Intramural Funding GOALS:

- To support research and scholarly efforts that generate:
  - external grant funding,
  - scholarly journal publications,
  - manuscript publication, or
  - displays of creative work.

- To support faculty research and proposal development activities that:
  - position faculty members for successful grant proposals
  - grow extramural funding at ODU.
**ODU 2016-2017**

**INTRAMURAL RESEARCH FUNDING OPPORTUNITIES**

<table>
<thead>
<tr>
<th>Program</th>
<th>Due Date</th>
<th>Award Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program for Undergraduate Research and Scholarship (PURS)</td>
<td>OCTOBER 12</td>
<td>Award of up to $10,000 for one calendar year. Provides seed funding for research/scholarly activities involving undergraduates as integral members of the creative team. The award is expected to lead to external grant applications and scholarly works such as journal publications, conference presentations, and/or artistic works by both faculty member and undergraduate mentee.</td>
</tr>
<tr>
<td>Summer Research Fellowship Program (SRFP)</td>
<td>OCTOBER 28</td>
<td>Award of up to $6,000 stipend &amp; up to $1,000 for expenses. Provides seed money for research/scholarly activities, primarily for non-tenured, tenure track faculty. These awards are expected to lead to external funding applications, scholarly journal publications, manuscript publication or display of artistic work. Faculty submits proposal to the Dean; Dean reviews and submits to OR by November 18 at 5 pm.</td>
</tr>
<tr>
<td>ODU Resilience Collaborative Faculty Research Seed Funds (RC-FRSF)</td>
<td>NOVEMBER 15</td>
<td>Award of up to $10,000 for one calendar year. To provide seed funding for Resilience Collaborative members, including tenure-track/tenured faculty &amp; SSRPs with the goals increasing of external funding and establishing the ODU Resilience Collaborative’s reputation for scholarship, research, and community outreach.</td>
</tr>
<tr>
<td>Faculty Proposal Preparation Program (FP3)</td>
<td>JANUARY 19</td>
<td>Award of up to $10,000 for one calendar year. Provides academic colleges with funding towards the cost of a course release for faculty members who will develop and submit high-quality, competitive proposals to external funding during either the Fall or Spring semester. Each dean may nominate up to two tenure-track or tenured faculty members for the FP3 program per semester.</td>
</tr>
<tr>
<td>Junior Faculty Research Mentoring Program (JFRMP)</td>
<td>FEBRUARY 27</td>
<td>Award of up to $10,000 for one calendar year. Supports ODU faculty-to-faculty mentoring, pairing a senior faculty member who has with a strong track record of extramural funding with a junior tenure-track faculty member who wants to be mentored and commits to submitting a competitive funding proposal at the end of the mentoring period.</td>
</tr>
</tbody>
</table>
GOAL:

To foster the research capabilities of
1) new, inexperienced investigators, and
2) more experienced investigators who are undertaking research in significantly new areas, for exploratory studies that have not yet received external funding.
GOAL:

The Old Dominion University Honors College Undergraduate Research Program, in partnership with the ODU Office of Research, is offering a number of grants to support one-year pilot projects in research and other scholarly activities. The primary objective is to provide undergraduate students with a year of authentic research and scholarship experiences under the mentorship of ODU faculty researchers.
GOAL:

To provide seed funding for Resilience Collaborative members, including tenure-track/tenured faculty & SSRPs with the goals increasing of external funding and establishing the ODU Resilience Collaborative’s reputation for scholarship, research, and community outreach.
The goal of the FP³ program is to release faculty members from their teaching commitments by one course so that high quality, competitive proposals can be developed for submission to extramural agencies.
GOAL:

The goal of the program is to support ODU faculty-to-faculty mentoring by pairing an experienced faculty member who has a track record of extramural funding with a junior tenure-track faculty member who wants to be mentored and sets a goal of submitting a competitive funding proposal at the end of the mentoring period.
New Sponsors

- U.S. Department of Veterans Affairs
  - Federal/State
  - Added 14 hours ago
- U.S. Embassy Kingston, Jamaica
  - Federal/State
  - Added 15 hours ago
- Royal Caribbean International
  - Corporate
  - Added 20 hours ago
- International Association of Inflammation Societies
  - Other
  - Added 20 hours ago
- Speh Foundation
  - Foundation
  - Added a day ago

