as an accomplishment for the university, faculty scholars and our students. We wish to recognize the accomplishments made this past fiscal year by outlining these activities in our comprehensive report. So again, congratulations to all our awardees as well as those who have worked extremely hard submitting proposals under tight deadlines and other university commitments. I hope you enjoy looking at our report. Please feel free to contact me should you have any questions about the information presented in this report.

Respectfully Submitted,

Thomas W. Cruise, CRA
Director of Sponsored Programs and Grants Management
540-831-5035

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.



HIGHLIGHTS OF RU RESEARCH



Dr. Dove works with his math students using the Flipped Classroom approach.

Dr. Anthony Dove, Dr. Caleb Adams and Ms. Emily Dove are examining if the flipped classroom approach to introductory STEM courses will have a positive influence on retention, graduation and achievement rates. Through this study, the researchers are using pre and post course assessments to determine if there is a difference in student achievement and attitudes between flipped classrooms and traditional classrooms. Also, they will be measuring the faculty perceptions of teaching and learning STEM courses using a flipped classroom approach.

Dr. Joyce Caughron and Dr. Jason Davis are collecting and studying soil and water samples from various sites in far Western Amazonian watershed of Peru. They will utilize these samples to study naturally occurring variations in microbial communities, as well as to explore correlations between anthropogenic modifications of the environment (deforestation, pollution, mining) and microbial diversity.



Dr. Caughron performing research in the Amazon.



Dr. Chris Monceaux with his research team.

Dr. Chris Monceaux and his research team will be pursuing the synthesis of GAT inhibitor building blocks comprised of a sulfonimidamide for the use as antiepileptic compounds. The sulfonimidamide has been proposed as a carboxylic acid bioisostere. A bioisostere is a chemical group, which can replace another chemical group on the endogenous ligand with hopes of improving the biological activity of a drug. The primary goal of his research is to find potent and selective inhibitors for non-GATI subtypes *in vitro*, which could lead to a new class of CNS drugs for disorders such as anxiety and depression, neuropathic pain, cognitive impairment and Alzheimer's disease.



Dr. Chelsa Prather and two students conduct research in coastal tallgrass prairie in Texas.



Through a NSF grant, Dr. Chelsa Prather and her students are working on a project which will support a large, multi-factorial field experiment to rigorously test the importance of micronutrients in mediating herbivore abundance and diversity, and to determine if the importance of micronutrients depends on macronutrients and varies among herbivore feeding modes and guilds. By conducting this research, they hope to provide information which will potentially allow improved management of prairies to better support arthropods.

This project has also incorporated outreach activities to both local community groups and elementary grade level teachers who teach science by providing lectures on prairie science, giving guided tours of the site focused on prairie ecology and creating a publicly available web guide for local prairie insects.



Mr. Christopher Miller and his research team working to preserve and digitize Burmese recorded music.

With a grant from the British Library, Mr. Chris Miller and his research team are working on a large-scale preservation project to digitize recorded music in Burma. Many of these recordings are housed in unprofessional conditions and are tragically vulnerable to damage and/or decay in the long term. This research team's goal is to safeguard the earliest but endangered recorded musical traditions of Burma, and to offer an open access avenue through which Burma and the global community may access those musical traditions. The materials, 78rpm records, date from those first produced by local Burmese recording companies in the early 1920s to the end of the 1950s. These records capture performances of centuries-old court, classical, dramatic, vocal, and folk music.





Screening soil to recover artifacts

The Settler's Museum Foundation decided to do some ground-disturbing renovations on the Settler's Museum of Southwest Virginia near Atkins, Virginia in Smith County. During the fall of 2014, Dr. Cliff Boyd received a contract from the Settlers Museum Foundation to conduct a federally mandated archaeological survey of the areas which will be impacted by the renovations.

One area which will be excavated is a proposed French drain installation. In this area, Dr. Boyd's team has already found prehistoric Native American artifacts.



Excavation in the location of proposed French drain installation where several prehistoric Native American artifacts were found.



Dr. J.P. Barfield and his research partner, Dr. Laura Newsome, are measuring energy expenditure during wheelchair soccer participation among persons with cerebral palsy, muscular dystrophy and spinal cord injury. Persons with severe physical disabilities are at risk for a variety of health morbidities, typically second conditions such as heart disease, bone and joint injury, hypertension and obesity.

This study will take six players from three different power soccer teams who will wear a portable metabolic unit for five minutes of rest and 20 minutes of training. The metabolic unit is attached to each player's chair and air breathed through a facemask is analyzed by the unit and sent to a laptop via telemetry. This design allows the analysis of energy expenditure in real time without interfering with regularly scheduled power soccer activity. Through this study, the researchers hope to have a significant impact on obtaining data that could show that power soccer can cause an exercise stress similar to manual wheelchair sport, and therefore, provide persons with limited physical abilities to obtain health-related benefits.

Sponsored



Activities



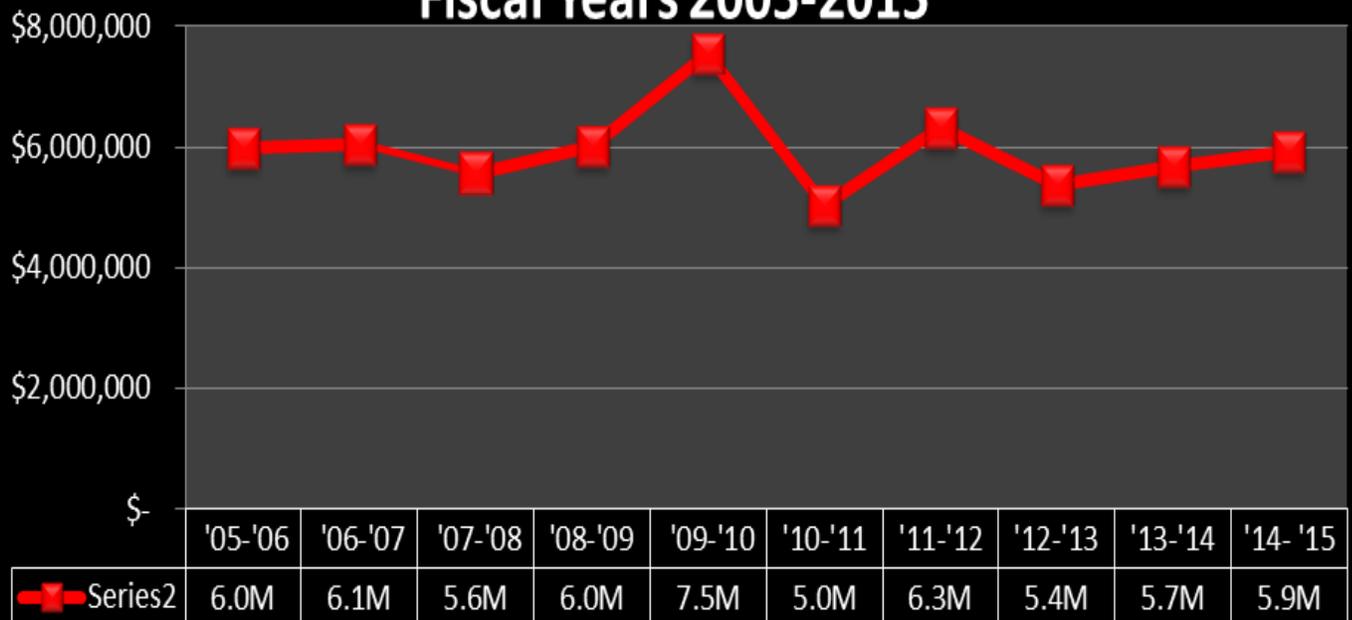
TOTAL AWARDS BY YEAR

Awards Received for FY 2015

The faculty, staff, and students of Radford University have again brought in \$5 million or more in grants, contracts, and cooperative agreements for the fourteenth consecutive year. During Fiscal Year 15, fifty-two (52) awards were received for a total of \$5,517,479 in external funding.

Our success may be seen in the following graph.

