



RADFORD UNIVERSITY

Sponsored Programs and Grants Management

FY 2016 Annual Report

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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

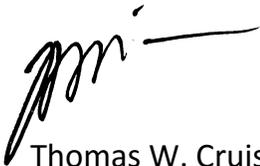
Letter from Director

Dear Colleagues,

The Office of Sponsored Programs and Grants Management once again appreciates the opportunity to present to you our Fiscal Year 2016 Annual Report highlighting many of the wonderful accomplishments led by our faculty and staff. Although our core numbers were slightly down this year, what was truly encouraging was the number of faculty who applied for and received external grants for the very first time through the SPGM office. In fact, during FY16 there was a 75% increase in new faculty submitting grants and 50% increase in new faculty receiving awards from the previous fiscal year. Through our core mission of proudly serving and supporting the university community in the pursuit of external funding that benefits its strategic goals, we sincerely hope our report of this year's past activities truly reflects the motivation, desire, and excellence of those who requested funding that further enhances our research and scholarship.

Congratulations to all our awardees as well as those who have worked extremely hard under tight deadlines and other university commitments to submit proposals. We hope you enjoy reviewing our report. As always, please feel free to contact me should you have any comments or questions regarding the information presented in this report.

Respectfully Submitted,



Thomas W. Cruise, CRA
Director of Sponsored Programs
& Grants Management

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.



Research Highlights



The Training and Technical Assistance Center (TTAC) at Radford University is part of a statewide network of seven regionally located centers. The mission of these centers is to improve educational opportunities and contribute to the success of children and youth with disabilities (birth-22 years). The centers provide high quality professional development and ongoing technical assistance to respond to local, regional and state needs. These services aim to increase the capacity of schools, school personnel, service providers and families to meet the needs of students.

The TTAC at Radford University has been in existence since 1996 and is funded by the Virginia Department of Education through the Individuals with Disabilities Education Act (IDEA). Dr. Kenna Colley, Dean of the College of Education and Human Development, has served as primary investigator since 2005 and has been a strong leader and visionary in developing and growing the Center at Radford University, having started with the TTAC in 1996. Current staff include two co-directors, eight project coordinators and an administrative assistant. In conjunction with the TTAC at Virginia Tech, the two centers serve public schools, administrators, teachers, students and families in 34 school divisions in Superintendent's Regions 6 and 7. These centers are often the primary source of professional development in southwest Virginia, due to geographic isolation and often limited resources in public schools.



(Left to Right): Dr. Jim Dubinsky (Virginia Tech), Toni Cox (Director of Radford Public Library), Marcia Dewitt (Virginia Tech), Tim O'Brien (Author) Jennifer Whicker (Radford University) Lisa Vassady (Radford), Bruce Pencek (Virginia Tech) ,and Alyssa Archer (Radford University). *Photo by Lora Gordon.*

In 2015 McConnell Library, along with its partners Glencoe Museum & Gallery, Montgomery Floyd Regional Library, New River Community College Library, The Pulaski County Library System, Radford Public Library and Virginia Tech University, was one of 75 organizations awarded a grant of \$15,000 to host The Big Read. The Big Read initiative is a program of the National Endowment for the Arts that offers grants to support innovative community reading programs designed around a single book chosen from 37 selections from United States and world literature. Grantees commit to planning and implementing a series of events over a period of roughly a month aimed at a wide range of audiences and located at diverse locations throughout the community.

The McConnell Library team, comprised of Lisa Vassady, Alyssa Archer and Jennifer Whicker, who orchestrated the Big Read programming focused on Tim O'Brien's critically acclaimed work of autobiographical fiction based on his experiences as a soldier in Vietnam, *The Things They Carried*. The work was selected with the hope that the Big Read programs would open a discussion of issues faced by Vietnam veterans and lead to discussion of current veterans' issues.



Jolanta Wawrzycka

Jolanta Wawrzycka is a professor in the Department of English. Her primary research interests include James Joyce and translation studies. She works with translations of Joyce's *Ulysses* into other languages, mainly French, Italian, Spanish, Polish and Russian. Her collaboration with Joyce scholars in Switzerland, Italy, Romania and Brazil yielded a few edited collections of essays on Joyce/Translation. Recently, she has contributed scholarship to two forthcoming books on Joyce and she is co-editing another. As a translator, she brought into English, among others, Roman Ingarden's treatise, *On Translation*; she translated poetry by Joyce and W. B. Yeats into Polish.

In her research, the context of translation merges with the issues of cultural memory; both are crucial critical frameworks that position Joyce at the crossroads of European literary and linguistic traditions. The fact that Joyce "lived in" English, Italian and French, allows her to approach his works in terms of performative and political engagement with language(s). He is a fascinating writer because, by writing *from* and *through* translation as a schoolboy and young man, and later *through* and *across* languages as a mature writer, he shows "English" to be deeply foreign (Anglo-Saxon, Latinate, etc.). While Joyce's experimental language presents obstacles to translators, his works, a site of competing linguistic conventions and traditions, offer a rich canvas for translation/language studies and for historical/memory research.

The Program for Ethics Training and Reform in International Scientific Enterprises (PETRISE) was formed under the leadership of Dr. Jay Caughron and Dr. Tay Keong Tan to better the world through the assessment, training and development of ethical practices in various scientific settings. PETRISE was created in response to an ethical phenomenon that is happening in many developing countries throughout the world. A gap has arisen due to a rapid expansion of technological and scientific advances that has quickly surpassed the bounds of current ethical practices and procedures. With this in mind, the program has developed the following objectives: 1) Development of training materials and diagnostic tools to strengthen integrity and accountability in research programs across the world, 2) Team preparation to deliver high-impact ethics training to researchers, research managers and professors of science and technology, in response to the diagnoses provided by aforementioned diagnostic materials, and 3) To pioneer hypothesis-driven and evidence-based approaches to ethics training and organizational interventions in developing countries by using team gathered diagnostic data. This program is intended to provide need specific guidance and support to several international research laboratories through ethics curriculum, training, and interventions.

In May of 2015, a Seed grant was awarded to assist the PETRISE team in the launch of this endeavor. One activity of this study was to have two groups of undergraduate students serving as consultants for two local non-profit organization. They diagnosed a problem, researched possible solutions and present their findings both in person and through a detailed report. Through this preliminary study, the PERTISE team is hoping to make a significant and lasting impact on an international level.



Dr. Jay Caughron

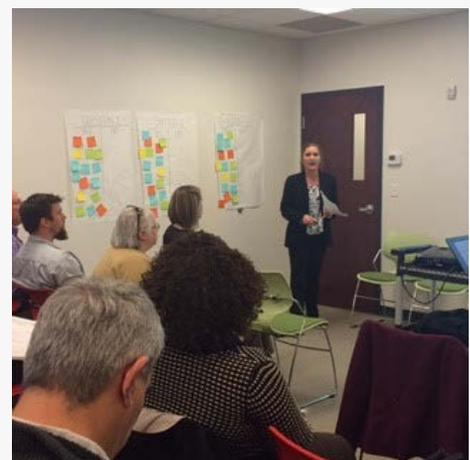
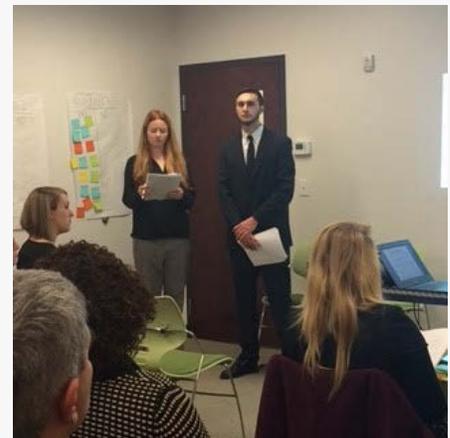


Dr. Tay Keong Tan



Dr. Shelly Wagers and Dr. Maggie Pate began working together on the project, *Evaluating Batterer Intervention Programs in the State of Virginia*, during the spring semester of 2015. This collaboration began with a simple conversation about research and has grown into several projects, as well as two (2) team-taught criminal justice elective courses (Fall of 2015 and anticipated Fall of 2016). The purpose of the project is to assist local treatment providers with impact assessment and modification of their batterer intervention programs (BIPs) when working with offenders sent for court-ordered treatment.

Drs. Wagers and Pate were awarded a Seed grant in May of 2015 to begin preliminary data collection. In order to assist the certification board, preliminary data was collected to assess current program curriculum along with current measures of success. The Seed grant also allowed Drs. Wagers and Pate to have the time to teach a team-taught evaluation research course in Fall 2015. This evaluation research course was also funded through the scholar citizen initiative. The students in this course worked alongside Drs. Wagers and Pate to collect the preliminary data from treatment providers and to analyze this data. Through this project, the students researched the challenges facing BIPs, as well as evidence-based recommendations that have proved fruitful in other jurisdictions and presented their findings through a technical report to the board. The entire semester culminated in the students also presenting their findings in person. This in-person presentation allowed the students to discuss their findings with treatment providers, as well as allowed treatment providers to discuss issues they face with one another through practical breakout sessions.