See all Sponsors

New Grant Opportunities

- National Native Health Research Training Initiative
- Indian Health Service
- U.S. Department of Health and Human Services
  - Added 14 hours ago
- Rural Housing Awards
- Housing Assistance Council
  - Added 14 hours ago
- Georgia Patient Centered Medical Home
  - Supplemental Funding Grant
  - Georgia State Office of Rural Health
  - Added 14 hours ago
- New Mexico Hero of Health Award
  - Con Alma Health Foundation
  - Added 14 hours ago
- Accountable Health Communities: Track 1 - Awareness
  - U.S. Department of Health and Human Services
  - Centers for Medicare & Medicaid Services
  - Added 14 hours ago

See all New Grants

GrantForward Distribution

- Federal/State: 45%
- Academic: 8%
- Corporate: 1%
- Other: 14%
- International: 3%
- Foundation: 26%

Inventory Updates

- 28 New Sponsors were added to the system within the last 7 days.
- 936 New Opportunities were added to the system within the last 7 days.
ODU’s Grant Development Specialists have a wide range of expertise...
Old Dominion University Research Foundation

Mission Statement

Old Dominion University Research Foundation collaborates with the university for the successful administration of sponsored programs by providing responsive and cost-effective support.
The Research Foundation is...

- A separate, private, not-for-profit corporation
- The fiscal and administrative agent for sponsored research and other projects conducted by the University
- The authorized official to enter into sponsored agreements with external funding agencies on behalf of the University
- The administrative and fiscal services support function for funded projects
Core Services

• Proposal preparation and submission
• Project set-up and administration
• Human Resources
• Risk management
• Accounting and financial reporting
• Purchasing and property management
• Security management
Why does the Research Foundation monitor research?

- Protection of the University, the Foundation, and Principal Investigator
  - Monitoring of cost share commitments
  - Time and effort reporting
  - Subrecipient monitoring
  - Compliance (IRB, IACUC, Export Controls, Intellectual Property, Patents and Licensing, Conflict of Interest)
- Fiscal responsibility and oversight
  - Expenditure monitoring and compliance
- Federal regulations
  - Increased scrutiny, regulations
- Safeguarding the reputation of the Principal Investigator, the University, and the Research Foundation
Fiscal Compliance

- U.S. Office of Management and Budget
  - Uniform Guidance - 2 CFR 200
    Effective December 2014 consolidated OMB circulars:
    - What is Allowable, Applicable and Consistent (OMB A-21)
    - Establish Uniform Administrative Requirements (OMB A-110)
    - Audit and Internal Control Requirements (OMB A-133)

- Funding agency
  - Policy and procedures for oversight of awards
  - Special terms and conditions specific to award

- Adherence to ODU Policies

- Adherence to Research Foundation Policies
Grant Life Cycle

- Award Close-out
- Finding Funding
- Award Management
- Proposal Development
- Project Start-up
Research Foundation Pre-Award

- Research Foundation Pre-Award staff work closely with PIs to submit proposals on behalf of the University and its researchers.

- Please email Preaward@odu.edu as soon as you decide to pursue a specific funding opportunity.

- Grant and Contract Administrators are available for one-on-one consultation.

- PI works simultaneously with both Research Foundation and Grant Development staff in the Office of Research to submit a well-prepared and compliant application.

- Provide final application materials in advance of actual due date.
Electronic Proposal
Transmittal Form (ePTF)

- An internal electronic form that contains project information and is used to obtain approval of ODU commitment of resources

- Electronic signature approval is required by the PI, Co-PI, chair(s), and dean(s)

- Form can be accessed remotely through the internet: http://www.researchfoundation.odu.edu/forms/ptf.htm

- Research Foundation is not authorized to submit a proposal without receiving a fully approved ePTF
Guarantee and Request

- **Pre-award GUARANTEE:** if you submit your completed proposal to pre-award 5 or more business days before deadline we guarantee timely submission.