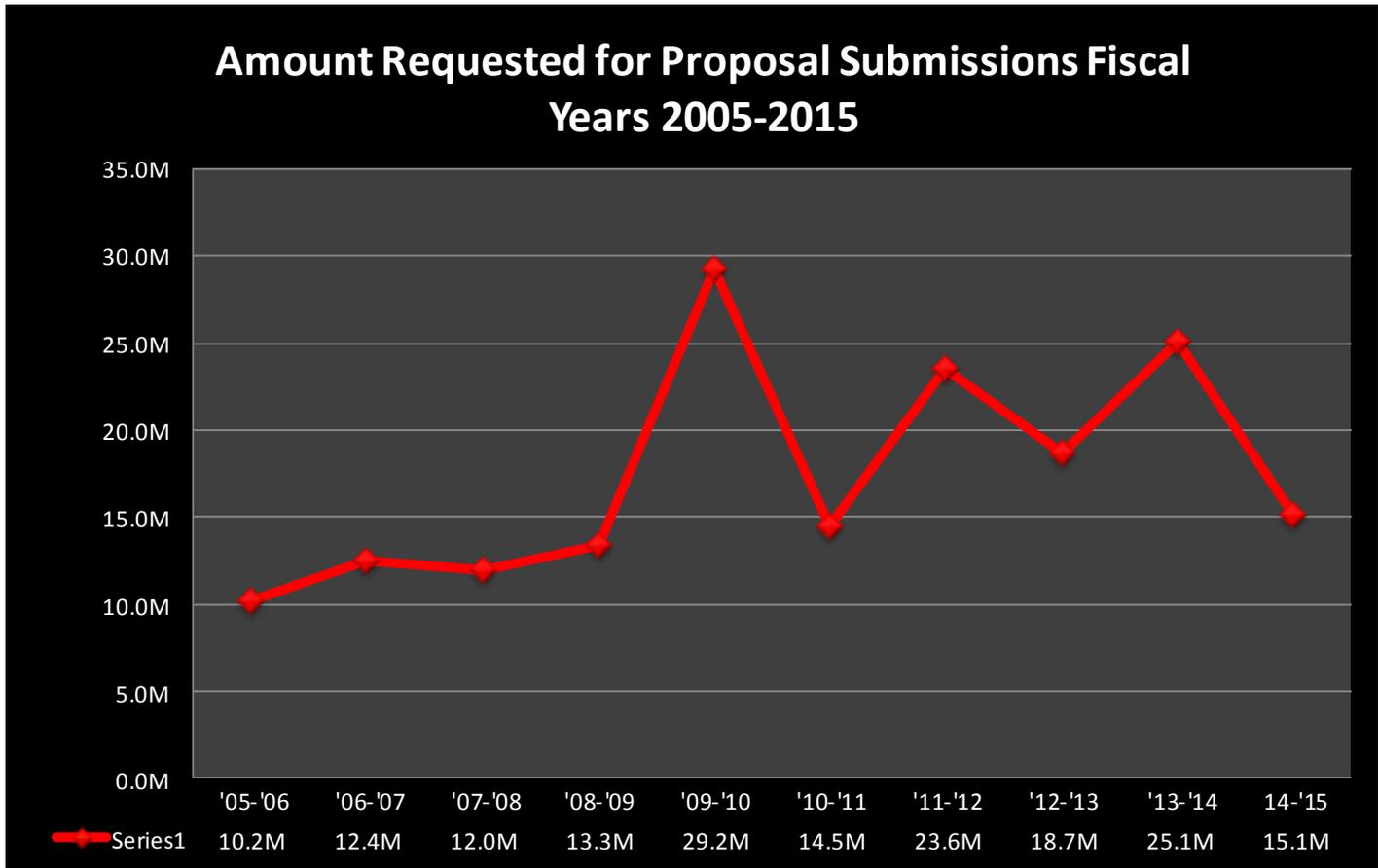
Amount Awarded in Sponsored Agreements Fiscal Years 2005-2015



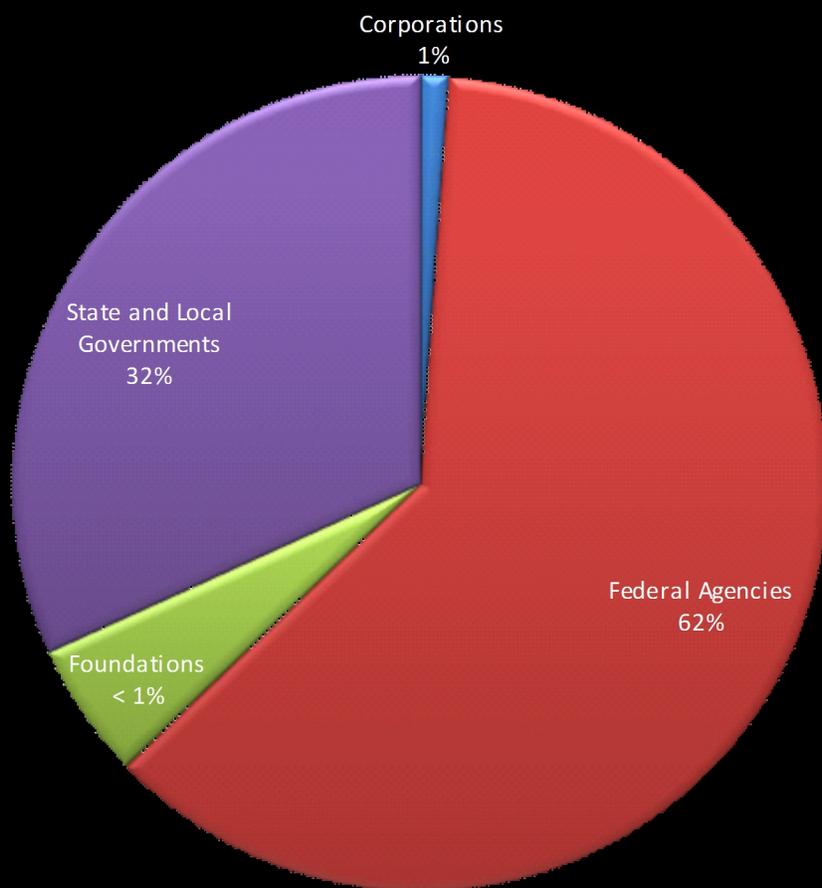
TOTAL SUBMISSIONS BY YEAR

Proposal Submissions for FY 2015

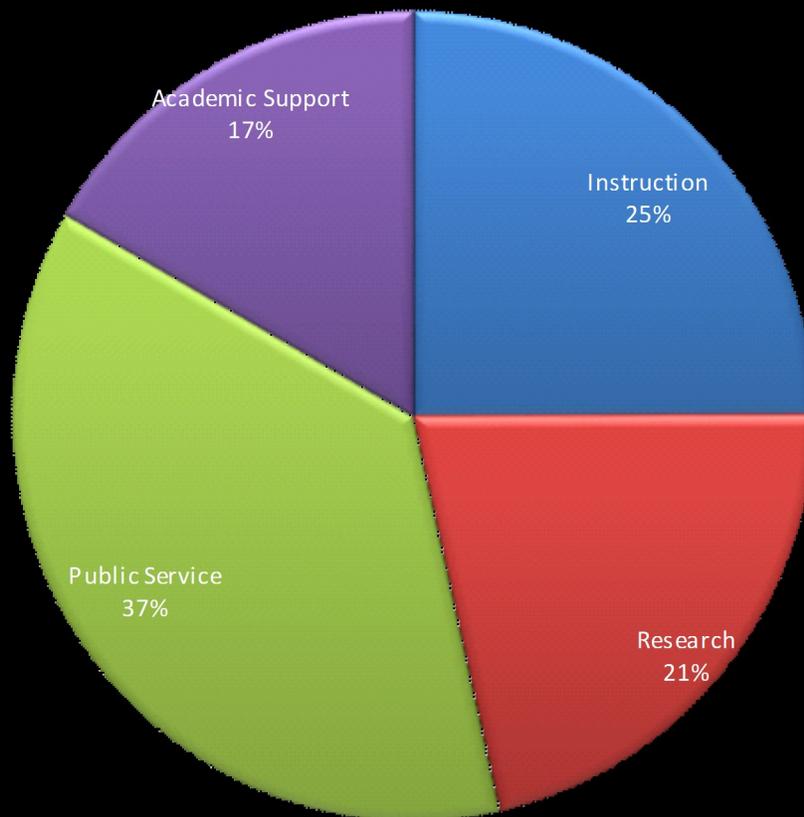
We are proud of our faculty, staff and students who have increased their proposal submissions by 15% since last year and requested a total of \$15,110,729 in external funding.



