ODU Research Impact and Strategic Plan

2017 Research Orientation
VA Universities Share Core Facilities

- MOU includes ODU, UVA, VT, GMU, EVMS, W&M, and VCU.
- Demonstrates spirit of collaboration across institutions.
- All “core facilities” that function as cost centers will be available to all signatory institutions at internal user rates.
- Cost effective approach that will avoid major facility and equipment duplication.
## NIH Funding at ODU

### Total Amount of ODU’s Active NIH Funding

<table>
<thead>
<tr>
<th>Year</th>
<th>ODU</th>
<th>EVMS</th>
</tr>
</thead>
<tbody>
<tr>
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<td>$0</td>
<td>5</td>
</tr>
<tr>
<td>2014</td>
<td>1</td>
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<td>20</td>
<td>20</td>
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<tr>
<td>2017</td>
<td>25</td>
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### Number of NIH Awards

<table>
<thead>
<tr>
<th>Year</th>
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<th>EVMS</th>
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<tbody>
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<td>2016</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>2017</td>
<td>25</td>
<td>20</td>
</tr>
</tbody>
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[Graphs showing trends in funding and awards for ODU and EVMS over the years from 2013 to 2017.]
Center for Cybersecurity Education & Research

NEWS & ANNOUCEMENTS (click for full list)

- ODU's ONLINE BACHELOR OF SCIENCE in CYBERSECURITY RANKED #6 in the US
- ODU Expert Warns of 'Smishing' Scams That Target Text Messages
- ODU/TCNCC Agreement Clears Cybersecurity Education Pathway
- ODU/TCC Cybersecurity Education Agreement Formalized in Richmond
- ODU Faculty Members Win NSF REU Cybersecurity Site Grant
- Navy & Old Dominion University Sign CRADA to Assess Security in Cyber...
The ODU Resilience Collaborative (ODURC) is a consortium of leading scholars actively engaged in research, education, and outreach on critical issues for resilience at the community, regional, national, and global levels. It replaces the Climate Change and Sea Level Rise Initiative (CCSLRI) as a coordinated, campus-wide effort for resilience collaboration. ODURC is open to all faculty studying all types of resilience, and despite its roots, is not limited to flooding, sea level rise, or climate research.

The ODU Resilience Collaborative creates and disseminates knowledge, develops and conducts innovative projects, and supports decision making about resilience issues. Key areas of focus include climate change and sea level rise, adaptation, cybersecurity, health, and community resilience.

The ODU Resilience Collaborative provides the overarching framework for organizing and coordinating resilience-related initiatives at ODU.

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**Upcoming Events**

- **ODURC Pop-up**
  - 03/28/2017 12:30 PM - 03/28/2017 1:20 PM
- **ODURC Pop-up**

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**Background**

**Hampton Roads Sea Level Rise Adaptation Forum**

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Increasing the number of women and underrepresented ethnic minorities pursuing educational and career opportunities in science, technology, engineering, mathematics, and health sciences (STEM-H) is a national priority. ODU is the second largest producer of STEM-H degrees in Virginia. ODU's diverse student body and outstanding nationally recognized faculty in several STEM-H disciplines position the university to attract both research and intervention grants related to broadening participation in STEM-H. A faculty working group was formed in Spring 2016 to promote data gathering, networking, and institutional support for STEM-H-related research and educational opportunities.

The Broadening Participation in STEM-H group brings faculty together each semester to discuss partnerships, funding opportunities and learn from outside sources.

Find partners through our STEMBP faculty list. (MIDAS login required.)

Join the ODU STEMBP listserv for event announcements, funding opportunities, and discussion around broadening participation in STEM fields, or send your request to Stembp: request@list.odu.edu.

For more information, contact Karen Eck, Assistant Vice President for Research, at keck@odu.edu.

STEM-H in the News

- Visiting Academic Leader Issues Challenge to Broaden STEM Participation at ODU
ODU’s User-Friendly Funding Search Engine
In the Office of Research, we're committed to assisting faculty and students in creating cutting-edge research.