- **Please avoid 11th hour proposal submissions**
  - Stressful and usually several other proposals already in the queue
  - Risk of transmission systems being down
  - Inadequate time for appropriate review
  - Availability of department head or dean for signature
Research Foundation
Post-Award

- Research Foundation is the signing official on all awards and contracts
- GCA notifies PI of the grant or contract award
- Contract negotiation is done at this stage
- Project number is assigned and award processed
- GCA contacts PI to set up award orientation; coordinates any budget revisions with PI; sends a copy of notice of grant award and project set-up documents to PI’s, Co-PI’s, department and dean
- Post-award team works with you through the life of the award to final close-out
Thread of Compliance

• Begins in Pre-award process
  – Accurate budget and budget justification
  – Review of all proposal files (cost share, personnel, facilities, IRB, etc.)
  – Agreement of certifications and representations

• Continues in Post-award management
  – Monitoring of project expenditures
  – Subrecipient monitoring
  – Monitoring of cost share commitments
  – Time and effort reporting (PARs)
  – Human subjects, animals, export controls

• Ends at project closeout
Research Foundation Human Resources

Services provided:

• HR support for project sponsored staff
• Recruitment and on-boarding
• Compensation and employee classification
• Payroll authorization
• Employee benefit administration
• Employee relations
• Employee evaluations and benefits management
• Worker’s Compensation reporting, and Fair Labor Standards Act (FLSA) compliance
• Record keeping and employment eligibility
• Insurance and risk management
Research Foundation
Finance and Administration

Services provided:

• PI Portal administration for project reports
• Purchasing / Accounts Payable
• Accounts Receivable – billing and collections
• Payroll – grant supported personnel
• Time and effort reporting
• Travel and reimbursements
• Fixed asset inventory control
• Sponsor financial reporting
• Security clearances/ facilities visit requests (classified contracts) – FSO
Contact Information

Old Dominion University Research Foundation
4111 Monarch Way, Suite 204
Norfolk, VA 23508
Office: (757) 683-4293
Fax: (757) 683-5290

http://www.researchfoundation.odu.edu/

Julian Facenda – Executive Director
jfacenda@odu.edu - 757-683-7210

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rsteinha@odu.edu – 757-683-7223

Richard Brammer – Pre-Award Supervisor
PreAward@odu.edu – 757-683-7224
Research Communication

odu.edu/research

- ODU Office of Research #oduresearch
- Science Pubs

Related Initiatives
- Old Dominion University Resilience Collaborative
- Commonwealth Center for Recurrent Flooding Resiliency
  - @odusealevelrise

Innovate Locally | Transform Globally
WHAT'S YOUR STORY?

amatzkef@odu.edu

683-6523
Research Compliance
What is Research Compliance?

- Conformance with Federal, State, and Local Regulations and University Policies
  - Protection of human subjects
  - Welfare of laboratory animals
  - Safe use of radioactive material and radiation-producing machines
  - Safe conduct of recombinant DNA research and work with biological agents
  - Export Controls; Conflict of Interest
  - Attention to safety and integrity issues
ODU Protocol Review

Committees

IRB
Institutional Review Board

IACUC
Institutional Animal Care & Use Committee

IBC
Institutional Biosafety Committee

RSC
Radiation Safety Committee

Submissions through IRBNet for IRB, IACUC, IBC
Submission deadlines can be found on the Research Compliance website
Institutional Review Board (IRB)

Committee responsible for review of human subjects research
• ALL Federally-supported research and non-exempt research
• Meets monthly

Exempt research (no Federal support) can be reviewed by Human Subjects Review Committees housed within each college

When needed, determinations of need for human subjects approval are made in the Office of Research
Collaborative Work

- All federally-funded and non-exempt human subjects research MUST be reviewed by the ODU IRB
- Expedited reviews can take place if another institution’s IRB has conducted an initial review
Institutional Animal Care and Use Committee (IACUC)

Committee responsible for review of research and teaching protocols involving live, vertebrate animals

- Meets monthly
- Some protocols also require review by IBC, RSC, and/or Environmental Health & Safety

Animal Welfare Act and PHS Policy guide program

AAALAC (Association for the Assessment & Accreditation of Laboratory Animal Care International) accreditation
Institutional Biosafety Committee (IBC)