AWARDS BY FUNDING SOURCE

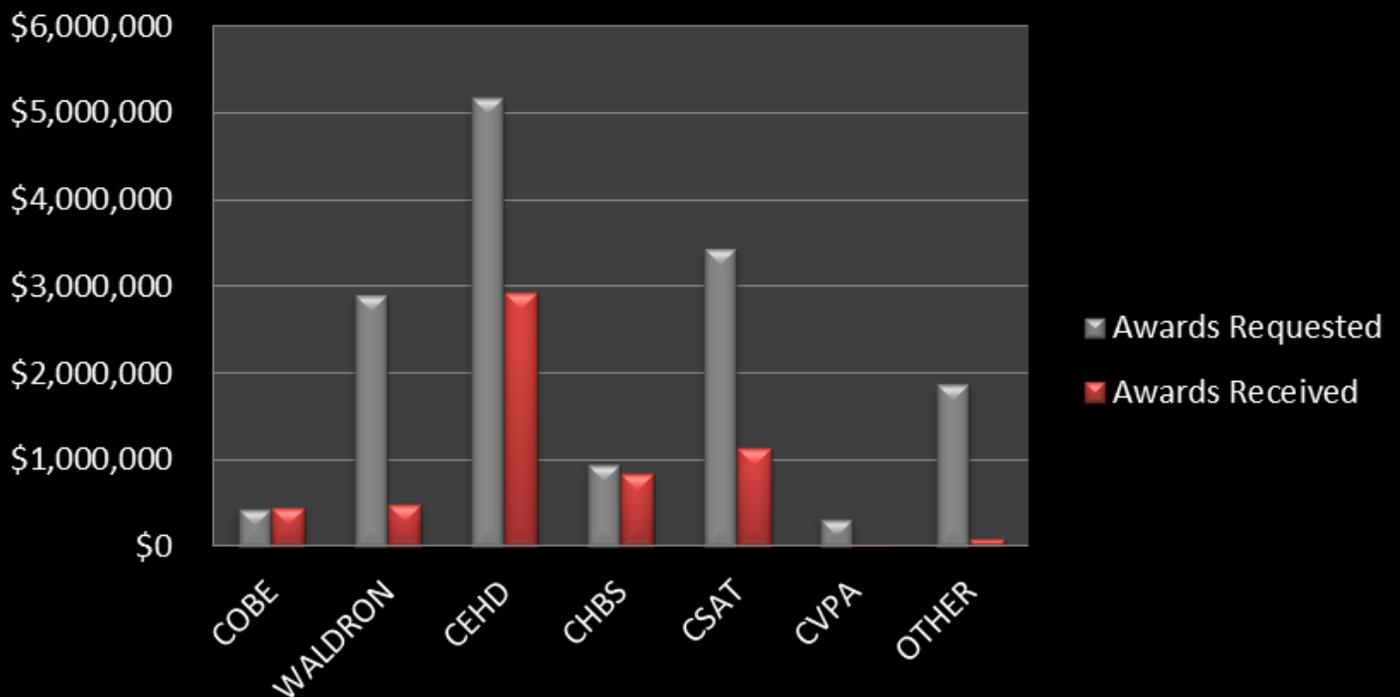


AWARDS BY SOURCE



FY2015 SUBMISSIONS &

FY2015 Grant Activity by Academic Unit

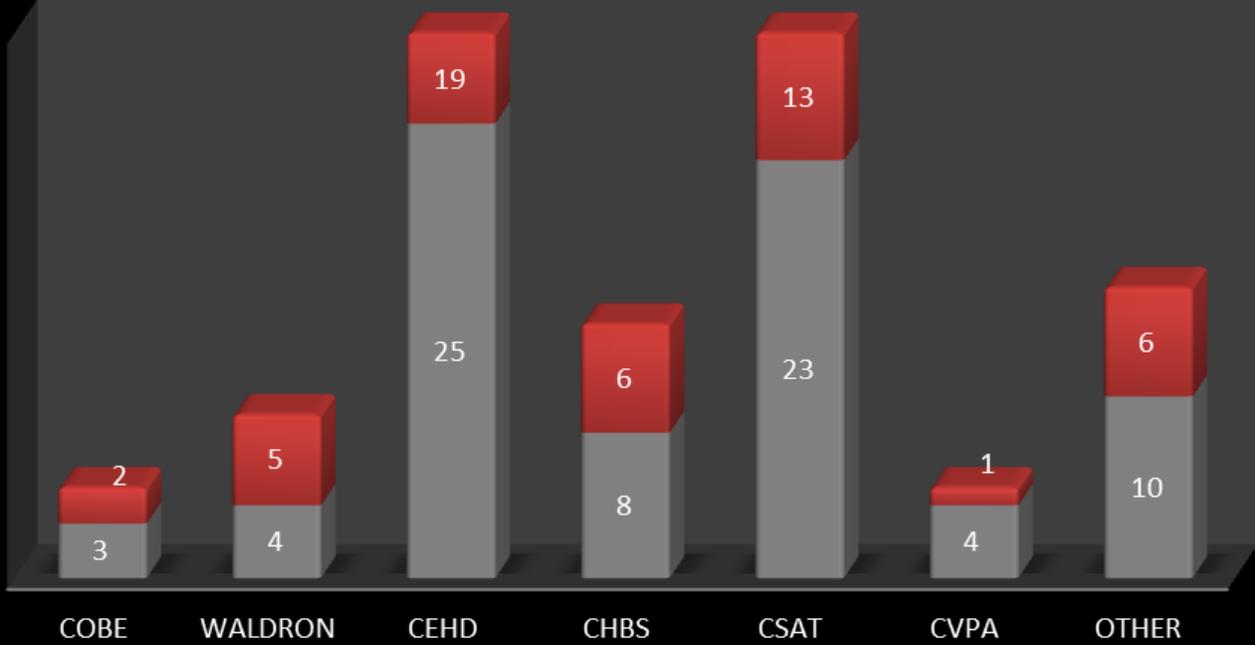


Department	Amount Requested	Amount Received
COBE	\$433,685	\$450,433
WALDRON	\$2,902,436	\$485,625
CEHD	\$5,170,791	\$2,923,465
CHBS	\$963,145	\$845,592
CSAT	\$3,445,860	\$1,129,812
CVPA	\$322,183	\$2,200
OTHER	\$1,872,629	\$80,352