Dr. Bob Sheehy

Dr. Bob Sheehy is a professor in the Department of Biology. He has been at Radford since 1996 teaching Genetics, Evolutionary Biology, Molecular Forensics and Bioinformatics.

Dr. Sheehy's primary research interests are varied. His major focus is on the influence of landscape and environmental features on the genetic structure of populations. He is particularly interested in possible correlation between parasite/host genotypes in relation to landscape and topography, and has been collaborating with Dr. Jeremy Wojdak (Radford Department of Biology) and Dr. Lisa Belden (Virginia Tech) on developing molecular markers to study populations of the flatworm parasite *Echinostoma trivolvis* and its primary host, the Muskrat. Preliminary results indicate, not surprisingly, that river drainages tend to define Muskrat populations. Individuals from different drainages, which are relatively close, may show significant differences while individuals well separated in the same drainage show no significant divergence.

Dr. Sheehy is also collaborating with individuals at five other institutions in a five year National Science Foundation funded program to build QUBES Hub, a virtual space for collaboration between mathematicians and biologist. The QUBES (Quantitative Undergraduate Biology Education and Synthesis) Consortium's goal is to develop a collaborative workspace for improving undergraduate biology education.

Dr. Sheehy is also a huge fan of the two local vulture species, the Black Vulture (*Coragyps atratus*) and the Turkey Vulture (*Cathartes aura*). He and his students are studying the interaction within and among these species in locating and using food sources and the distribution of individuals at communal roosting sites. As part of their studies, they maintain a vulture feeding station at Selu Conservancy where vulture feeding may be observed on the Selu Carcass Cam.



Sponsored



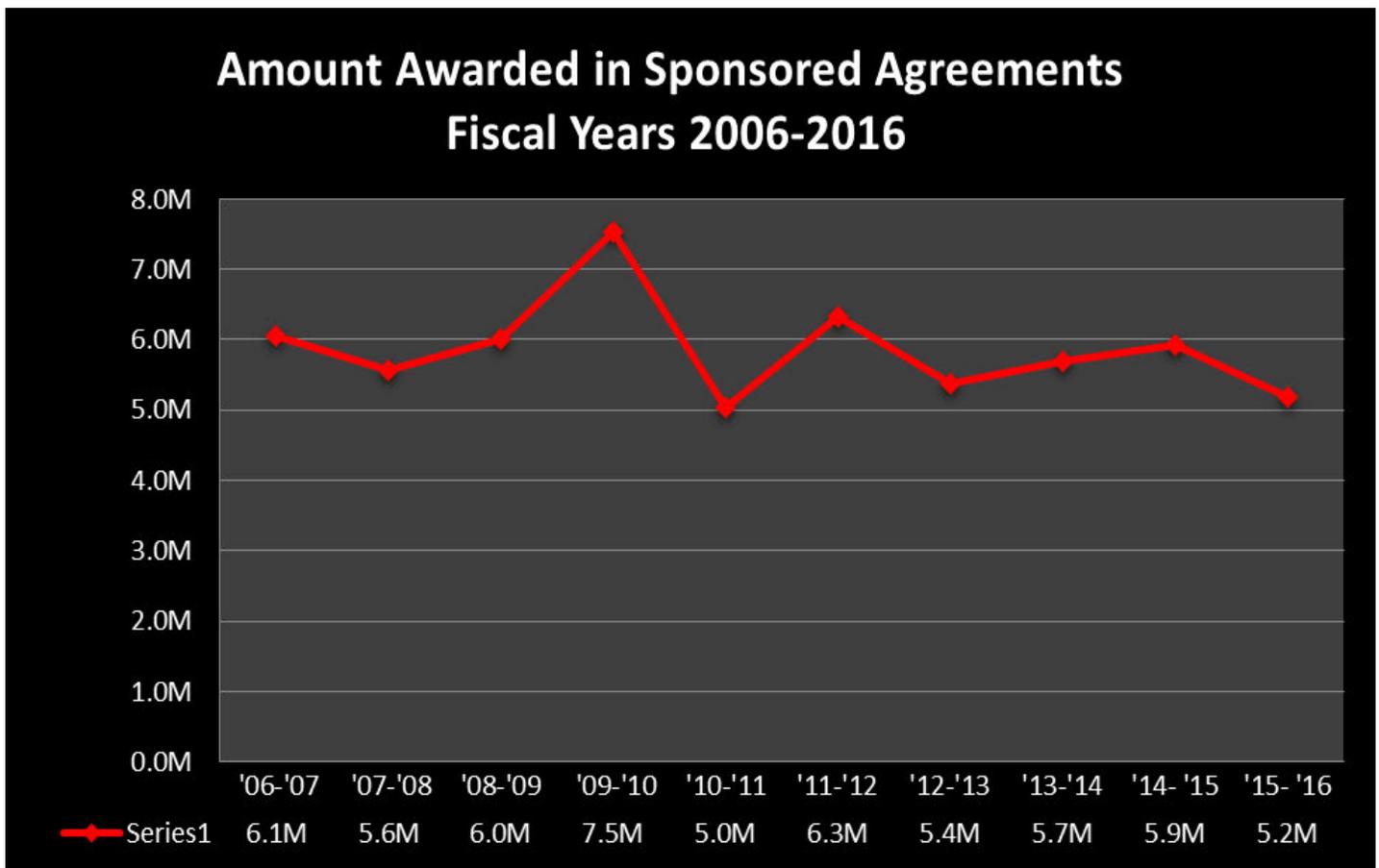
Activities

Total Awards by Year

Awards Received for FY 2016

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 16, forty-five (45) awards were received for a total of \$5,192,607 in external funding.

Our success may be seen in the following graph.