**Innovate Locally | Transform Globally**

- **Workshops**
  - Useful resources from research events
- **Funding Searches**
  - GrantForward is ODU's funding search database.
- **Forms & Research Policies**
  - Compliance, grant proposal and patent documents.
- **Research**

**myODU Login**

- Online Systems
  - Blackboard
  - MyODU Portal
  - Faculty & Staff Email
  - Faculty & Staff Instant Messaging
  - LEO Online
  - PAPERS
  - University-Wide Announcements
  - Faculty Activity System (FAS)
  - LumiA
  - ODU Knowledge Center
  - Banner Document Management System
  - Recruiting Advantage Program

- Directories
**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

**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

**GrantForward Distribution**

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

**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.
Clinical Research Grants Program

Aids Healthcare Foundation

Mission AIDS Healthcare Foundation is committed to advancing clinical care for persons with HIV infection, and therefore supports research towards this goal. We encourage collaborations with outside researchers focused on 5 major target areas: -Diagnostics -Antiretroviral Drug Treatment -Opportunistic Infections/Complications of HIV Infection -Pathogenesis of Infection -Novel...

Amount

To $30,000

Continuous

Microbiological Research - Producing Anti-tick Vaccines in Yeast

U.S. Department of Agriculture Research Participation Program

1 more sponsor

A research opportunity is available with the Tick and Biting Fly Research Unit (TBFRU) in Kerrville, Texas. The selected applicant will be responsible for producing milligram quantities of several recombinant tick proteins using a yeast production system, following well-defined standardized information procedures. Gist will be organized by the Dept. of Agronomy and must be able to follow strict...
Research Development Team Mission:

To support ODU faculty in research development activities, including:

- Strategic Planning
- Exploring Funding Opportunities
- Building Collaborative Teams
- Developing Competitive Grant Proposals
Research Development at ODU

Assistant Vice President for Research:
Karen Eck

Research Development and Outreach Coordinator:
Dan Campbell

Communications Coordinator:
Amy Fawcett

Director of Research Development:
Jackie Stein

Grant Development Specialists:
Liz Saltzman
Steve Landowne
Barbara Mann

Research Development and Proposal Support
The National Institutes of Health and other health-related funders

The National Science Foundation, NASA, and other science and engineering funders

National Endowment for the Humanities, National Endowment for the Arts, and private foundations

Department of Education and private foundations that fund educational research

ODU Colleges and Potential Funders

- Batten College of Engineering & Technology
- College of Arts & Letters
- Darden College of Education
- College of Health Sciences
- College of Sciences
- Strome College of Business & Public Administration
Grant Development Specialists are Assigned to Projects Based on Their Expertise with the Funder...

ODU Colleges

Batten College of Engineering & Technology

College of Arts & Letters

Darden College of Education

College of Health Sciences

College of Sciences

Strome College of Business & Public Administration

Potential Funders

The National Institutes of Health and other health-related funders

The National Science Foundation, NASA, and other science and engineering funders

National Endowment for the Humanities, National Endowment for the Arts, and private foundations

Department of Education, NSF STEM programs, and private foundations that fund educational research

Grant Development Specialist with Expertise

Liz Saltzman

Steve Landowne

Barbara Mann
The Office of Research supports tenured and tenure-track faculty researchers addressing today's issues, improving the quality of life, and providing an engine for economic growth across colleges and research centers. The office establishes and oversees the university's research grant development services, research compliance initiatives, and patents and commercialization processes.

The Old Dominion University Research Foundation (a separate entity from the University) sponsored research administration services, including pre- and post-award grant and contract administration. Our Guide to Research Support provides details.

New technology keeps tabs on the fascinating behavior of Carmel Valley woodpeckers.

VMASC Researcher Examines Why Hurricane Evacuation Orders Are Ignored

ODU’s Carol Corliss is a Featured Expert on NPR’s Hurricane Irma Coverage

Contact
Office of Research
203 Innovation Research Park 1
4111 Monarch Way
Norfolk, VA 23529
757-683-3460 (office)
757-683-5902 (fax)

Responsible Conduct of Research Training
All members of the research community conducting research must complete the Responsible Conduct of Research Training.