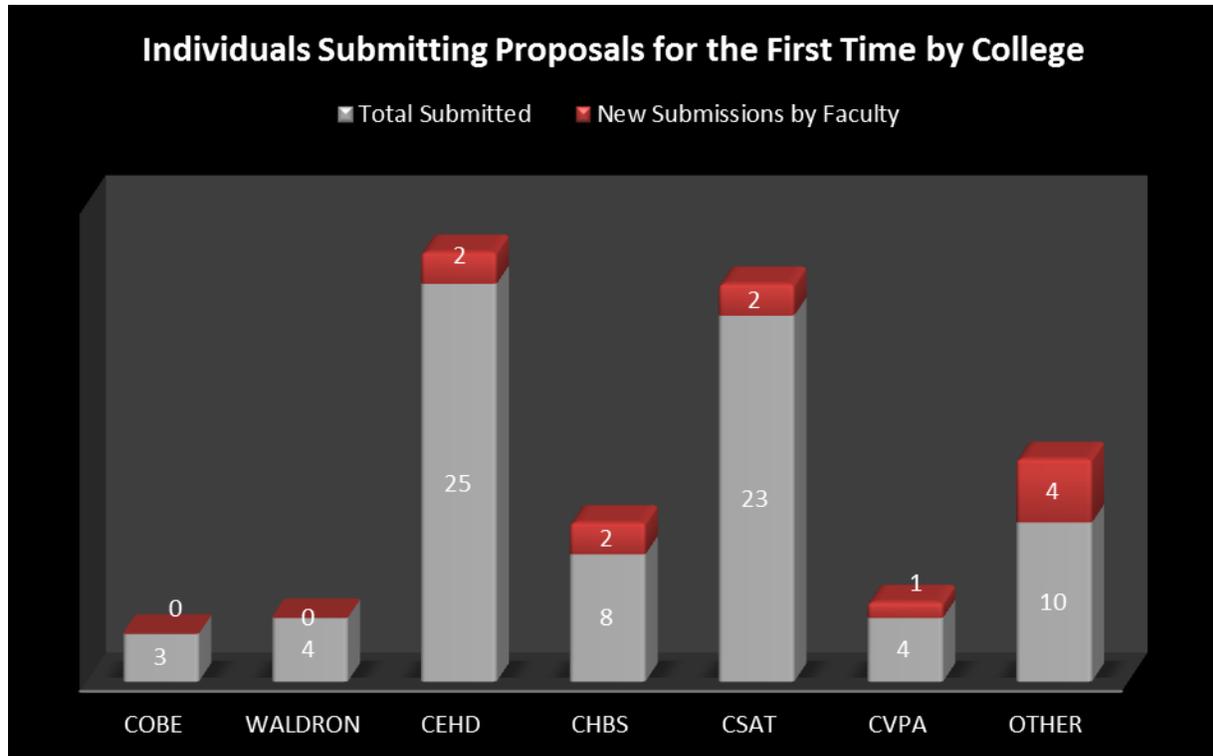
AWARDS BY ACADEMIC UNIT

FY2015 Submissions/Awards by Academic Unit

■ Proposals Submitted ■ Awards Received



SUBMISSIONS AND AWARDS



College of Humanities and Behavioral Sciences

- Dr. Paul Thomas
- Dr. Jolanta Wawrzycha

College of Science and Technology

- Dr. Caleb Adams
- Dr. Chelse Prather

College of Education and Human Development

- Dr. J.P. Barfield
- Dr. Roofia Galeshi

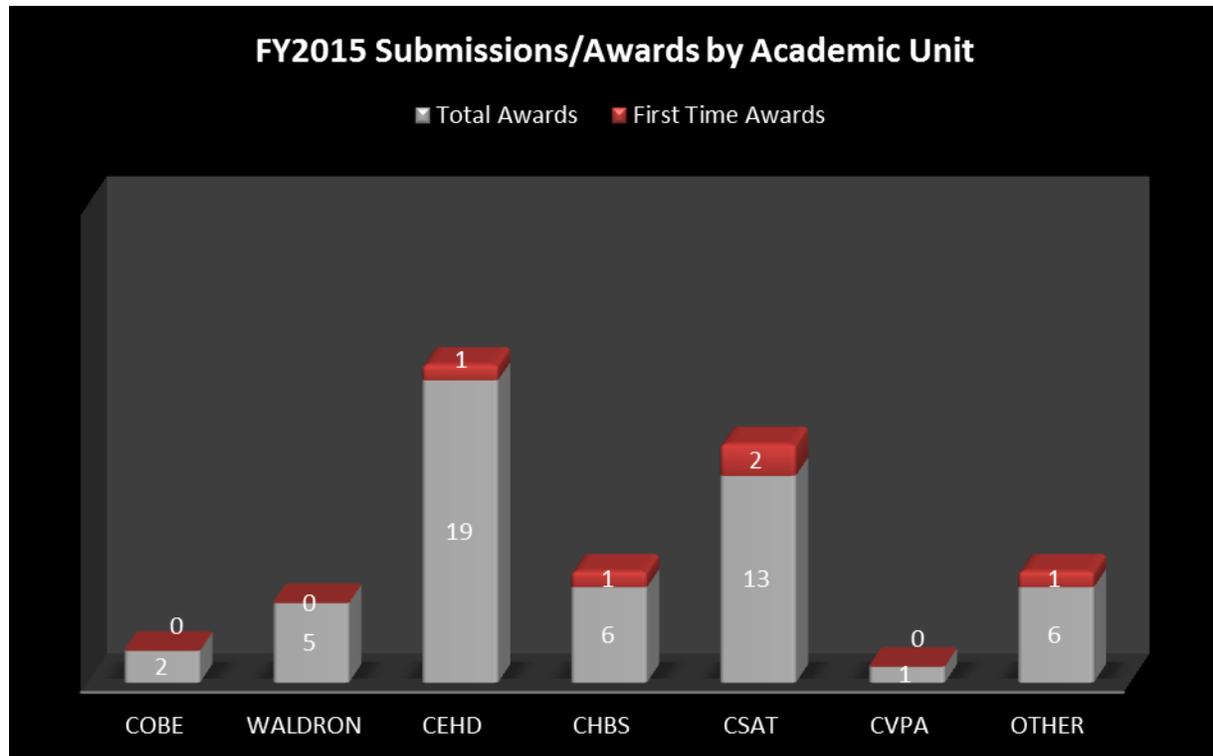
College of Visual and Performing Arts

- Dr. Joseph O'Connor

Other Departments

- Ms. Alyssa Archer
- Ms. Ashlee Claud
- Ms. Lisa Vassady
- Ms. Alia Zaro

BY FIRST TIME FACULTY



College of Humanities and Behavioral Sciences

- Dr. Paul Thomas

College of Science and Technology

- Dr. Chelse Prather
- Mr. Robert Sheehy

College of Education and Human Development

- Dr. Roofia Galeshi

Other Departments

- Ms. Lisa Vassady

OUTREACH

The Office of Sponsored Programs and Grants Management is committed to providing excellent outreach opportunities for our faculty, staff, students and community. We know that navigating and learning about the world of grants can be challenging, so our office has tried to provide the best possible outreach opportunities in various areas to the RU community.



In the Fall of 2014, the Office of Sponsored Programs and Grants Management, along with the Office of Undergraduate Research and Scholarship (OURS), offered an all-day grant writing workshop on campus with Dr. Thomas Wenzel from Bates College. He presented two grant writing workshops in the morning on research and curriculum development. Later in the afternoon, he provided individual and group targeted sessions to discuss upcoming proposals.

Below is a comprehensive list of outreach activities provided by our office in FY2015:

- Our Turn sessions for the Spring on Finding Funding Opportunities with Pivot.
- Provided funding for a faculty member to attend the 2015 NIH Regional Seminar on Program Funding & Administration.
- Provided funding for a faculty member to attend the Grant Funding and Proposal Writing Essentials Course.
- Fall Grant Writing Workshop attended by 45 faculty in October 2014.
- Trained 42 faculty/students on Pivot, a database for finding funding opportunities.
- Grant 101 training session for Occupational Therapy Students.
- *RU Discovery* newsletter with eight issues.
- Dissemination of the *Research Development & Grant Writing Newsletter*.

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 a grant with a research component. As a condition on receiving a Seed Grant, proposed sponsors must allow for indirect cost recovery in the budget.

Deadlines for proposals are rolling: (September 15—April 15)



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 *Traveling to Potential Sponsors* programs may submit at any time.

Awards are subject to the availability of funds.

SEED GRANT AWARDS

Dr. J.P. Barfield

Dr. Laura Newsome

Human and Health Performance

Energy Expenditure in Power Soccer Athletes

\$19,350

Dr. Parvinder Sethi

Geology

*Enhancing Undergraduate Engagement and
Critical-thinking Skills by Creating Virtual Field
Trips using the NASA-GigaPan Technology*

\$19,959

Dr. Jay Caughron—Psychology

Dr. Tay Keong Tan—Political Science

Biology

*Program for Ethics Training and Reform in
Scientific Research Enterprises*

\$19,901

Dr. Shelly Wagers

Dr. Margaret Pate

Criminal Justice

*Evaluation of Batterer Intervention Programs in
the State of Virginia*

\$19,718

FACULTY RESEARCH FELLOWS

Objective: To increase the amount of sponsored research activity by buying out faculty members' instructional time to allow them to focus on grant writing.

Process: Individuals who already have a track record in writing and securing grants will be invited by their deans to submit applications to be Faculty Research Fellows. The Fellows will be provided a 1-1 teaching schedule (or the equivalent instructional workload) for two consecutive semesters plus a summer stipend (equivalent to teaching one course) and travel support in exchange for submitting between \$1 - \$2 million in research support during that period.



Dr. Premchand Uppuluri

Information Technology



Dr. Uppuluri's mission is to (a) build one of the strongest computer science programs in the state of Virginia with focus on state of the art information security education and undergraduate research that provides graduates of the program a significant competitive advantage in the corporate world or graduate school and (b) create a recruiting pipeline of high school/community college students into a STEM major at Radford University by inspiring and preparing them in skills that will help them become leaders in STEM such as: analytical skills and the ability to apply those skills in problem solving.

Dr. Jeremy Wojdak

Biology

Dr. Wojdak has two research initiatives. First, he will focus on extending and expanding the assessment and evaluation of the new Quantitative Undergraduate Biology Education and Synthesis program. The second research initiative is to use empirical data to parameterize meta-community models for communities consisting of trematodes with different dispersal capabilities and to characterize the spatial scale at which different host-parasite systems respond to environmental gradients.



FACULTY RESEARCH FELLOWS



Dr. Anthony Dove

Mathematics & Statistics

Dr. Dove's research area is using a flipped classroom approach at both the college and high school levels for STEM education. His research will study the impact on teachers and students both academically and emotionally.

Dr. Stockton Maxwell

Geospatial Science

Dr. Maxwell focuses on environmental conservation/science and sustainability research. He wants to develop a full range of high impact learning opportunities at the Selu Conservancy. His proposed programs include fellowships for students and faculty to work on original research, developing semester long courses at Selu, as well as, establishing stronger connections between the community and university by providing an engaging workshop.



Dr. Nicole Hendrix

Criminal Justice

Dr. Hendrix's research focuses on firearm related topics. Due to an increase of national concern regarding gun related deaths, the General Assembly of the Commonwealth of Virginia in December 2011, developed and released a comprehensive gun safety education curriculum for public school children from kindergarten through fifth grade. The purpose of the curriculum is to reduce accidental injury and death due to improper handling of firearms by children. Her research will analyze the effectiveness of the implementation of a Commonwealth of Virginia school based firearm safety program.



Dr. J.P. Barfield

Health & Human Performance



Dr. Barfield's work focuses on health-related and quality of life outcomes of adapted physical activity and disability sport. He examines both competitive and recreational sports to identify factors that help participants increase their social and health outcomes. Dr. Barfield's work focuses primarily on participants with spinal cord injury, cerebral palsy, and muscular dystrophy across the lifespan.

PROPOSAL SUBMISSIONS

Adams, Caleb, Mathematics and Statistics. Jeffress Memorial Trust. \$100,000. *Dynamics of Two Pathogens in a Two-Tick Population Amongst a Two-Host Population*. This proposed project is to develop and use a system of ordinary differential equations to model the dynamics of two pathogens (*R. parkeri* and *R. amblyommii*), spread by two species of ticks (*A. maculatum* and *A. americanum*), in a two host system.

Altieri, Elizabeth, STEL. Co-PI: **Karen Stinson**, STEL. Virginia Department of Education. \$200,000. *Teacher Preparation and Professional Development Project - Hearing Impairment PreK-12 2014-2015*. This proposed project is to provide education and professional development to full-time undergraduate and graduate students as well as practicing teachers, speech pathologists, and other service providers.

Altieri, Elizabeth, STEL. Co-PI: **Karen Stinson**, STEL. Virginia Department of Education. \$200,000. *Teacher Preparation and Professional Development Project - Hearing Impairment PreK-12 2015-2016*. This proposed project is to provide education and professional development to full-time undergraduate and graduate students as well as practicing teachers, speech pathologists, and other service providers.