Committee responsible for review of research and teaching protocols involving:

• recombinant DNA (rDNA) that are considered non-exempt under the NIH “Guidelines for Research Involving Recombinant DNA Molecules.”
• BSL 1 & 2 biological agents (no BSL 3 & 4 at ODU)
• Select agents & toxins

Protocols involving exempt rDNA requires IBC registration at ODU

Committee meets monthly
Radiation Safety Committee (RSC)

Committee responsible for the review of applications for the possession and use of sources of ionizing radiation

- Radioactive materials
- Radiation producing machines
- Establishes the policies and procedures for conduct of the Radiation Protection Program
- Meets quarterly
ODU Research Conflict of Interest Policy

- Provides clarity in definitions for COI issues
- Policy applies to “employees, students, volunteers, employees of affiliated organizations, and visitors to the institution”
- Places enforcement of the policy within the academic unit where the research is conducted
- Establishes *de minimis* threshold of $5000 for disclosure in accordance with Federal regulations
Disclosure

- Key to all parts of this policy
- Reviewed for existing or potential COIs
  - Additional information may be requested to determine if an impermissible COI exists
- Supervisors shall meet with employees to develop a COI management plan, if needed
Export Controls

- Certain equipment and information may be restricted to foreign nationals due to economic or security concerns
- Two sets of regulations that may impact research
  - Export Administration Regulations (EAR)
  - International Traffic in Arms Regulations (ITAR)
- Regulations do not restrict access to US Citizens or Legal Permanent Residents (unless specifically stated by Federal agency)
How do we handle export controls?

- Determination of “fundamental research” applicability
- Determination of applicability of regulations to the research team
- Creation of a Technology Control Plan
Other Compliance Issues

- Controlled Substances
- Bloodborne Pathogens
- Laser Safety
- Hazardous Materials
- Electrical Safety

There are forms online and training is available for each of these topics
Resources

- Office of Research – Research Compliance
  - http://www.odu.edu/impact/compliance
- Collaborative Institutional Training Initiative (CITI)
  - http://www.citiprogram.org/
- IRBNet
  - http://www.irbnet.org

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ODU Innovations Commercialization (ODUIC)

Khaled Abul-Hassan, PhD, MBA, CLP
Director of Innovations Commercialization
www.odu.edu/researchoffice
What is an intellectual property (IP)?

- Legal rights to non-tangible products of the human mind or intellect.

*Patents,*  
*Copyrights,*  
*Trademarks,*  
*Trade Secrets.*
Who is responsible for managing IP at ODU?

- Sponsored Program Services (ODURF)
  - Research sponsorship

- Office of Innovations Commercialization (ODUIC)
  - Patents, copyrights, trademarks, trade secret

- Conflict of Interest (OR, HR)
  - Consulting, start-ups
ODUIC Mission Statement

The Old Dominion University Innovations Commercialization supports the mission of University by implementing the commercialization of University’s innovations for the public good by:

- Encouraging/supporting invention disclosure,
- Encouraging/supporting entrepreneurs,
- Protecting and managing commercially viable intellectual properties (IP),
- Growing available research funding, and
- Realizing technology development and commercialization.
ODU IP Policy

- Applies to Faculty, Staff and Students,

- Inventors are obligated to disclose Inventions resulted from University’s support, directly or indirectly, which is used in the discovery or development of Intellectual Property.

- Inventors must assign title to the University to support IP protection and receive a 50% share of net income from licensing their inventions.
ODUIC goal 1 - Return On Investment

Disclosures
- Electronic submission, case management
- IP search, opinion, market research, assessment, valuation, and marketing

Business Development
- Industry – University relations/licensing
- Startup company guidance/licensing

Financial
- Invoicing and collections (with ODURF)
- Royalty distributions

Information
- Transparency in sharing IP prosecutions/licensing
How can we assist you?

Disclosure management

- Uncertainties assessment; Tech, Market, Operational, Financial, IP
- IP search, Prosecution
- Targeted Marketing
- Sponsored Research
- Early Stage Funding (e.g. SBIR/STTR)
- VC and Angel Investors
- Licensing
- Industry Collaborations
New Initiatives: Outreach

- USPTO’s examiner providing presentations/meetings held twice a year to provide:
  - Updates on new patents laws/court cases affecting your IP,
  - Open to all faculty, Post-Docs, and graduate students.