Request Grant Proposal Support
Learn more

IRBNET
All submissions to the IRB, IACUC and IBC (new protocol amendments, progress reports, and close-out reports) should be submitted electronically via IRBNet.

Calendrier of Events
Full Directory
Request for Grant Proposal Support

To request grant proposal support, complete the form below. A Grant Development Specialist will be assigned to your project based on experience with the targeted funding agency or type of grant program, and on availability.

- Last Name *
- First Name *
- Department *
- Phone Number *
- Email *
- Names of Co-PIs (if none, please indicate) *
- Name of Funding Organization *
Intramural Funding Opportunities
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.
Investing in ODU Faculty and Student Research

2014-16 Office of Research Intramural Funding:
- 3 Years (2014-16)
- 4 Intramural Research Programs
- 69 ODU Faculty Researchers funded

ROI = over 11 times our “investment”

$4,333,444 in external research funding

$380,521

Outcomes:
- 1 student scholarship
- 10 books and book chapters
- 27 ODU Researchers awarded external grant funding
- 64 articles (including 5 with student co-authors)
- 131 presentations (including 2 student presenters)
<table>
<thead>
<tr>
<th>Date</th>
<th>Program</th>
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<tbody>
<tr>
<td>Monday, Oct. 16, 2017</td>
<td>Program for Undergraduate Research and Scholarship (PURS) (Funding Period: Calendar Year 2018)</td>
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<tr>
<td>Friday, Oct. 20, 2017</td>
<td>ODU Resilience Collaborative Research Seed Funds (Funding Period: Calendar Year 2018)</td>
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<td>Friday, Oct. 27, 2017</td>
<td>Summer Research Fellowship Program (SRFP) (Funding Period: Summer 2018)</td>
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<td>Friday, Jan. 25, 2018</td>
<td>Faculty Proposal Preparation Program (FP3) (Funding Period: FY 2018-2019)</td>
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<tr>
<td>Friday, Feb. 26, 2018</td>
<td>Junior Faculty Research Mentoring Program (Funding Period: FY 2018-2019)</td>
</tr>
</tbody>
</table>

QUESTIONS? CONTACT: ORintramural@odu.edu
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 furthering the ODU Resilience Collaborative’s reputation for scholarship, research, and community outreach.
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 and scholarly work that has not yet received external funding.
GOAL:

The goal of the FP³ program is to assist departments in releasing 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 relevant extramural funding with a junior tenure-track faculty member who wishes to be mentored and has a goal of submitting a competitive funding proposal at the end of the mentoring period.
Communication and Outreach

• Follow us on Facebook!  

  ODU Office of Research  #oduresearch

• Learn strategies for successful funding searches at the GrantForward Training Workshop on October 24th.

• For information on upcoming Office of Research workshops, deadlines, and activities, visit our Events Calendar - just click the link on right side of the OR homepage: http://www.odu.edu/research/calendar.
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
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 Specialists 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 and compliant 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

Hope Fowler - Director of Human Resources
hfowler@odu.edu – 757-683-7238

Casey Golliher - Director of Finance and Administration
cgollihe@odu.edu – 757-683-7211