Altieri, Elizabeth, STEL. George Mason University (flow-through from Virginia Department of Education). \$61,738. *Severe Disabilities Grant 2014-2015*. This proposed project is for funding to teach one or two courses as part of the Virginia Department of Education Statewide Training Consortium.

Altieri, Elizabeth, STEL. George Mason University (flow-through from Virginia Department of Education). \$63,000. *Severe Disabilities Grant 2015-2016*. This proposed project is for funding to teach one or two courses 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). \$25,500. *Visual Impairment Grant 2014-2015*. This proposed project 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 as a subaward on George Mason University's grant.

Altieri, Elizabeth, STEL. George Mason University (flow-through from Virginia Department of Education and U.S. Department of Education). \$26,915. *Visual Impairment Grant 2015-2016*. This proposed project 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 as a subaward on George Mason University's grant.

Altieri, Elizabeth, STEL. George Mason University (flow-through from U.S. Department of Education). \$100,000. *Virginia Consortium for Teacher Preparation in Severe Disabilities and Autism*. The purpose of the proposed program is to increase the number of teachers in the Commonwealth of Virginia with endorsement in special education – adapted curriculum K-12 through a statewide innovative distance education based program.

Anderson, Justin, Biology. Gates. \$100,000. *Vector Surveillance using Salivary Proteins: Development of a rapid field test*. The goal of this proposed project is to determine how many mosquitoes are present in a location without collecting and identifying any specimens.

Anderson, Justin, Biology. Jeffress Memorial Trust. \$10,000. *Preventing arbovirus infection with pokeweed antiviral protein*. The goal of this proposed project is to determine whether this protein can interfere with the mosquito-borne dengue viruses, which cause significant morbidity and mortality around the world.

Archer, Alyssa, Library. Virginia Foundation for the Humanities. \$10,000. *One Book, One Community: Exploring Veterans' Issues Through the Things They Carried by Tim O'Brien*. This proposed project will help to create dialogue around critical social and historical issues linked to our country being at war, both present and past, by focusing on the book “*The Things They Carried*” by Tim O’Brien.

Barfield, J.P., Health and Human Performance. Christopher & Dana Reeve Foundation. \$24,970. *Soccer for All*. In this proposal, the goal of the project is to distribute power soccer equipment to teams located across the United States so that they may expand sport opportunities to current and future players.

Barris, Roann, Art. FACE Foundation. \$2,200. *Tournees Film Festival*. This proposed project is requesting funds to use art as an avenue to heal trauma and forge connections by offering the showing of French movies.

Blanks, Brooke, STEL. Virginia Department of Education. \$26,533. *RU Special Education: General Curriculum K-12 Traineeship Grant*. The primary goal of this project is to increase the number of educators in Virginia who are endorsed in Special Education: General Curriculum, K-12. The secondary goal is to assist school divisions in increasing their supply of special educators who have the knowledge and skills in special education as outlined by the Virginia Department of Education and the Council for Exceptional Children standards.

Boyd, Clifford, Forensic Science Institute. Co-PI:

Donna Boyd, Forensic Science Institute. Enviro-Utilities, Inc. \$34,605. *Mosley Cemetery Project Research Design*. This project is to undertake the skeletal analysis of human remains recovered from excavations of the historic Mosley Cemetery in Mecklenburg County, Virginia.

Boyd, Clifford, Forensic Science Institute. Settlers Museum Foundation. \$5,962. *Settlers Museum Structures Rehabilitation Plan and Archaeology*.

This is a contract to conduct an archaeological survey on the grounds of the Settlers Museum.

Burggraf, Virginia, School of Nursing. Health Resources and Services Administration (HRSA) (flow-through from U.S. Department of Health and Human Services). \$857,852. *Advanced Nursing Education: Reaching out to Care Holistically*. The purpose of this project is to enhance the geriatric workforce in southwest Virginia and surrounding areas through developing primary health care and create integrated and interprofessional programs designed to meet the needs of older adults and caregivers.

Burggraf, Virginia, School of Nursing. Health Resources and Services Administration (HRSA) (flow-through from U.S. Department of Health and Human Services). \$1,656,043. *HRSA Geriatric Workforce Development Grant*. This proposed project is to provide outreach with primary health care and interprofessional programming to maximize, increase, and improve the geriatric workforce strength in southwest Virginia and the surrounding communities.

Burriss, Theresa, Appalachian Studies. East Tennessee State University (flow-through from Appalachian Regional Commission). \$4,000. *Appalachian Teaching Project 14-15*. This proposed project is for RU to offer a course in which students will address the question, "How do we build on community assets to shape a positive future for Appalachia?"

Byrd, Anthony, Business Assistance Center. George Mason University (flow-through from U.S. Small Business Administration). \$415,185. *2015 Small Business Development Center*. This proposal requests funds to manage the Small Business Development Center programs in Southwest Virginia.

Claud, Ashlee, Finance and Administration. Mid-Atlantic Arts Foundation . \$3,050. *Judy Carmichael Trio*. This proposal requests funds for a performance and accompanying educational activities with the Judy Carmichael Trio.

Colley, Kenna, STEL. Co-PI: **Karen Stinson**, STEL. Virginia Department of Education. \$24,000. *Educational Interpreter Professional Development Grant*. The goals of this project are to: (1) increase the skills of the educational interpreters currently working in the school systems within regions 6 and 7; (2) to increase the performance assessment levels of the educational interpreters; (3) to increase the number of education interpreters in regions 6 and 7; (4) to increase the participation in scheduled workshops; and (5) to improve the way in which workshops are communicated with educational interpreters in the region.

Colley, Kenna, STEL. Virginia Department of Education (flow-through from U.S. Department of Education). \$1,037,017. *Training and Technical Assistance Center (TTAC) 14-15*. The Virginia Department of Education's state-wide projects with TTAC 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 (flow-through from U.S. Department of Education). \$1,205,362. *Training and Technical Assistance Center (TTAC) 15-16*. The Virginia Department of Education's state-wide projects with TTAC provide professional development and support designed to assist schools in addressing accountability and improvement goals for students with disabilities.

Dill, Julie, Sexual Assault and Substance Abuse Education. Anheuser-Bush. \$12,535. *RU Normal Social Norming Campaign*. This proposal is to institute a campaign to change the culture of drinking on Radford University campus through a social norming campaign.

Dove, Anthony, Mathematics and Statistics. Co-PI: **Robert Sheehy**, Biology. National Science Foundation. \$599,575. *FLIPS: Flipped Learning's Impact on Pedagogy in STEM*. This proposed project is to examine the impact of modifying instructional practices implemented in introductory STEM courses on student's two-year retention rates, academic achievement, and attitudes about math and science.

Duncan, Thomas, Economics. Charles Koch Foundation. \$10,500. *Guest Speaker Program 15-16*. This proposal was submitted to request funding for student travel, a Lecture series and a reading group program.

Duncan, Thomas, Economics. Charles Koch Foundation. \$8,000. *Guest Speaker Program 14-15*. This proposal requests funds for a guest speaker program and a reading group program.

Ely, Linda, School of Nursing. Virginia Tech (flow-through from DHHS/SAMHSA). \$189,700. *SBIRT Training for Students in Health Professionals in Rural SW VA*. This proposed project is to increase the number of health care providers knowledgeable in evidence-based screening, brief intervention, and referral to appropriate treatment for a substance abuse disorder.

Francl-Powers, Karen, Biology. Virginia Department of Game and Inland Fisheries. \$15,000. *Bat surveys in Virginia*. This proposed project is to assist VDGIF with endangered or rare bat surveys in Virginia, primarily surveying for little brown bats, small-footed bats, grey bats, and northern myotis.

Francl-Powers, Karen, Biology. Virginia Tech (flow-through from National Park Service). \$11,350. *Post-White-nose Syndrome Assessment of Bat Species Occupancy at Catoctin Mountain, Harper's Ferry, Manassas Battlefield and Prince William Forest*. The goal of this project is to conduct a survey to assess bat use and species composition at two unsurveyed locations within Harpers Ferry National Historic Park, and determine bat use, species composition, and presence of white-nose syndrome at John Brown's Cave.

Galeshi, Roofia, CEHD-MS Education Mathematics. Co-PI: **Agida Manizade**, Mathematics and Statistics. **Laura Jacobsen**, Graduate Studies & Research. **Rayya Younes**, CEHD-MS Education Mathematics. Virginia Department of Education. \$767,536. *Secondary Mathematics Professional Development Center*. The goals of this project are to enhance teachers': (1) mathematical knowledge, (2) pedagogical content knowledge; and (3) classroom practices and assessments of student performances.

Galeshi, Roofia, CEHD-MS Education Mathematics. National Science Foundation. \$132,065. *Using a Cognitive Diagnostic Model to Measure Students' Proficiency in Undergraduate Entry Level Mathematics*. The goal of this project is to develop an original assessment tool using an emergency psychometric methodology, cognitive diagnostic modeling.

Hendrix, Nicole, Criminal Justice. National Institute of Justice. \$37,693. *Targeting Safety: Examining the effect of the US v. Castleman decision of school based education in reducing death and injury related to firearms*. The proposed study relies on firearm background data and criminal incident data to examine the relationship between changes in policy resulting from the *U.S. v. Castleman* decision upholding the prohibition of gun ownership and possession for those convicted of misdemeanor domestic violence.