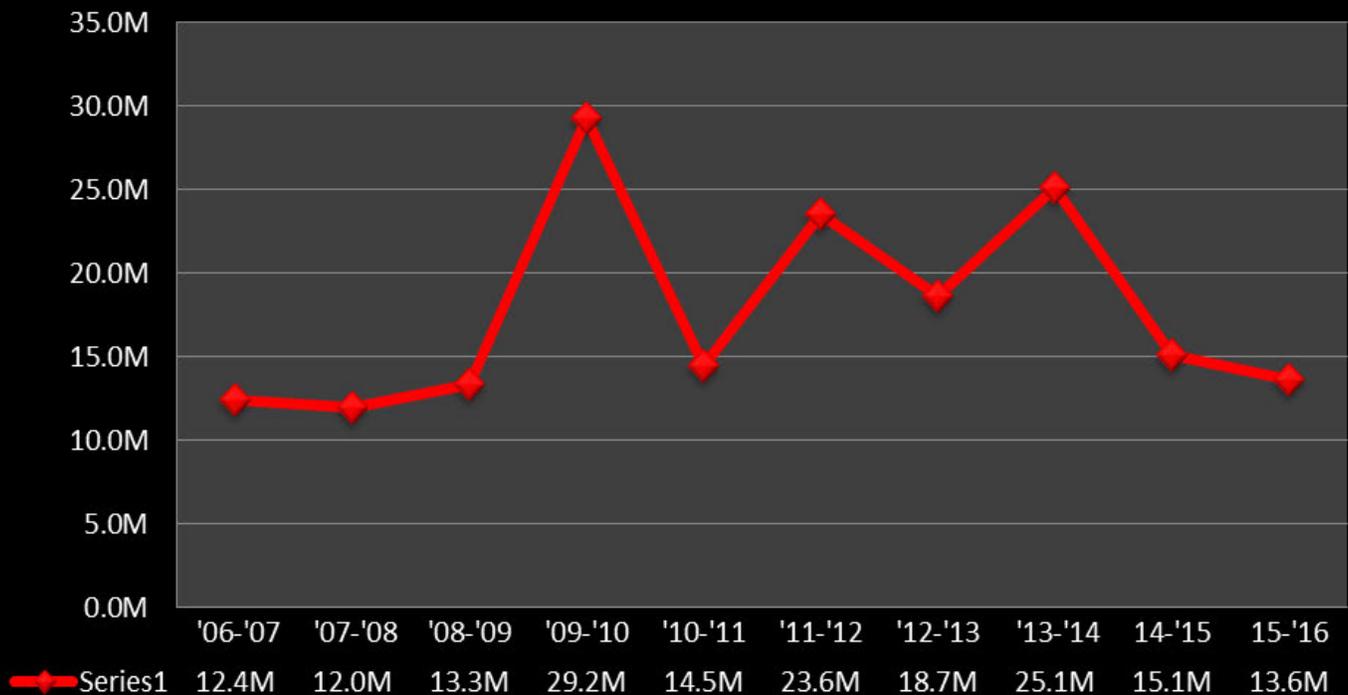


Total Submissions by Year

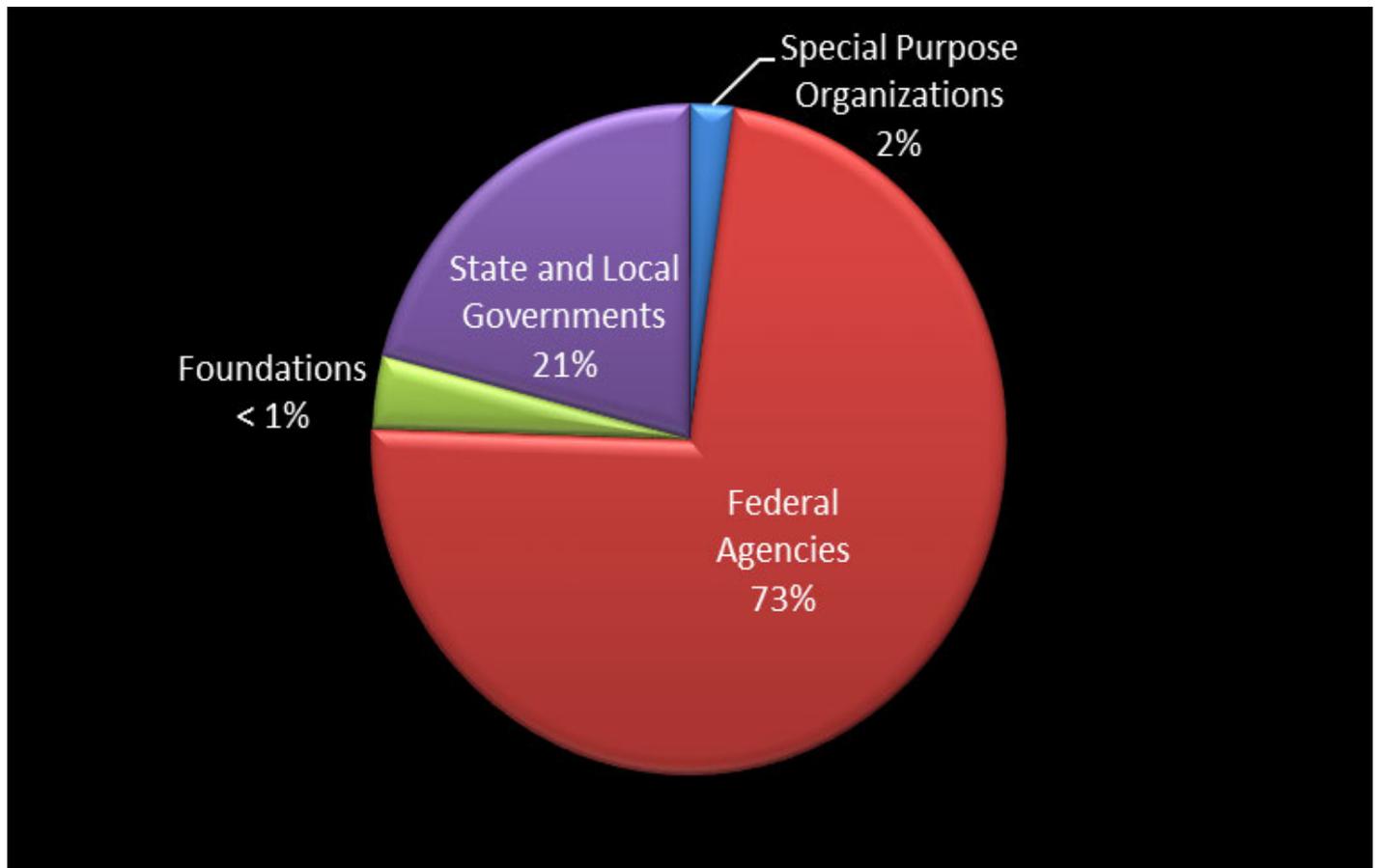
Proposal Submissions for FY 2016

During FY2016, our faculty, staff, and students requested a total of \$13,663,864 to further the research, outreach, and service of Radford University.

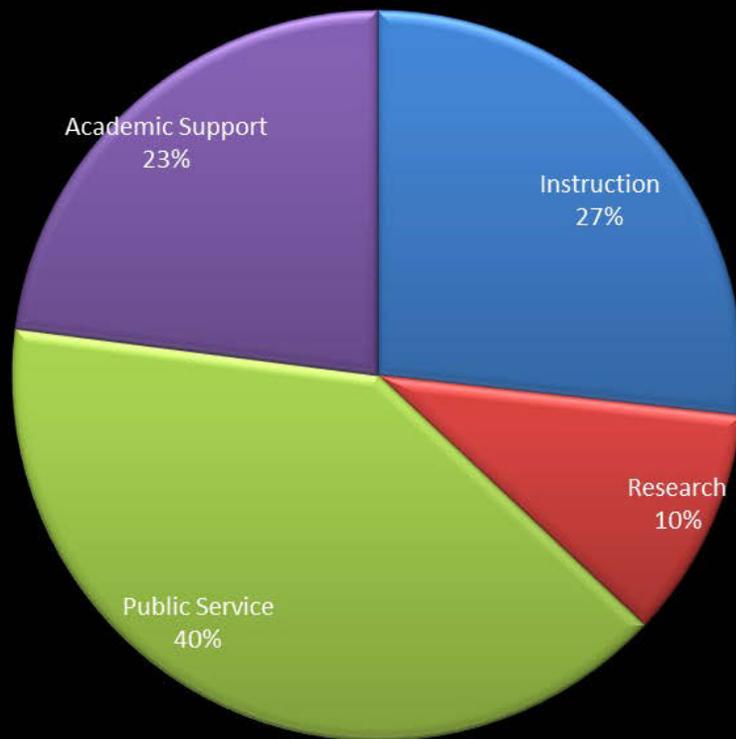
Amount Requested for Proposal Submissions Fiscal Years 2006-2016