Richard Brammer - Manager of Sponsored Programs
rbrammer@odu.edu – 757-683-7224

Pre-Award - PreAward@odu.edu
<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail Address</th>
<th>Contact Number</th>
<th>Title</th>
</tr>
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<tr>
<td>Barretto, Rosalyn</td>
<td><a href="mailto:rbarrett@odu.edu">rbarrett@odu.edu</a></td>
<td>757-683-7216</td>
<td>Accountant - Fixed Assets</td>
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<tr>
<td>Bellamy, Carey</td>
<td><a href="mailto:cbellamy@odu.edu">cbellamy@odu.edu</a></td>
<td>757-683-7235</td>
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<td>Brammer, Richard</td>
<td><a href="mailto:rbbrammer@odu.edu">rbbrammer@odu.edu</a></td>
<td>757-683-7224</td>
<td>Manager of Sponsored Programs</td>
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<td>Bruce, Vanessa</td>
<td><a href="mailto:vbbruce@odu.edu">vbbruce@odu.edu</a></td>
<td>757-683-7218</td>
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<td>Dew, Terra</td>
<td><a href="mailto:tdews@odu.edu">tdews@odu.edu</a></td>
<td>757-683-7228</td>
<td>Sr. Post-Award Grant &amp; Contract Administrator</td>
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<tr>
<td>Diener, Patty</td>
<td><a href="mailto:pdiener@odu.edu">pdiener@odu.edu</a></td>
<td>757-683-7219</td>
<td>Accounting Specialist - Accounts Payable</td>
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<td>Dixon, Sara</td>
<td><a href="mailto:sdixon@odu.edu">sdixon@odu.edu</a></td>
<td>757-683-7245</td>
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<td>Easter, Adam</td>
<td><a href="mailto:aeaster@odu.edu">aeaster@odu.edu</a></td>
<td>757-683-7230</td>
<td>Post-Award Grant &amp; Contract Administrator</td>
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<td>Facenda, Julian</td>
<td><a href="mailto:jfacenda@odu.edu">jfacenda@odu.edu</a></td>
<td>757-683-7210</td>
<td>Executive Director</td>
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<td>Fowler, Hope</td>
<td><a href="mailto:hfowler@odu.edu">hfowler@odu.edu</a></td>
<td>757-683-7238</td>
<td>Director of Human Resources</td>
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<td>Ganas, Kathy</td>
<td><a href="mailto:kganas@odu.edu">kganas@odu.edu</a></td>
<td>757-683-7217</td>
<td>Accounting Specialist - Purchasing</td>
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<tr>
<td>Garrison, Doreen</td>
<td><a href="mailto:dgarrison@odu.edu">dgarrison@odu.edu</a></td>
<td>757-683-7212</td>
<td>Controller</td>
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<td>Golliher, Casey</td>
<td><a href="mailto:cgollihe@odu.edu">cgollihe@odu.edu</a></td>
<td>757-683-7211</td>
<td>Director of Finance &amp; Administration</td>
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<td>Goodrich, Trish</td>
<td><a href="mailto:pgoodrich@odu.edu">pgoodrich@odu.edu</a></td>
<td>757-683-7220</td>
<td>Accounting Specialist - Billing Administrator</td>
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<td>Graff, John</td>
<td><a href="mailto:jgraf@odu.edu">jgraf@odu.edu</a></td>
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<td>Systems Administrator</td>
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<td>Hamilton, Dawn</td>
<td><a href="mailto:shamilton@odu.edu">shamilton@odu.edu</a></td>
<td>757-683-7244</td>
<td>Business Administrator - FSO</td>
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<td>Harper, Rana</td>
<td><a href="mailto:rharper@odu.edu">rharper@odu.edu</a></td>
<td>757-683-7239</td>
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<tr>
<td>Harris, Stephanie</td>
<td><a href="mailto:sl2harris@odu.edu">sl2harris@odu.edu</a></td>
<td>757-683-7225</td>
<td>Sr. Pre-Award Grant &amp; Contract Administrator</td>
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<tr>
<td>Jacobs, Sean</td>
<td><a href="mailto:sjacobs@odu.edu">sjacobs@odu.edu</a></td>
<td>757-683-7231</td>
<td>Grant &amp; Contract Administrator</td>
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<tr>
<td>Jones, Letecia</td>
<td><a href="mailto:ljones@odu.edu">ljones@odu.edu</a></td>
<td>757-683-7214</td>
<td>Senior Accountant - Payroll Supervisor</td>
</tr>
<tr>
<td>Morse, Stacy</td>
<td><a href="mailto:smorse@odu.edu">smorse@odu.edu</a></td>
<td>757-683-7246</td>
<td>Receptionist</td>
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<tr>
<td>Odom, Deidre</td>
<td><a href="mailto:dndon@odu.edu">dndon@odu.edu</a></td>
<td>757-683-7240</td>
<td>Human Resources Generalist</td>
</tr>
<tr>
<td>Pascal, Laurance</td>
<td><a href="mailto:lpascal@odu.edu">lpascal@odu.edu</a></td>
<td>757-683-7227</td>
<td>Grant &amp; Contract Administrator</td>
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<tr>
<td>Sexton, Vici</td>
<td><a href="mailto:vxsext@odu.edu">vxsext@odu.edu</a></td>
<td>757-683-7241</td>
<td>HR/Payroll Specialist</td>
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<td>Shaff-Frost, Shelly</td>
<td><a href="mailto:sshafffr@odu.edu">sshafffr@odu.edu</a></td>
<td>757-683-7242</td>
<td>Sr. Post-Award Grant &amp; Contract Administrator</td>
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<tr>
<td>Speas, Kathryn</td>
<td><a href="mailto:kspeas@odu.edu">kspeas@odu.edu</a></td>
<td>757-683-7222</td>
<td>Grant &amp; Contract Coordinator</td>
</tr>
<tr>
<td>Thomas, Carly</td>
<td><a href="mailto:c1thomas@odu.edu">c1thomas@odu.edu</a></td>
<td>757-683-7232</td>
<td>Sr. Post-Award Grant &amp; Contract Administrator</td>
</tr>
<tr>
<td>Uzel, Beverly</td>
<td><a href="mailto:buz@odu.edu">buz@odu.edu</a></td>
<td>757-683-7215</td>
<td>Senior Accountant</td>
</tr>
<tr>
<td>Vera, Chelsea</td>
<td><a href="mailto:c1vera@odu.edu">c1vera@odu.edu</a></td>
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<td>Post-Award Grant &amp; Contract Administrator</td>
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<tr>
<td>Wofford, Sharlay</td>
<td><a href="mailto:swofford@odu.edu">swofford@odu.edu</a></td>
<td>757-683-7149</td>
<td>HR/Payroll Specialist</td>
</tr>
</tbody>
</table>
How it all Starts