Hilden, Katherine, STEL. Co-PI: **Jennifer Jones**, STEL. SCHEV. \$180,566. *Integration Station-3 (IS3): Building Literacy & Science Capacity*. The goals of this project are to: 1) increase teacher knowledge and student achievement through best practices in integrated science/literacy instruction; 2) to foster instructional leadership; and 3) disseminate knowledge gained from the grant in the professional arena through conference presentations and/or publications and professional development efforts in local schools.

Hoover, Kathryn, STEL. Virginia Department of Education (flow-through from U.S. Department of Education). \$68,000. *Virginia Consortium for Teacher Preparation in Early Childhood Special Education 2014-2015*. The purpose of this project is to address the critical shortage of Virginia licensed teachers who carry endorsement in Early Childhood Special Education.

Hoover, Kathryn, STEL. Virginia Department of Education (flow-through from U.S. Department of Education). \$68,000. *Virginia Consortium for Teacher Preparation in Early Childhood Special Education 2015-2016*. The purpose of this project is to address the critical shortage of Virginia licensed teachers who carry endorsement in Early Childhood Special Education.

Hoover, Kathryn, STEL. Co-PI: **Kathleen Pierson**, STEL. Virginia Department of Behavioral Health and Developmental Sciences. \$129,706. *Infant and Toddler Connection 15-16 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 Behavioral Health and Developmental Sciences. \$216,124. *Infant and Toddler Connection 15-16 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.

Huston, Shawn, Physics. National Institute of Standards and Technology. \$19,000. *NIST SURF Undergraduate Fellowship*. This proposal is for two students to attend the Summer Undergraduate Research Fellowship Program which provides a research opportunity to work with an internationally known NIST scientist, in order to expose the students to cutting-edge research and to promote the pursuit of graduate degrees in science and engineering.

Jones, Franklin, Physics. Co-PI: **Walter Jaronski**, Physics. SCHEV. \$126,426. *STEM Themes Revitalize Elementary and Middle Schools (STREAMS)*. This proposed project is to increase the STEM knowledge of teachers at the elementary and middle-school levels (K-9) to improve STEM instruction throughout selected divisions of schools in Southside Virginia.

Jones, Joe, Philosophy and Religious Studies. American Philosophical Association. \$17,000. *Diversity Grant*. The goal of this project is to break the barrier to minority participation in the philosophy major at Radford University.

Kennan, William, Academic Affairs. Co-PI: **Tracey Mattson**, Academic Programs. U.S. Department of Education. \$320,270. *Establishing a Veteran Center of Excellence at Radford University*. The purpose of this grant is to establish a center for military excellence at Radford University that will provide academic support for veterans who are enrolled as students.

King-Ingham, Alice. Social Work. Virginia Department of Social Services. \$198,841. *Community Resource Adoptive Foster Family Training (CRAFFT) 2015-2016*. This proposal is for a grant that will be used to train foster parents and social service workers to strengthen relationships and promote the growth and development of healthy, productive children.

Lane, Kimberly, Chemistry. Co-PI: **Tara Phelps-Durr**, Biology and **Timothy Fuhrer**, Chemistry. National Science Foundation. \$249,565. *Three-Dimensional Virtual and Physical Molecular Modeling in Chemical and Biological Education*. This proposal seeks funding for the development of computational molecular-modeling systems to be used in biochemical and biological research laboratories.

Lane, Kimberly, Chemistry. Co-PI: **Timothy Fuhrer**, Chemistry and **Tara Phelps-Durr**, Biology. Commonwealth Health Research Board (CHRB). \$72,005. *Characterization of Inhibitor Binding in Bacterial Beta-Glucuronidase: A Molecular Modeling Guided Approach*. The goals of this project are to 1) develop and assess the efficacy of instructional materials that allow instructors to easily incorporate computational molecular modeling and three-dimensional printing in their classrooms and 2) hold a workshop that will train instructors in the Southwest VA area how to use molecular modeling programs and prepare files for printing.

Lee, Hwajung, Information Technology. National Science Foundation. \$59,791. *Collaborative Research: CHIC - Collaborative, Holistic and Interdisciplinary Computing*. This project aims to: (1) increase awareness of the collaborative, interdisciplinary and holistic nature of computing in the 21st century; (2) provide research data to support the need for institutions to address these early awareness development needs of computing students; (3) provide mechanisms for institutions to incorporate lessons into their existing curriculum; and (4) disseminate written results and present findings to increase the awareness of this important need in computing education.

O'Brien, Sara, Biology. Co-PI: **Justin Anderson**, Biology. CREU. \$9,000. *From Disposal to Disease: Exploring How Pollutants Affect Mosquito-borne Diseases*. This project is to investigate whether endocrine-disrupting chemicals affect predator-prey relationships.

O'Conner, Joseph, Art. Virginia Department of Emergency Management. \$7,500. This contract is for a graphic design team at Radford University to create a new design for the safety striping and branding on the Virginia Department of Emergency Management vehicles.

Phelps-Durr, Tara, Biology. National Science Foundation. \$126,716. *Developing Instructional Materials that Incorporate Student-centered and Computational Modeling Activities throughout an Entire Biology Course*. This proposal seeks funding to develop activities that instill a deep understanding of the relationship between DNA and protein structure and function.

Prather, Chelse, Biology. National Science Foundation. \$546,598. *Are Micronutrients important in structuring plant and herbivore communities? A test in coastal tallgrass prairies.* This proposal seeks funding to support a large, multi-factorial field experiment to rigorously test the importance of micronutrients in mediating herbivore abundance and diversity, and to determine if the importance of micronutrients depends on macronutrients and varies among herbivore feeding modes and guilds.

Prather, Chelse, Biology. University of Notre Dame (flow-through from U.S. Department of Agriculture). \$4,380. *Is a diverse grasshopper community beneficial to the health and functioning of rangeland ecosystems?* This proposed project is to collect and run experiments to analyze plant and grasshopper samples for the latitudinal gradient study.

Roberts, Colleen, Police Department. Virginia Office of Emergency Medical Services (flow-through from Virginia Department of Health). \$9,000. *Virginia Rescue Squad Assistance Fund.* This proposal requests funds to purchase two new AEDs to replace the three current models and add two EMS bicycles to the agency.

Roberts, Colleen, Police Department. Christiansburg Police Department. \$16,839. *Non-Lethal Equipment Grant.* This is a grant for funds to obtain non-lethal equipment for the police department.

Roberts, Mary Ann, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education. \$8,000. *Expanded GED 13-14 Grant.* This proposal requests funds to provide training and instruction for Virginia GED Examiners who oversee the administration of the General Educational Development test.

Roberts, Mary Ann, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education. \$32,000. *Expanded GED 14-15 Grant.* This proposal requests funds to provide training and instruction for Virginia GED Examiners who oversee the administration of the General Educational Development test.

Roberts, Mary Ann, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education (flow-through from U.S. Department of Education). \$73,413. *EL/Civics.* This project is to work with the Office of Adult Education and Literacy to provide staff development and training to adult education practitioners in Virginia.

Roberts, Mary Ann, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education (flow-through from U.S. Department of Education). \$422,607. *Adult Education State Leadership Program.* This project is to work with the Office of Adult Education and Literacy to provide staff development and training to adult education practitioners in Virginia.

Shoemaker, Patricia, Office of the Dean of the College of Education and Human Development. Advance Education, Inc. \$65,739. *Advance Education, Inc.: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement (SACS CASI).* This proposal is for RU to house and be 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: **Ann Mary Roberts**, STEL. Virginia Department of Correctional Education. \$12,000. *Partnership with DOC for VAILL Participants.* This proposal is for funding for thirty DCE personnel to participate in the Virginia Institute for Lifelong Learning at Radford University campus.

Thomas, Paul, Philosophy and Religious Studies. **Co-PI: Katherine Hawkins**, Dean of College of Humanities and Behavioral Sciences and **Margaret Devaney**, Dean of College of Visual and Performing Arts. Virginia Department of Education. \$714,504. *2015 (FY2016) Residential Governor's School Cost Proposal*. This proposal requests funding to host the Summer Governor's school.

Uppuluri, Prem, Information Technology. **Co-PI: Joseph Chase**, Information Technology and **Jeffrey Pittges**, Information Technology. National Science Foundation. \$871,797. *Prepare, Inspire and Recruit Cyber Citizens (PIRC): Developing the next generation of cyber citizens and computer science majors*. This purpose of this project is to increase the size of IT related pipeline of students from schools in Virginia, Maryland and North Carolina, and create responsible cyber citizens.

Uppuluri, Prem, Information Technology. **Co-PI: Joseph Chase**, Information Technology and **Jeffrey Pittges**, Information Technology. National Security Agency. \$50,000. *Scare, Prepare and Dare (Phase 3): Preparing High School Students and Nurturing their Passion for Cyber-Security*. This proposal seeks funding for the development of computational molecular-modeling systems to be used in biochemical and biological research laboratories.