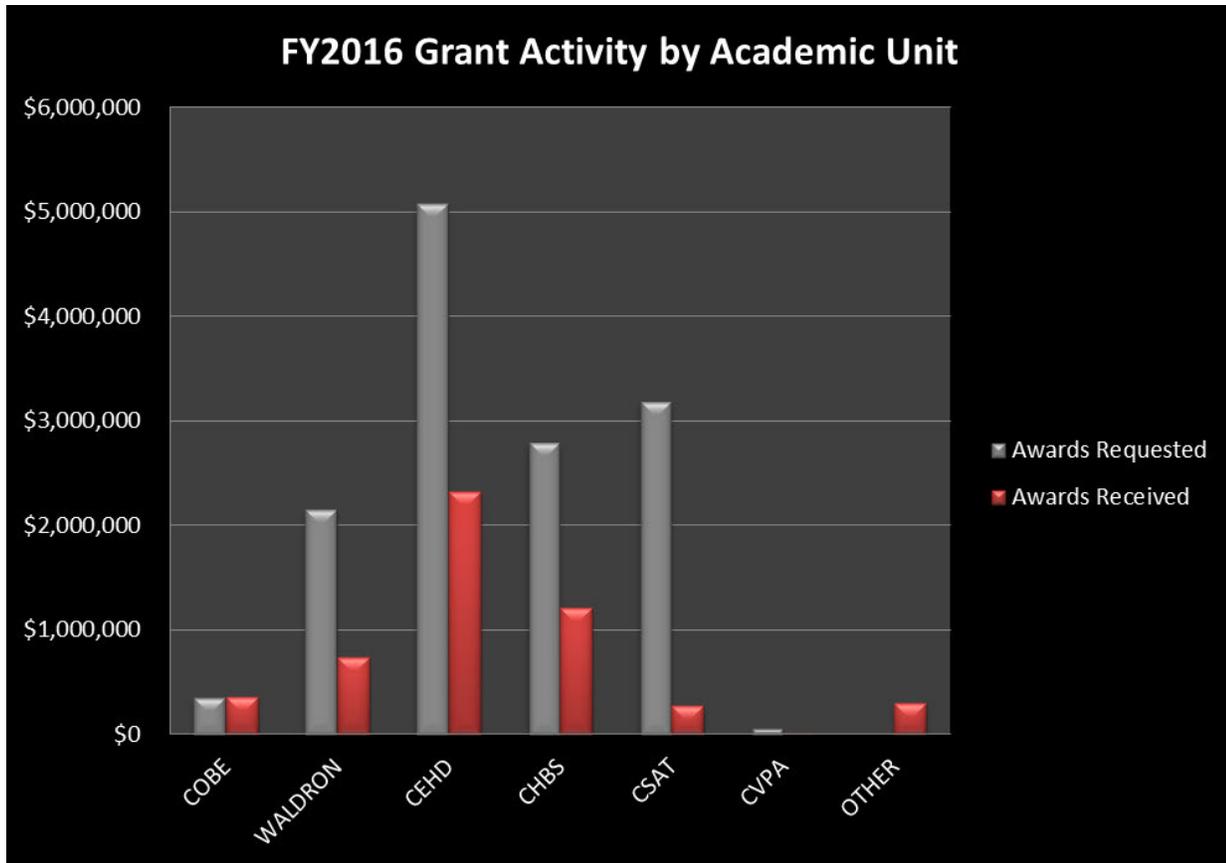
Awards by Funding



Awards by Source

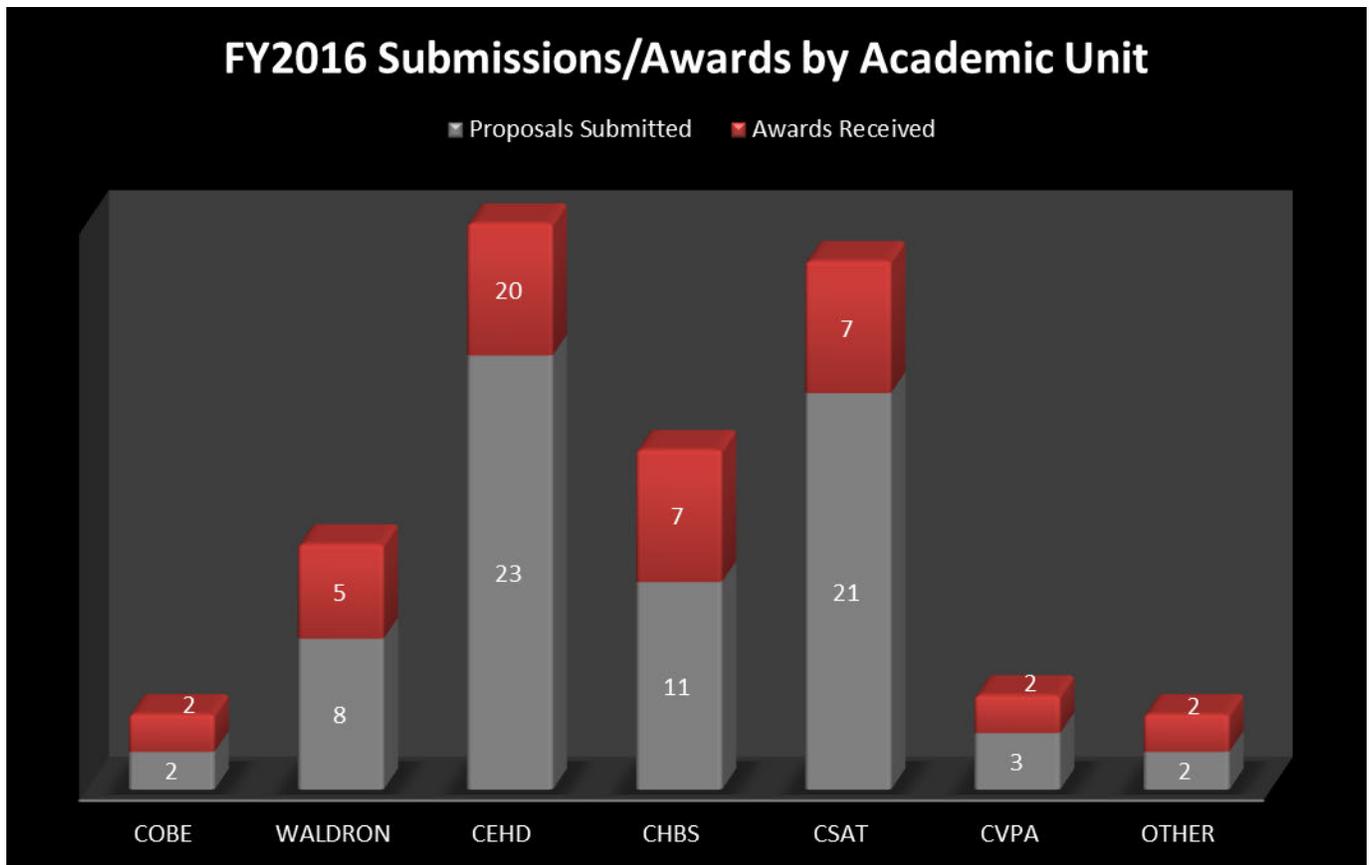


FY2016 Submissions &

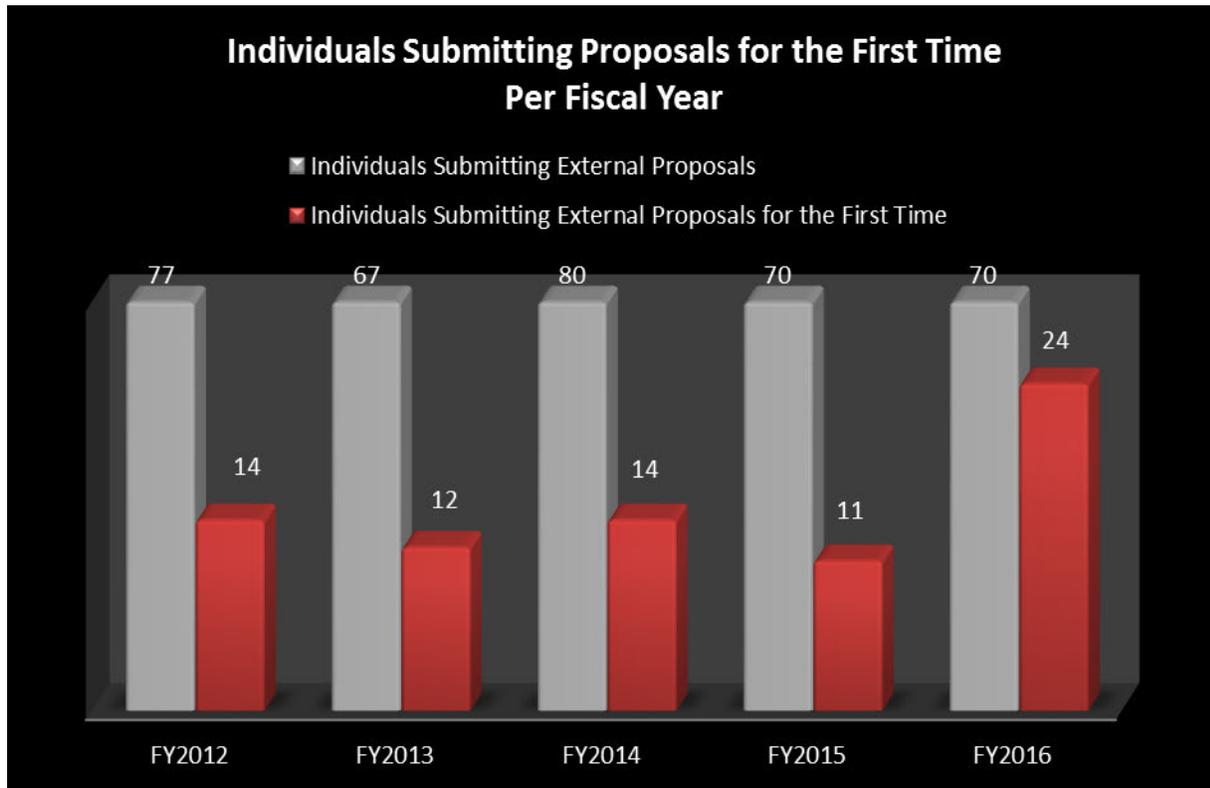


Department	Amount Requested	Amount Received
COBE	\$353,394	\$352,894
WALDRON	\$2,153,327	\$732,801
CEHD	\$5,081,531	\$2,323,430
CHBS	\$2,787,362	\$1,208,125
CSAT	\$3,187,557	\$270,514
CVPA	\$60,193	\$8,000
OTHER	\$10,500	\$296,843

Awards by Academic Unit



Submissions and Awards



External Submissions for FY2016

Waldron College of Health and Human Services

- Dr. Adrian Aron

College of Education and Human Development

- Dr. Darryl Corey
- Dr. Nadine Hartig

College of Humanities and Behavioral Sciences

- Dr. Jared Caughron
- Dr. Tonya Corbin
- Dr. Sarah Hastings
- Dr. Joanna Hunter
- Dr. Stephen Owen
- Dr. Margaret Pate
- Dr. Nicole Petersen
- Dr. Ruth Riding-Malon

- Dr. Tay Keong Tan
- Dr. Shelly Wagers
- Mr. Benjamin Wright

College of Science and Technology

- Dr. George Harakas
- Mr. David Horton
- Dr. Peter Christmas
- Dr. Joyce Caughron