IC staff will also provide custom-made (on demand) presentations to different colleges specific concerns.
Inventors at ODU are obligated under ODU’s IP Policy to:

- Maintain a notebook documenting all research they participate in,
- Download, fill an invention disclosure form from: http://odu.edu/researchoffice,
- Submit disclosure to our office as soon as practicable,
- Support the ownership and protection of ODU’s IP including the execution of documents necessary to effectuate IP ownership and protection.
ODU’s Ownership of Intellectual Property:

- ODU owns IP if:

  1) Subject to a sponsored research or other agreement requiring ownership to reside with some other party including ODU,

  2) Conceived, created, developed or first reduced to practice as a direct result of person’s duties at ODU.
Loss of IP rights

Public disclosure: any communication, verbal or written; allowing someone else to reproduce your invention. Examples:
- Publishing
- Poster presentation
- Seminars
- Non-confidential conversations outside the university
- Student thesis
- Awarded grant proposal (under the Freedom of Information Act)

Public disclosure bars international patent protection, however there is one year grace period for protection in the US.

Discuss the benefits of what you are doing without divulging the “KNOWHOW”.
America Invent Act

- First to File (March 16th 2013)
- Post Grant Review (Sept 16th 2012)
Office of Innovations Commercialization
OFFICE OF RESEARCH WORKSHOP

NEW FACULTY ORIENTATION

September, 2016

Tancy Vandecar-Burdin, PhD
Associate Director

The Social Science Research Center
OVERVIEW

• What the Social Science Research Center does.
• How the SSRC can assist faculty with research.
• Q&A
SOCIAL SCIENCE RESEARCH CENTER

- Created in 1998 by the College of Arts and Letters.
  - Founding Director Dr. Jeff Harlow
  - Randy Gainey current Faculty Director

- Goal: a center devoted to acquiring, analyzing, and reporting information on behavior, attitudes, and social trends.

- Services for:
  - ODU faculty with internal or external grant projects.
    - Collaborate from proposal through implementation.
    - Help with networking across campus.
  - Outside contractors (e.g. Local and State agencies).
SSRC CAPACITY

• Variety of data collection tools for survey research (phone, mail, web);

• Design studies, evaluations and other data collection efforts to examine policy and programmatic issues;
  • Sampling strategies

• Manage the logistics of both small and large-scale data collection efforts using a variety of techniques.
  • Utilize a variety of methodologies – surveys, interviews, focus groups
SSRC CAPACITY, CONT.

- Can assist with analyzing quantitative and qualitative data (transcription assistance);

- Present project findings and recommendations in a variety of formats tailored to the informational needs of the target audience(s); and

- Assist with evaluation of new/existing programs or interventions.

- Staffing: faculty director, associate director, project coordinator, 2 research assistants and various temporary/hourly staff
SSRC DATA COLLECTION RESOURCES

- Scannable Survey Technology – Teleform:
  - Create scannable survey forms to reduce data entry time and error

- Web Survey Technology – Qualtrics:
  - Create simple web-based survey instruments

- Computer Assisted Telephone Interviewing (CATI) Technology – Interviewer Command Center
  - Web-based
Automated data tabulation increases accuracy and reduces cost.
WEB SURVEYS

• Qualtrics - Probably quickest and least expensive form of data collection BUT not suitable for all research
  • Not the best method for trying to reach the general public
  • Better for when you have a known population with email addresses (ODU students, employees, professional organizations, etc.)
TELEPHONE SURVEYS

• The Center is equipped with a computer assisted telephone interview system (CATI).
  • 10 Station CATI Lab (+4)

• The CATI system gives the capability to conduct telephone interviews at the local and national level, to access data and results for a given interview at any point during the project, and to transfer data to one of many useable formats for data analysis.
EXAMPLES OF ODU FACULTY PROJECTS