Uppuluri, Prem, Information Technology. **Co-PI: Joseph Chase**, Information Technology and **Laura Jacobsen**, Graduate Studies & Research. SCHEV (flow-through from Virginia Department of Education). \$54,959. *CAR: Cyber-Aware and Cyber-Read: Preparing the Cyber Generation*. This proposal is to offer three credits of graduate course work in cyber security to teachers that will help them incorporate concepts of computing, applied mathematics and cyber security into their curriculum.

Van Patten, Isaac, Criminal Justice. City of Roanoke, Virginia. \$38,000. *Roanoke Police Department*. This project will embed Dr. Van Patten as a criminologist within the Roanoke Police Department to enhance the effectiveness of achieving crime reduction and crime management.

Van Patten, Isaac, Criminal Justice. Virginia State Police. \$10,588. *Training on Crime Analysis Products*. This project will embed Dr. Van Patten as a criminologist within the Virginia State Police to identify data being collected by the department's operational and administrative staff to determine its usefulness in developing crime analysis intelligence products and provide recommendations for the development of crime analysis products.

Vassady, Lisa, Library. National Endowment for the Arts. \$10,000. *The Big Read*. The library proposes to provide opportunities to create dialogue around critical, social and historical issues linked to our country being at war, both past and present through the book "*The Things They Carried*" by Tim O'Brien.

Wawrzycka, Jolanta, English. National Endowment for the Humanities. \$90,360. *Re-Translation and Scholarly Edition of Roman Ingarden's Treatise 'On Translations'*. This project seeks to re-translate the work of Roman Ingarden and to publish it as a scholarly edition with a critical introduction, a full editorial apparatus of commentary and annotations, glossary of philosophical terms, and an index.

Winter, Patricia, Music. Co-PI: **Brooke Blanks**, STEL. National Endowment for the Humanities. \$297,500. *Community Music Therapy: Advocacy, Access, and Inclusion for People with Disabilities in Rural Malawi*. This collaborative research project is to evaluate the impact of both traditional and newly composed music as a resource for providing increased school and community access for children with disabilities in rural Malawi.

Winter, Patricia, Music. Co-PI: **Corey Cassidy**, Associate Dean of Waldron College of Health and Human Services. American Music Therapy Association. \$14,983. *Music Therapy and Speech/Language Therapy: A Collaborative Approach for Young Children with Communication Disorders*. This two-fold project is designed for the evaluation of music therapy interventions and speech/language interventions as integral therapeutic strategies for toddlers and preschool aged children with speech and language disorders and to evaluate the impact of caregiver training as a support for the generalization of language development from the clinic to the home environment.

Wojdak, Jeremy, Biology. Co-PI: **Arietta Fleming-Davies**, Science and Technology-Grants/Contracts. National Science Foundation. \$263,603. *Math: EAGER: Biology Undergraduate Mathematics Anxiety and Attitudes Project (BioMAAP)*. We propose to design, implement and assess interventions to help undergraduate biology majors improve their attitudes and anxiety towards mathematics.

Zaro, Alia, Student Support Services. U.S. Department of Education. \$1,461,715. *Student Support Services - TRIO*. This proposal seeks funding to provide participants with comprehensive and consistent educational and support services that will be grounded in evidence-based strategies: academic tutoring and advising; information on financial aid programs; assistance in completing financial aid applications; financial literacy; and support for applying for graduate school programs.

AWARDS

Altieri, Elizabeth, STEL. Co-PI: **Karen Stinson**, STEL. Virginia Department of Education. **\$200,000**. *Teacher Preparation and Professional Development Project – Hearing Impairment PreK-12*. This grant is to provide education and professional development to full-time undergraduate and graduate students as well as practicing teachers, speech pathologists, and other service providers.

Altieri, Elizabeth, STEL. George Mason (flow through from VDOE and ED). **\$25,500**. *Visual Impairment Grant 2014-2015*. This grant 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 as a subaward on George Mason University's grant.

Altieri, Elizabeth, STEL. George Mason (flow through from VDOE). **\$61,738**. *Severe Disabilities 2014-2015*. This grant is for funding to teach one or two courses as part of the Virginia Department of Education Statewide Training Consortium.

Anderson, Justin, Biology. Jeffress Memorial Trust. **\$10,000**. *Preventing arbovirus infection with pokeweed antiviral protein*. This award is 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.

Barris, Roann, Art. FACE Foundation. **\$2,200**. *Tournees Film Festival*. This grant is to use art as an avenue to heal trauma and forge connections by offering the showing of French movies.

Bierman, Vickie, Nursing. Health Resources and Services Administration (flow through from DHHS). **\$261,037**. *Advanced Nursing Education CARE*. The grant is to engage advanced practice nursing students and other health care students and professionals in an interprofessional collaborative practice model that will address chronic illness, behavioral health, continuing education and an IPE course and conference.

Blanks, Allyster, STEL. Virginia Department of Education. **\$22,940**. *RU Special Education: General Curriculum K-12 Traineeship*. The grant is to increase the number of educators in Virginia who are endorsed in Special Education: General Curriculum, K-12. The grant will also assist school divisions in increasing their supply of special educators who have the knowledge and skills in special education as outlined by the Virginia Department of Education and the Council for Exceptional Children standards.

Boyd, Clifford, Forensic Science Institute. Co-PI: **Donna Boyd**, Forensic Science Institute. Enviro-Utilities. **\$34,605**. *Mosley Cemetery Project Research Design*. This project is to undertake the skeletal analysis of human remains recovered from excavations of the historic Mosley Cemetery in Mecklenburg County, Virginia.

Boyd, Clifford, Forensic Science Institute. Settlers Museum Foundation. **\$5,962**. *Settlers Museum Rehabilitation Plan and Archaeology*. This is a contract to conduct an archaeological survey on the grounds of the Settlers Museum.

Burkhardt, Cindy, Chemistry. Co-PI: **Robert Boggess**, Chemistry. National Science Foundation. **\$42,272**. *TUES:NSF Symposia: The Impact of the National Science Foundation on Undergraduate Education: Examples of Curricular Innovations*. This project is to organize three symposia to be sponsored by the National Science Foundation.

Burriss, Theresa, Appalachian Studies. East Tennessee State University (flow through from Appalachian Regional Commission). **\$4,000**. *Appalachian Teaching Project 14-15*. This grant is for RU to offer a course in which students will address the question, "How do we build on community assets to shape a positive future for Appalachia?"

Byrd, Anthony, Business Assistance Center. George Mason University (flow through SBDC and SBA). **\$442,933**. *2015 Small Business Development Center*. Grant funds are to manage the Small Business Development Center programs in Southwest Virginia.

Colley, Kenna, STEL. Co-PI: **Karen Stinson**. Virginia Department of Education (flow through from U.S. Department of Education). **\$24,000**. *Educational Interpreter Professional Development Grant*. The goals of this project are to: (1) increase the skills of the educational interpreters currently working in school systems within regions 6 and 7; (2) increase the performance assessment levels of the educational interpreters; (3) increase the number of education interpreters in regions 6 and 7; (4) to increase the participation in scheduled workshops; and (5) to improve the way in which workshops are communicated with educational interpreters in the region.

Colley, Kenna, STEL. Co-PI: **Virginia Bussey**, TTAC; and **Leslie McArthur-Fox**, TTAC. Virginia Department of Education (flow through from ED). **\$881,465**. *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.

Colley, Kenna, STEL. Co-PI: **Virginia Bussey**, TTAC; **Leslie McArthur-Fox**, TTAC. Virginia Department of Education (flow through from ED). **\$155,553**. *Training and Technical Assistance Center (TTAC) Supplement*. This supplement is for additional 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.

Dill, Julie, Sexual Assault and Substance Abuse Education. Anheuser-Busch Foundation. **\$12,535**. *RU Normal Social Norming Campaign*. This grant is to institute a campaign to change the culture of drinking on Radford University campus through a social norming campaign.

Duncan, Thomas, Economics. Charles Koch Foundation. **\$7,500**. *Guest Speaker Program 14-15*. This grant is for Radford University to host two guest speakers for economic students and a reading group program.

Foy, Andrew, Geospatial Science. Commonomic USA. **\$20,000**. *"Less Wall Street" GIS and Interactive Maps Pilot Project Proposal*. This pilot project is to understand and explore the process for developing a national dataset of municipal debt and pension obligation funds that can be visualized geographically.

Francl-Powers, Karen, Biology. Virginia Department of Game and Inland Fisheries(VDGIF). **\$15,000**. *Bat Surveys in Virginia*. This project is to continue to assist VDGIF with endangered or rare bat surveys in Virginia, primarily surveying for little brown bats, small-footed bats, grey bats, and northern myotis.

Francl-Powers, Karen, Biology. Virginia Tech (flow through from National Park Service). **\$11,350**. *Post-White-nose Syndrome Assessment of Bat Species Occupancy at Catoctin Mountain, Harper's Ferry, Manassas Battlefield and Prince William Forest*. The goal of this grant is to assess bat use and species composition at two unsurveyed locations within Harpers Ferry National Historic Park, and determine bat use, species composition, and presence of white-nose syndrome at John Brown's cave.