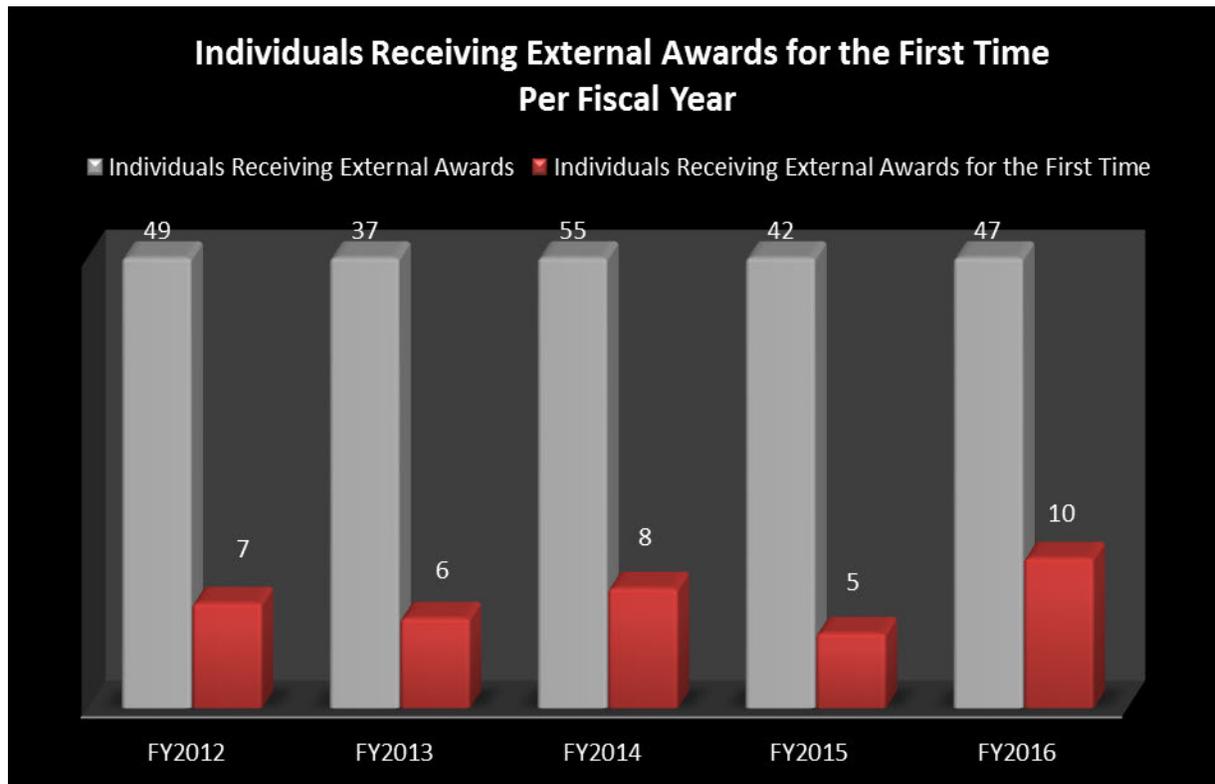
College of Visual and Performing Arts

- Dr. Carlee Bradbury
- Dr. Youngmi Kim

Other Departments

- Mr. Aaron Spelbring

By First Time Faculty



External Awards for FY2016

Waldron College of Health and Human Services

- Dr. Diane Hodge

College of Education and Human Development

- Dr. Darryl Corey
- Dr. Nadine Hartig

College of Humanities and Behavioral Sciences

- Dr. Tanya Corbin
- Dr. Sarah Hastings
- Dr. Stephen Owen
- Dr. Nicole Peterson

College of Science and Technology

- Mr. David Horton

College of Visual and Performing Arts

- Dr. Joseph O'Conner
- Dr. Youngmi Kim

Outreach

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

Below is a comprehensive list of outreach activities provided by our office in FY2016:

- Our Turn sessions for Finding Funding Opportunities with Pivot.
- Fall Grant Writing Workshop attended by 45 faculty in November 2015.
- Trained 50 faculty/students on Pivot, a database for finding funding opportunities.
- Grant 101 training session for Occupational Therapy Students.
- Two Training Sessions titled “*Maneuvering through the Grant Process*” for Psy.D. Students.
- *RU Discovery* newsletter with eight issues featuring an RU scholar.
- Monthly dissemination of the *Research Development & Grant Writing Newsletter*.
- Presentation in New Orleans, La. at the annual NCURA Conference PRA titled “*Seed Funding: A Successful Case Study*”



In the Fall of 2015, the Office of Sponsored Programs and Grants Management offered an all-day grant writing workshop on campus with Dr. Robert Porter, which was well received by the faculty. Dr. Porter offered two sessions during our event. In the morning, he did a workshop titled *Writing Successful Grants*. Later in the afternoon, he provided a workshop titled *Grants in the Humanities and Social Sciences*.

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. Nicole Hendrix—Criminal Justice

Dr. Riane Bolin—Criminal Justice

*The Role of Therapeutic Models on Life Course
Trajectories of Juvenile Delinquents*

\$15,904

Dr. Joe Chase—Information Technology

Dr. Prem Uppuluri—Information Technology

Dr. Tracy Lewis-Williams—Information
Technology

*Aware and Prepare: The Gamification of
Benevolent Hacking to Improve K-12 Cyber
Education*

\$19,592

Dr. Jason Davis—Biology

Dr. Iain Clelland—Management

Dr. Nathan Bicak—Interior Design

Dr. Andrew Ray—Information Technology

Dr. Laurie Bianchi—Nutrition & Dietetics

*BioTransformer: Interdisciplinary Development of
an Automated Food Waste and Invertebrate
Conversion System for Aquaponic Food
Production*

\$22,375

Dr. Judy Guinan—Biology

Dr. Jason Davis—Biology

Dr. Sarah Foltz—Biology

Dr. Andrew Ray—Information Technology

*Smart Feeder: Combining biology and computer
science to develop a microcomputer-enabled bird
feeder network to explore novel questions in
behavioral ecology*

\$8,006

Seed Grants Impacting the



Dr. Parvinder Sethi

Dr. Parvinder Sethi was awarded a seed grant in the Spring of 2015 to use technology with GigaPan images for designing quantitative, hypothesis-driven, virtual geology field-trips for use by geoscience undergraduates to help cultivate critical-thinking in students.

The GigaPan imagery instrumentation was jointly developed by NASA and the Robotics Institute at Carnegie Mellon University for equipping the Mars mission (Curiosity and Rover) for beaming back detailed images of the Martian landscape. Dr. Sethi is adapting this technology for studying harsh terrains here on Earth. These landscapes are not easily accessible due to either their physical location or the financial cost to reach those areas. By taking these images, they can be brought back to the Radford University classroom which allows students the opportunity to study the terrains as if they were at that location.



Classroom through Research

One of the terrains that Dr. Sethi is passionate about are the glaciers. Most particularly, he has been studying the Exit and Matanuska glaciers in Southern Alaska for the past two decades. By studying these glaciers, students can visual see the impacts of global climate change by the rapidly-retreating and even disappearing glaciers. This research allows the students to see actual scientific data and facts associated with global warming.

Over the past summer, Dr. Sethi and his undergraduate research assistant, Dylan Philippart, began the process of taking hundreds to thousands of high-resolution images with a programmable interface robot and stitching them seamlessly to one ultra high-resolution panoramic image via software in the Geology laboratory. These images will allow students to not only explore the glacial landscapes but take measurements of glacial features virtually and generate data. The data collected by the students will allow them to test their own hypothesis. For Dr. Sethi, this is a process that will help communicate the core of how the scientific method works.

Through Dr. Sethi's passionate research, he hopes by using statistics with graphic, time-lapse images it will make a lasting impression in the minds of people, so they will begin to change their behaviors and turn around this environmental disaster of global warming.



Million Dollar Circle

The Million Dollar circle program recognizes members of the Radford University 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 accomplishments 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 Radford University community who achieved this honor:

Dr. Margaret Devaney
Dean of the College of Visual and Performing Arts
\$1,486,665

Dr. Katherine Hawkins
Dean of College of Humanities and Behavioral Sciences
\$1,485,015

Dr. Paul Thomas
Philosophy and Religious Studies
\$1,485,015

Proposal Submissions

Altieri, Elizabeth, STEL. George Mason University (flow-through from VDOE and ED). \$26,915. *Visual Impairment Grant 16-17*. 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. \$4,471. *2016 UEB Literary and Technical Training Institute*. This proposal is to train Virginia teachers of students with visual impairments, teacher licensure candidates, and other Virginia stakeholders on updates to literary, technical transcriptions, and methods to provide exceptional material production for Virginia students with blindness and visual impairment.

Altieri, Elizabeth, STEL. George Mason University (flow-through from VDOE). \$63,000. *Severe Disabilities Grant 2016-2017*. 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 VDOE and ED). \$8,250. *Visual Impairment Grant*. 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. Co-PI: **Karen Stinson**, STEL. Virginia Department of Education. \$24,000. *Educational Interpreter Professional Development*. The purpose of this proposal is to provide full-time undergraduate and graduate programs leading to licensure in Hearing Impairment, PreK-12.

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 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. \$24,000. *Educational Interpreter Professional Development 2016-2017*. The purpose of this proposal is to provide full-time undergraduate and graduate programs leading to licensure in Hearing Impairment, PreK-12.

Anderson, Justin, Biology. American Society for Microbiology. \$450. *Examination of Intestinal Bacteria of Mosquitoes in the Amazon Rain Forest*. This proposal is for a stipend for a student to conduct a research study.