• Fleet and Family Services Community Capacity Study (Public Administration/Urban Policy & US Navy):
  • Designed a study to gather information on the Hampton Roads community’s ability to serve transitioning military members.
  • Self-administered (pen/paper) survey, web survey, face-to-face interviews, telephone follow-ups
  • Also developed a community capacity handbook for Fleet and Family with instructions about how to conduct a community capacity study.
EXAMPLES OF ODU FACULTY PROJECTS

- **AccessEU Program Evaluation - YR 1 (Regina Karp and Larry Filer (ODU); The European Commission)** - Development of program evaluation and data collection instruments:
  - Survey data collection, focus groups, data entry, data analysis, and reporting.
  - Ten (10) AccessEU events were evaluated over 18 months.
  - Events included public school teacher seminars, speaker series, graduate courses, Model United Nations conference, and a study abroad trip.
  - Data was used to apply for an additional grant – PIs were successful in obtaining YR 2 monies.
EXAMPLES OF ODU FACULTY PROJECTS

• **Working Caregivers - VA ARDRAF - Karen Karlowicz (Health Sciences)**
  - Focus groups & interviews with working caregivers for those with dementia
    - Assisted with recruitment, moderating focus groups, and transcription
  - Qualitative data collected used to inform larger scale quantitative web-based survey
    - Consult on web-based survey instrument and program web survey instrument
  - Long-range plans to expand the study of dementia caregivers to examine implementation of workplace policies in organizations across VA and other states.
BENEFITS OF USING SSRC

• Assist with designing evaluation methods, data collection plans, human subjects review/IRB, and sampling
• Capacity to collect data with a variety of data collection tools/methods
  • Experience collecting data “at a distance”
• Help develop budget for evaluation/data collection component
• Neutrality of SSRC – PI not involved in evaluation data collection
• SSRC summarizes all evaluation data – provide final evaluation report
PLEASE CONTACT US:

TANCY VANDECAR-BURDIN, PhD
ASSOCIATE DIRECTOR - SSRC

tvandeca@odu.edu
683-3802

BATTEN ARTS AND LETTERS, ROOM 2000
Software and Collaboration

- Site License Software Program
  - Services Catalog - [www.odu.edu/its](http://www.odu.edu/its)
  - Adobe Creative Cloud, Matlab, Mathematica, SPSS, SAS and others

- Collaboration Tools
  - SharePoint
  - Cisco WebEx
  - Box
  - Large File Transfer
High Performance Computing Strategy

- Invest and design for high performance and scalability
- Deploy for efficiencies in operation and utilization
- Enhance support and services
- Broaden participation

HPC Computational Scientist & HPC System Administrators, work closely with researchers in the area of

- Code optimization,
- Software package support,
- Hardware infrastructure management,
- Grant support,
- Pro-active system monitoring.

Turing Cluster

- Turing cluster currently has 252 individual nodes (6150 cores, 53,730 GPU cores, 1220 Xeon Phi cores), with the latest Intel processors, 128GB per node which are connected by high speed 40Gbps infiniband switching fabric.
- Short term (180TB) and long term storage (768TB) are also connected to the cluster over the high speed infiniband backplane.

Hadoop Infrastructure

- 8 node Hadoop cluster, with internal SSD drives and connectivity to research mass storage.
- Latest version of Hadoop based on Hortonworks distribution. Apache's SPARK, Apache Flume and Hive among other software packages.

Storage

- 1.1PB - Scratch, Home Directories, Mass Storage

Research Connectivity

- E-LITE (regional 10Gbps optical networks) connects ODU, W&M, JLAB and VMASC.
- Regional E-LITE network (managed by ODU) connects to MARYA (state wide) aggregation routers at Ashburn and Atlanta at 100Gbps and 10Gbps respectively.
- Connectivity to Internet2 at Ashburn at 100Gbps.
UPCOMING EVENTS

Science Pubs: Oct.19, Nov.15, and TBD in spring 2017

Commonwealth Research Commercialization Fund Opportunities: Sept.16

Fair Labor Standards Act Workshops: Sept. 21 or Sept. 27

Purchase Release Time Incentive Program: Sept. 23 or Sept. 29

Faculty Scholarship and Your University Libraries: Oct.27

Grants 101: Nov. 17

Find out more information and RSVP at odu.edu/research/calendar