Galeshi, Roofia, CEHD-MS Education Mathematics. Co-PI: **Agida Manizade**, Mathematics and Statistics; **Laura Jacobsen**, Graduate/Professional Studies. **Rayya Younes**, CEHD-MS Education Mathematics. Virginia Department of Education. **\$242,866**. *Secondary Mathematics Professional Development Center*. The goal of this project is to enhance teachers': (1) mathematical knowledge; (2) pedagogical content knowledge; and (3) classroom practices and assessments of student performances.

Hilden, Katherine, STEL. Co-PI: **Jennifer Jones**, STEL. SCHEV (flow through from ED). **\$142,347**. *Integration Station Expanded: Best Literacy & Science Practices*. This grant is to build knowledge and comfort levels of teachers to integrate STEM and literacy instruction in research-based ways in the classroom.

Hilden, Katherine, STEL. Co-PI: **Jennifer Jones**, STEL. SCHEV(flow through from ED) . **\$139,468**. *Integration Station-3 (IS3): Building Literacy & Science Capacity*. The goals of this project are to: 1) increase teacher knowledge and student achievement through best practices in integrated science/literacy instruction; 2) to foster instructional leadership; and 3) disseminate knowledge gained from the grant in the professional arena through conference presentations and/or publications and professional development efforts in local schools.

Hoover, Kathryn, STEL. Virginia Department of Education (flow through from ED). **\$68,000**. *Virginia Consortium for Teacher Preparation in Early Childhood Special Education*. The purpose of this grant is to address the critical shortage of Virginia licensed teachers who carry endorsement in Early Childhood Special Education.

Hoover, Kathryn, STEL. Co-PI: **Kathleen Pierson**, STEL. Virginia Department of Behavioral Health and Development Sciences (flow through from ED). **\$216,124**. *2015-2016 Infant and Toddler Connection State Funds*. This grant 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 Behavioral Health and Developmental Sciences (flow through from ED). **\$129,706**. *2015-2016 Infant and Toddler Connection Federal Funds*. This grant is to provide early intervention services to eligible children birth to 2 years of age or their 3rd birthday.

King-Ingham, Alice. Social Work. Virginia Department of Social Services (flow through US Department of Health and Human Services). **\$198,841.** *Community Resource Adoptive Foster Family Training (CRAFFT) 2015-2016.* This grant will be used to train foster parents and social service workers to strengthen relationships and promote the growth and development of healthy, productive children.

Prather, Chelse, Biology. National Science Foundation. **\$546,598.** *Are Micronutrients Important in Structuring Plant and Herbivore Communities? A Test in Coastal Tallgrass Prairies.* This grant is to support a large, multi-factorial field experiment to rigorously test the importance of micronutrients in mediating herbivore abundance and diversity, and to determine if the importance of micronutrients depends on macronutrients and varies among herbivore feeding modes and guilds.

Roberts, Ann Mary, STEL. Co-PI: **Jane Swing,** STEL. Virginia Department of Education. **\$32,000.** *Expanded GED 14-15 Grant.* These funds will be utilized to provide training and instruction for Virginia GED Examiners who oversee the administration of the General Educational Development test.

Roberts, Ann Mary, STEL. Co-PI: **Jane Swing,** STEL. Virginia Department of Education. **\$8,000.** *Expanded GED 13-14 Grant.* These funds will be utilized to provide training and instruction for Virginia GED Examiners who oversee the administration of the General Educational Development test.

Roberts, Ann Mary, STEL. Co-PI: **Jane Swing,** STEL. Virginia Department of Education (flow through from ED). **\$422,606.** *Adult Education State Leadership Program.* The purpose of this cooperative agreement between the OAEL and Radford University is to establish the scope of professional development services and activities to be provided by Radford University to the field of adult education and literacy providers Radford University shall use funding to support effective practices in providing professional development to adult education staff in Virginia and other activities of statewide significance.

Roberts, Ann Mary, STEL. Co-PI: **Jane Swing,** STEL. Virginia Department of Education (flow through from ED). **\$73,413.** *EL/Civics State Leadership Project 2014-2015.* This grant is for the Office of Adult Education and Literacy at RU 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..

Roberts, Colleen, Police Department. Virginia Office of Emergency Medical Services (Rescue Squad Assistance Fund)(flow through from Virginia Department of Health). **\$6,758.** This grant is to purchase Kenwood Nect Edge radios, a Motorola Monitor V pager and a Toughbook table to be used to better coordinate emergency services on campus.

Roberts, Colleen, Police Department. Christiansburg Police Department. **\$16,839.** *Non-Lethal Equipment Grant.* This is a grant for funds to obtain non-lethal equipment for the police department.

Sheehy, Robert, Biology. William and Mary (flow through NSF). **\$98,857**. *Collaborative Research: Bio IUSE Ideas Lab: Supporting Faculty in Quantitative Undergraduate Biology Education and Synthesis (QUBES)*. This grant is to support the implementation of higher quality quantitative biology learning opportunities by addressing five interrelated goals: (1) supporting faculty acquisition and implementation of specific quantitative biology concepts and teaching resources, (2) increasing the visibility, utility and adoption of existing quantitative biology materials, (3) coordinating the efforts and resources of disparate communities invested in promoting quantitative biology education, (4) describing and tracking faculty contributions to quantitative biology education scholarship and (5) studying and disseminating the features of this system that influence implementation success.

Shoemaker, Patricia, Office of the Dean of the College of Education and Human Development. Advance Education, Inc. **\$65,739**. *Advance Education, Inc.: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement (SACS CASI)*. This grant 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: **Ann Mary Roberts**, STEL. Virginia Department of Correctional Education. **\$12,000**. *Partnership with DOC for VAILL Participants*. This grant is for thirty DCE personnel to participate in the Virginia Institute for Lifelong Learning at Radford University campus.

Thomas, Paul, Philosophy and Religious Studies. Co-PI: **Katherine Hawkins**, Dean of College of Humanities and Behavioral Sciences and **Margaret Devaney**, Dean of College of Visual and Performing Arts. Virginia Department of Education. **\$714,504**. *2015 (FY2016) Residential Governor's School Cost Proposal*. This grant funds the Summer Governor's School.

Uppuluri, Prem, Information Technology. Co-PI: **Joseph Chase**, Information Technology and **Jeffrey Pittges**, Information Technology. National Security Agency. **\$45,000**. *Scare, Prepare and Dare (Phase 3): Preparing High School Students and Nurturing their Passion for Cyber-Security*. This grant is to refine, institutionalize and scale learning modules that constitute a one semester high impact dual-enrollment course in cyber-security to high schools across Maryland and Virginia; develop a unique set of cyber challenges that expose students to real-world attack and defense scenarios; institutionalize a unique cyber defense workshop and competition that will reach and nurture a passion in cyber-security among students; and conduct high school teacher training.

Van Patten, Isaac, Criminal Justice. City of Roanoke, Virginia. **\$38,000**. *Roanoke Police Department*. This contract is for Dr. Van Patten to be an embedded criminologist within the Roanoke Police Department to enhance the effectiveness of achieving crime reduction and crime management.

Van Patten, Isaac, Criminal Justice. Virginia State Police. **\$10,588**. *Training on Crime Analysis Products*. This contract is for Dr. Van Patten to be an embedded criminologist within the Virginia State Police to identify data being collected by the department's operational and administrative staff to determine its usefulness in developing crime analysis intelligence products and provide recommendations for the development of crime analysis products.

Vassady, Lisa, Library. National Endowment for the Arts. **\$15,000**. *The Big Read*. Through this grant, the library will provide opportunities to create dialogue around critical, social and historical issues linked to our country being at war, both past and present through the book "*The Things They Carried*" by Tim O'Brien.

Wojdak, Jeremy, Biology. National Science Foundation. **\$142,536**. *AIMS: Analyzing Images to Learn Mathematics & Statistics*. This grant will be used to create, assess and disseminate learning materials that will allow meaningful hypothesis formation, data collection, and most importantly analyses of biological research.

Wojdak, Jeremy, Biology. University of Pittsburgh (flow through NSF). **\$62,104**. *Collaborative Research: Bio IUSE Ideas Lab: Supporting Faculty in Quantitative Undergraduate Biology Education and Synthesis (QUBES)*. This grant is to support the implementation of higher quality quantitative biology learning opportunities by addressing five interrelated goals: (1) supporting faculty acquisition and implementation of specific quantitative biology concepts and teaching resources; (2) increasing the visibility, utility and adoption of existing quantitative biology materials, (3) coordinating the efforts and resources of disparate communities invested in promoting quantitative biology education; (4) describing and tracking faculty contributions to quantitative biology education scholarship; and (5) studying and disseminating the features of this system that influence implementation success.

Radford University

Sponsored Programs and
Grants Management
PO Box 6926
Radford, VA 24142-6926

Phone: 540.831.5035

Fax: 540.831.6636

E-mail: spgm@radford.edu

Web: www.radford.edu/spgm