Anderson, Justin, Biology. Co-PI: **Sara O'Brien**, Biology. National Institutes of Health. \$368,336. *Exploring ZIKV Transmission as Impacted by Environmental Contaminants*. This proposal seeks to explore the influence of the environment on mosquito-borne viruses transmission.

Aron, Adrian, Physical Therapy. The ResMed Foundation. \$92,858. *Clinical Research Proposals*. This proposal is to study whether cardiac rehabilitation patients with obstructive sleep apnea receiving automatic positive airway pressure treatment will demonstrate improved vascular function and cardiac rehabilitation outcomes in comparison to those patients with OSA not adherent to the treatment.

Barris, Roann, Art. Samuel H. Kress Foundation. \$30,000. *Interpretive Fellowship at Art Museums*. This proposal is to fund a supervised internship in the art museum at Radford University for a Kress Interpretive Fellowship.

Bays, Debora, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education (flow-through from ED). \$309,985. *Adult Education State Leadership Program 15-16*. The proposed project has a primary goal of increasing the number of fully licensed special educators in the area of Special Education– General Curriculum.

Bays, Debora, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education (flow-through from ED). \$35,257. *EL/Civics 15-16*. 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.

Bierman, Vicki, Nursing. Health Resources and Services Administration. \$877,290. *REACHING: Redefining Education and Access through Holistic Interventions*. The purpose of the proposed project is to increase access and services to a population of uninsured individuals within a Free Clinic setting that demonstrates high mortality and morbidity rates due to chronic diseases and mental health issues.

Blanks, Allyster "Brooke", STEL. Virginia Department of Education. \$26,533. *RU Special Education: General Curriculum K-12 Traineeship Grant 15-16*. The primary goal of this proposal 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.

Blanks, Allyster "Brooke", STEL. Virginia Department of Education. \$29,220. *RU Special Education: General Curriculum K-12 Traineeship Grant 16-17*. 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.

Bradbury, Carlee, Art. National Endowment for the Humanities. \$29,693. *Using Princesses: Creating Context and Fostering Empowerment*. This interdisciplinary proposal will examine problems and possibilities of the princess as a media icon for young people, from representation in fairy tales and legends to contemporary animated films and shows by redefining princesses through an educational website and interactive digital game.

Burggraf, Virginia, Nursing. Health Resources and Services Administration. \$68,030. *Advanced Education Nursing Traineeship HRSA*. The purpose of this proposal is to increase the nurse practitioner providers in medically underserved rural areas of southwestern Virginia by providing six part-time DNP student traineeship awards.

Burriss, Theresa, Appalachian Studies. East Tennessee State University (flow-through from Appalachian Regional Commission). \$4,500. *Appalachian Teaching Project 15-16*. This proposal 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?"

Byrd, Anthony, Business Assistance Center. George Mason University (flow-through from SBDC and SBA). \$342,894. *2016 Small Business Development Center*. This proposal requests funds to manage the Small Business Development Center programs in southwest Virginia.

Caughron, Jared, Psychology. Co-PI: **Tay Keong Tan**, Political Science, and **Joyce Caughron**, Biology. National Science Foundation. \$399,990. *Institutional Transformation: Ethics Training and Research for Developing Nations*. The purpose of this proposal is to advance knowledge of ethical problems scientists face in developing nations and offer training to help advance research ethics in these locations.

Chase, Joseph, Information Technology. Co-PI: **Prem Uppuluri**, Information Technology. National Security Agency. \$29,413. *RU Scholar: Radford University's Capture the Flag Cyber Defense Contest for Students*. This proposal is to provide scholarships for tuition and fees for students on the top three teams in the yearly RUSecure: Cyber Defense Capture the Flag Contest.

Christmas, Peter, Biology. National Institutes of Health. \$249,071. *CYP4F3 Expression and Inflammation Regulation in Human Liver Cells*. The aim of this project is to investigate the expression and function of CYP4F3 under different conditions, and to assess its potential as a target for pharmaceutical intervention.

Cohn, Tracy, Psychology. Radford University Foundation, Inc. \$12,500. *Strengthening Integrated Behavioral Health and Primary Care at the Free Clinic of the New River Valley (Year Three)*. This proposal is to provide direct treatment by a Licensed Clinical Psychologist in serving uninsured, indigent patients of the New River Valley and in overseeing a longitudinal, multi-site evaluation of the model of Integrated Care used at the Community Health Center of the New River Valley.

Cohn, Tracy, Psychology. Radford University Foundation, Inc. \$45,000. *Integrated Health Care*. This proposal is to expand the behavioral health and integrated services at the Community Health Center of the New River Valley by adding two additional doctoral students and increasing the number of direct psychological services, including psychotherapy and psychological testing.

Colley, Kenna, STEL. Advance Education, Inc. \$68,973. *Advance Education, Inc.: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement (SACS CASI)*. This proposal is for Radford University to house and be fiscal agent for the Advance Education, Inc.

Colley, Kenna, STEL. Co-PI: **Virginia Bussey**, STEL and **Leslie McArthur-Fox**, STEL. Virginia Department of Education (flow-through from ED). \$1,462,451. *Training and Technical Assistance Center (TTAC) 2016-2017*. The Virginia Department of Education's statewide projects with TTAC provide professional development and support designed to assist schools in addressing accountability and improvement goals for students with disabilities.

Corey, Darryl, CEHD-MS Education Mathematics. Co-PI: **Laura Jacobsen**, Graduate Studies & Research, and **Agida Manizade**, Mathematics and Statistics. National Science Foundation. \$1,834,166. *DD: Preparing Teachers for a Changing World: Improving STEM+C in Secondary Mathematics Instruction Project*. The purpose of this proposal is to prepare mathematics teachers, through a collaborative effort, to facilitate students' computational thinking and cultivate their interest in STEM+C.

Cox, Kenneth, Dean of Waldron College of Health and Human Services. Radford University Foundation, Inc. \$13,457. *Audiology Services Carolot*. This proposal is to provide audiology services to low income patients.

Dove, Anthony, Mathematics and Statistics. Co-PI: **Jennifer Mabry**, Psychology, and **Glenna Gustafson**, STEL. National Science Foundation. \$586,742. *FLIPS: Flipped Learning's Impact on Pedagogy in STEM*. This project will examine the impact of modifying instructional practices by implementing flipped learning in introductory STEM courses on students' two-year retention rates, academic achievement, and perceptions about mathematics and science.

Duncan, Thomas, Economics. Charles Koch Foundation. \$10,500. *Guest Speaker Program*. This proposal is to sponsor a lecture series, reading group and student travel for conferences.

Francl-Powers, Karen, Biology. U.S. Fish & Wildlife Service. \$16,066. *Continued Monitoring of Two Gray Bat (*Myotis grisescens*) Summer Colonies in Southwestern Virginia*. This proposed project is to collaborate with VADCR/Natural Heritage and VDGIF to monitor endangered gray bats in southwest Virginia.

Francl-Powers, Karen, Biology. Virginia Department of Game and Inland Fisheries. \$20,000. *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 Department of Game and Inland Fisheries. \$20,000. *Bat Surveys in Virginia 16-17*. 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. Co-PI: **Christine Small**, Biology. Radford Army Ammunition Plant. \$4,709. *Plant Response to Prescribed Fire at RFAAP*. The purpose of this proposal is to determine and inventory the herbaceous plant species in four planned burn units of the Radford Army Ammunition Plant.

Galeshi, Roofia, CEHD-MS Education Mathematics. National Science Foundation. \$462,926. *NSF CAREER: An Investigation of Expertise Teaching in Capstone Environment*. This five-year career project focuses on integrating research into education by exploring instructors' expertise in teaching capstone courses to pre-service mathematics teachers.

Galeshi, Roofia, CEHD-MS Education Mathematics. Virginia Tech. \$2,000. *4-VA: Universities Collaborating to Achieve Virginia's Goals for Higher Education*. This proposal is to advance initiatives to increase the number of college graduates, especially in fields important to Virginia's economic development.

Galeshi, Roofia, STEL. Virginia Tech (flow-through from NSF). \$41,104. *NSF: Engineering and System Design*. The main objective of this project is to search for new ways of enhancing creativity during the conceptual phase of architectural and industrial design.

Gilbert, Sarah, Nursing. Co-PI: **Benjamin Wright**, Criminal Justice. Administration for Community Living. \$387,299. *Providing Resources to Older Adults through Education, Assessment, Coordination and Training*. The goal of this proposal is to create current and on-going interprofessional dialogue in the New River Valley, Virginia surrounding the issue of self-neglect through providing continuing education, simulation training, policy development, and research.

Gilbert, Sharon, 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 project is to address the critical shortage of Virginia licensed teachers who carry endorsement in Early Childhood Special Education.

Harakas, George, Chemistry. American Chemical Society PRF. \$70,000. *Synthesis and Characterization of Homopolymetallic and Heteropolymetallic Xenophilic Transition Metal Clusters for their Evaluation in Catalysis, Organic Synthesis, and Precursors for the Generation of Nanoparticles*. This proposed project is to synthesize and characterize new Xenophilic transition metal clusters containing a fragment on the Werner metal. These Xenophilic transition metal clusters will be investigated to determine if they have the ability to act as homogeneous catalysts in organic synthesis.

Harakas, George, Chemistry. Marine Maritime Academy. \$25,806. *Synthesis and Characterization of Xenophilic Transition Metal Clusters and Related Compounds for Evaluation in Transportation Related Technologies*. The purpose of this project is to synthesize and characterize new Xenophilic transition metal clusters [Mn(L)₂] fragment on the Werner metal, where L=tetrahydrofuran or a similar cyclic ether ligand.

Hartig, Nicole, Counselor Education. Radford University Foundation, Inc. \$9,178. *Increasing Social Emotional Learning and Competencies in Elementary Children with Emotional Dysregulation, High Emotional Needs and Low Academic Performance*. This proposal request funds for a series of psychoeducational counseling designed to identified students who are struggling with issues of anxiety, emotional containment, and low academic performance to provide them with counseling.

Hastings, Sarah, Psychology. Health Resources and Services Administration. \$862,627. *The Rural Integrated Care Expansion Project*. The goal of this project is to expand practicum training positions for doctoral students in psychology to enable eight students per year to develop skills to practice in rural underserved integrated primary care settings.

Hendrix, Nicole, Criminal Justice. Co-PI: **Corbin, Tanya**, Political Science. Radford University Foundation, Inc. \$5,000. *Community Resilience within the City of Radford*. This feasibility study will examine the disaster preparedness and mitigation needs in the City of Radford.

Hodge, Diane, Social Work. Virginia Department of Social Services. \$215,552. *Recruitment and Development of Professionally Trained Workforce in the field of Child Welfare (CWSP)*. The purpose of this proposal is to promote the recruitment and development of a professionally trained workforce that will pursue a career in child welfare.

Hoover, Kathryn, STEL. Virginia Department of Education (flow-through from ED). \$45,000. *Virginia Consortium for Teacher Preparation in Early Childhood Special Education Supplement*. 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: **Pierson, Kathleen**, STEL. Virginia Department of Behavioral Health and Developmental Sciences (flow-through from ED). \$115,876. *Infant and Toddler Connection 2016-2017 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: **Pierson, Kathleen**, STEL. Virginia Department of Behavioral Health and Developmental Sciences (flow-through from ED). \$208,226. *Infant and Toddler Connection 2016-2017 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.

Hunter, Joanna, Sociology/Anthropology. IDEAS42. \$95,375. *Peaceline Plus Program: Stand Up! Speak Up!* The goal of this program is to increase the likelihood that student bystanders will intervene when they witness abusive or harassing behaviors.

Kim, Youngmi, Music. Virginia Opera. \$500. *Virginia Opera*. This proposal is for the Virginia Opera to perform *Deep River* at Radford University.

King Ingham, Alice, Social Work. Virginia Department of Social Services (flow-through DHHS). \$198,841. *Community Resource Adoptive Foster Family Training (CRAFFT) 2016-2017*. The purpose of this proposal is 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. \$252,862. *Three-Dimensional Virtual and Physical Molecular Modeling in Chemical and Biological Education*. This proposal is to develop and assess the efficacy of instructional materials that allow instructors to easily incorporate computational molecular modeling and three-dimensional printing into their classrooms.

Maxwell, R. Stockton, Physical Science. Indiana State University (flow-through USDA). \$67,148. *North American Dendroecological Fieldweek*. The purpose of this proposal is to study tree-ring growth in the eastern US in regards to the apparent deteriorating relationship between radial tree growth and soil moisture.

Maxwell, R. Stockton, Physical Science. Indiana University (flow-through NSF). \$63,545. *Fading Drought*. This proposal is to co-organize and instruct the annual workshop for the North American Dendroecological Field Week.

Maxwell, R. Stockton, Physical Science. University of Southern Mississippi (flow-through NSF). \$113,005. *Project EastNet: Paleo-Perspectives on Hydroclimate Variability across the Eastern U.S.* This project proposes to investigate the decadal to multi-decadal variability of hydrology and regulatory climate teleconnections across the East over the past ca. 500-1,000 years, and assess how these changes might affect the sustainable allocation of water to large population centers.

Maxwell, Stockton R., Physical Science. Indiana State University (flow-through NSF). \$67,561. *North American Dendroecological Fieldweek*. The purpose of this proposal is to study tree-ring growth in the eastern US in regards to the apparent deteriorating relationship between radial tree growth and soil moisture.

Pate, Margaret, Criminal Justice. Co-PI: **Shelly Wagers**, Criminal Justice. National Institute of Justice. \$149,782. *Exploring the Lived Experiences of Couples Who Have Gone Through a Recent Episode of Domestic Violence*. This proposed project is a qualitative approach to exploring the lived experiences of adult couples who have gone through an episode of domestic violence with an index partner court-ordered to a Batterer Intervention Program.

Petersen, Nicole, Psychology. ACT, Inc. \$45,331. *Development and Initial Piloting of the SJT*. This proposal is to assist in the development and initial piloting of a situational judgment test of college students' interpersonal skills.

Ramsey, Anthony, Nursing. Virginia Tobacco Commission. \$300,000. *Radford University School of Nursing RN to BSN*. The purpose of this proposal is for the Radford University School of Nursing to partner with the Tobacco Commission to expand the RN to BSN program in the Tobacco region to increase the number of nurses with bachelor degrees and improve access to healthcare.

Riding-Malon, Ruth, Psychology. National Institutes of Health. \$364,246. *Pathways to Protective: Methodologies to Enhance Resilience in the Face of HIV*. The focus of this grant is to examine the psychological and social mechanisms within and between individuals which facilitate resilience.

Rogers, Orion, Dean of College of Science and Technology. Co-PI: **David Horton**, College of Science and Technology. Radford University Foundation, Inc. \$81,621. *Summer Bridge 2016-2017*. This proposal is to host a week-long residential STEM program for rising sophomore, junior and senior high school girls interested in science, technology, and mathematics.

Spelbring, Aaron, Library. National Endowment for the Humanities. \$6,000. *RU McConnell Library Archives Bragg New River Coalfields Photographic Collections Preservation Assessment*. This proposal is to hire the services of a conservation consultant to perform a preservation assessment on its George and Melody Bragg New River Coal Fields Photographic Collections.

Swing, Jane, STEL. Co-PI: **Debora Bays**, STEL. Virginia Department of Correctional Education. \$12,000. *Partnership with DOC for VAILL Participants*. This proposal 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. \$769,511. *2016 (FY 2017) 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, **Jeffrey Pittges**, Information Technology, **Stephen Owen**, Criminal Justice, **Donna Boyd**, Forensic Science Institute, and **Clifford Boyd**, Forensic Science Institute. National Science Foundation. \$665,930. *Prepare, Inspire and Recruit Cyber Citizens (PIRC): Developing the Next Generation of Cyber Citizens and Computer Science Majors*. This proposal is to introduce middle/high school students, teachers and non-IT undergraduates to IT "fundamentals and careers" through a cyber-security curriculum that is accessible but at the same time exciting, intellectually stimulating and rigorous.

Uppuluri, Prem, Information Technology. Co-PI: **Joseph Chase**, Information Technology, **Jeffrey Pittges**, Information Technology, **Stephen Owen**, Criminal Justice, **Donna Boyd**, Forensic Science Institute, and **Clifford Boyd**, Forensic Science Institute. National Security Agency. \$49,861. *Scare, Prepare and Dare (Phase 4): Inspiring, Preparing High School Students and Nurturing their Passion for Cyber-Security*. The goal of this project is to spark and nurture a passion for computer security among middle and high school students and in the process inspire them to pursue information technology or computer science as a major in college.

Van Patten, Isaac, Criminal Justice. City of Roanoke, Virginia. \$38,000. *Roanoke Police Department*. This proposal 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.

Wojdak, Jeremy, Biology. National Science Foundation. \$136,585. *Collaborative Research: Linking Predator Functional Diversity to Prey Dynamics Through the Functional Response*. This proposal is to develop a novel framework for predicting the consequences of changes in predator diversity.

Wojdak, Jeremy, Biology. National Science Foundation. \$298,846. *Biology undergraduate Mathematics Attitudes and Anxiety Program (BioMAAP)*. This proposal proposes to design, implement, and assess interventions to help undergraduate biology majors improve their attitudes and anxiety towards mathematics.

Awards

Altieri, Elizabeth, STEL. George Mason University (flow through from VDOE and ED). **\$4,471**. *2016 UEB Literary and Technical Training Institute*. This grant is to train Virginia teachers of students with visual impairments, teacher licensure candidates, and other Virginia stakeholders on updates to literary, technical transcriptions, and methods to provide exceptional material production for Virginia students with blindness and visual impairment.

Altieri, Elizabeth, STEL. George Mason University (flow-through from VDOE and ED). **\$3,127**. *Visual Impairment Grant 2013-2014 Supplement*. 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 University (flow-through from VDOE). **\$26,915**. *Visual Impairment Grant 2015-2016*. 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 University (flow-through from VDOE and ED). **\$8,250**. *Visual Impairment Grant 14-15 Supplement*. This supplemental 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 University (flow-through from VDOE). **\$63,000**. *Severe Disabilities Grant 2015-2016*. This grant is for funding to teach one or two courses as part of the Virginia Department of Education Statewide Training Consortium.

Altieri, Elizabeth, STEL. Co-PI: **Karen Stinson**, STEL. Virginia Department of Education (flow-through from VDOE). **\$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. Co-PI: **Karen Stinson**, STEL. Virginia Department of Education (flow-through from VDOE). **\$24,000**. *Educational Interpreter Professional Development*. This grant is for project faculty and staff to provide full-time undergraduate and graduate programs leading to licensure in Hearing Impairment, PreK-12.

Anderson, Justin, Biology. American Society for Microbiology. **\$1,500**. *Examination of Intestinal Bacteria of Mosquitoes in the Amazon Rain Forest*. This grant is for a stipend for a student to do research.

Bays, Debora, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education (flow-through from ED). **\$309,985**. *Adult Education State Leadership Program 15-16*. The purpose of this cooperative agreement between the Office of Adult Education and Literacy 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.

Bays, Debora, STEL. Co-PI: **Jane Swing**, STEL. Virginia Department of Education (flow-through from ED). **\$35,257**. *EL/Civics 15-16*. This grant is for the Office of Adult Education and Literacy at Radford University 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.

Bays, Debora, STEL. Co-PI: **Jane Swing**, 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.

Bierman, Vicki, School of Nursing. Health Resources and Services Administration. **\$247,951**. *Advanced Nursing Education CARE*. This grant is to engage advanced practice nursing students, other health care students, and professionals in an interprofessional collaborative practice model that will address chronic illness, behavioral health, and continuing education.

Blanks, Allyster "Brooke", STEL. Virginia Department of Education. **\$25,988**. *RU Special Education: General Curriculum K-12 Traineeship Grant 15-16*. This grant is to increase the number of educators in Virginia who are endorsed in Special Education: General Curriculum, K-12. This project 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.

Burriss, Theresa, Appalachian Studies. East Tennessee State University (flow-through from Appalachian Regional Commission). **\$4,500**. *Appalachian Teaching Project 15-16*. 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?"

Byrd, Anthony, Business Assistance Center. George Mason University (flow-through from SBDC). **\$342,894**. *2016 Small Business Development Center*. This grant provides funds to manage the Small Business Development Center programs in southwest Virginia.

Cohn, Tracy, Psychology. Radford University Foundation, Inc. **\$12,500**. *Strengthening Integrated Behavioral Health and Primary Care at the Free Clinic of the New River Valley (Year Three)*. This proposal is to provide direct treatment by a Licensed Clinical Psychologist in serving uninsured, indigent patients of the New River Valley and in overseeing a longitudinal, multi-site evaluation of the model of Integrated Care used at the Community Health Center of the New River Valley.

Cohn, Tracy, Psychology. Radford University Foundation, Inc. (flow-through from Jessie Ball duPont Foundation, Inc.) **\$45,000**. *Integrated Health Care*. This grant is to expand the behavioral health and integrated services at the Community Health Center of the New River Valley by adding two additional doctoral students and increasing the number of direct psychological services, including psychotherapy and psychological testing.

Colley, Kenna, STEL. Advance Education, Inc. **\$68,973**. *Advance Education, Inc: Virginia Southern Association of Colleges and Schools Council for Accreditation and School Improvement (SACS CASI)*. This grant is for Radford University 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.

Colley, Kenna, STEL. Co-PI: **Virginia Bussey**, STEL; and **Leslie McArthur-Fox**, STEL. Virginia Department of Education (flow-through from ED). **\$850,318**. *Training and Technical Assistance Center (TTAC)*. This grant is for funding for the Training and Technical Assistance Center, which provides professional development and supports design to assist schools in addressing accountability and improvement goals for students with disabilities.

Corey, Darryl, CEHD-MS Education Mathematics. Co-PI: **Roofia Galeshi**, CEHD-MS Education Mathematics; **Agida Manizade**, Mathematics and Statistics; **Rayya Younes**, STEL; and **Laura Jacobsen**, Graduate/Professional Studies. Virginia Department of Education (flow-through from ED). **\$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.

Cox, Kenneth, Communication Sciences and Disorders. Radford University Foundation, Inc. **\$13,457**. *Audiology Services Carlot*. This grant is to provide audiology services to low income patients.

Duncan, Thomas, Economics. Charles Koch Foundation. **\$10,000**. *Guest Speaker Program*. This grant funds a guest speaker and a reading group program.

Ely, Linda, School of Nursing. Virginia Tech (flow through SAMHSA). **\$57,000**. *SBIRT Training for Students in Health Profession in Rural SW VA*. This grant 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 (White Nose Surveillance and Monitoring). **\$20,000**. *Bat Surveys in Virginia 15-16*. 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 Department of Game and Inland Fisheries (White Nose Surveillance and Monitoring). **\$20,000**. *Bat Surveys in Virginia 16-17*. 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.

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Hartig, Nadine, Counselor Education. Radford University Foundation, Inc. **\$9,178**. *Increasing Social Emotional Learning and Competencies in Elementary Children with Emotional Dysregulation, High Emotional Needs and Low Academic Performance*. This grant provides funds for a series of psychoeducational counseling designed to identified students who are struggling with issues of anxiety, emotional containment, and low academic performance to provide them with counseling.

Hastings, Sarah, Psychology. Health Resources and Services Administration. **\$292,784**. *The Rural Integrated Care Expansion Project*. The goal of this project is to expand practicum training positions for doctoral students in psychology to enable eight students per year to develop skills to practice in rural underserved integrated primary care settings.

Hendrix, Nicole, Criminal Justice. Co-PI: **Tanya Corbin**, Political Science. Radford University Foundation, Inc. **\$5,000**. *Community Resilience within the City of Radford*. This feasibility study will examine the disaster preparedness and mitigation needs in the City of Radford.

Hodge, Diane, School of Social Work. Virginia Department of Social Services. **\$215,552**. *Recruitment and Development of Professionally Trained Workforce in the Field of Child Welfare (CWSP)*. This grant is to promote the recruitment and development of a professionally trained workforce that will pursue a career in child welfare.

Hoover, Kathryn, STEL. Virginia Department of Education. **\$45,000**. *Virginia Consortium for Teacher Preparation in Early Childhood Special Education Supplement*. The purpose of this supplemental grant 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. **\$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 Developmental Services (flow-through from ED). **\$208,226**. *Infant and Toddler Connection (ITC NRV) 2016-2017 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 Services (flow-through from ED). **\$115,876**. *Infant and Toddler Connection (ITC NRV) 2016-2017 Federal Funds*. This grant is to provide early intervention services to eligible children birth to 2 years of age or their 3rd birthday.

Kim, Youngmi, Music. Commonwealth of Virginia. **\$500**. *Virginia Opera - Deep River*. This grant is for the Virginia Opera to perform Deep River at Radford University.

King Ingham, Alice, School of Social Work. Virginia Department of Social Services. **\$198,841**. *Community Resource Adoptive Foster Family Training (CRAFFT) 2016-2017*. 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.

O'Connor, Joseph, Art. Virginia Department of Emergency Management. **\$7,500**. *Graphic Design Work for Safety and Branding*. 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.

Petersen, Nicole, Psychology. ACT, Inc. **\$45,330**. *Development and Initial Piloting of the SJT*. The focus of this grant is to examine the psychological and social mechanisms within and between individuals which facilitate resilience.

Rogers, Orion, Dean of the College of Science and Technology. Co-PI: **David Horton**, College of Science and Technology. Radford University Foundation, Inc. **\$81,621**. *Summer Bridge 2016 - 2017*. This grant is to host a week-long residential STEM program for rising sophomore, junior, and senior high school girls interested in science, technology, and mathematics.

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. **\$769,511**. *2016 (FY2017) Residential Governor's School*. This grant funds the summer Governor's School.

Uppuluri, Prem, Information Technology. Co-PI: **Joseph Chase**, Information Technology; **Jeffrey Pittges**, Information Technology; **Stephen Owen**, Criminal Justice; **Donna Boyd**, Forensic Science Institute; and **Clifford Boyd**, Forensic Science Institute. National Security Agency. **\$35,000**. *Scare, Prepare and Dare (Phase 4): Inspiring, Preparing High School Students and Nurturing their Passion for Cyber-Security*. This grant is to spark and nurture a passion for computer security among middle and high school students and in the process inspire them to pursue information technology or computer science as a major in college.

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.

Wojdak, Jeremy, Biology. University of Pittsburgh. **\$107,684**. *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.

Zaro, Alia, Student Support Services. U.S. Department of Education (Federal TRIO Programs). **\$292,343**. *Student Support Services*. The program is designed to identify qualified individuals from disadvantage backgrounds and to prepare them to succeed in a program of postsecondary education.

Radford University

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