It starts with a new idea, continues with significant collaboration among your colleagues in the Research Foundation and the Office of Research and leads to a successful proposal submission.

Contact
PreAward@odu.edu
Proposal Submission at ODU

It begins with a project idea...

Next, the PI identifies an appropriate funding program.

Is it a limited submission?

Next, the PI identifies an appropriate funding program.

PI emails preaward@odu.edu for assignment of a Grant and Contract Administrator (GCA).

STANDARD NOTIFICATION LEAD TIME:
- 30 days: standard proposals
- 60 days: complex proposals or proposals with sub-recipients
- 90 days: large program grants and centers.

REQUEST GRANT PROPOSAL SUPPORT on the Office of Research webpage.

The Office of Research has Grant Development Specialists who are assigned to support projects based on their expertise with the funder. They can:
- Assess project fit with funding program
- Provide information on funders
- Help identify collaborators
- Advise on strategy
- Identify proposal requirements
- Create a writing outline
- Help obtain institutional information
- Edit drafts
- Help coordinate required sections and create a unified voice for grants with collaborators
- Compile supporting documentation
- Provide final edits

PI provides final approval for submission.

5 Working Days Before Grant Deadline:
PI provides GCA with all required proposal components, such as abstract, narrative, letters of support, bios, etc.

GCA submits PROPOSAL.

ODU Research Foundation

At ODU, all grant proposals are submitted by the Research Foundation.

• Research Foundation assigns a GCA to work with the PI on proposal.
• GCA develops proposal budget with input from PI. If outside collaborators are involved, the GCA coordinates sub-recipient proposals.
• PI approves final budget.
• GCA creates an online Proposal Transmittal Form that must be electronically signed by PI, any Co-PIs, Chair(s), Dean(s), and VP for Research (as required).
• GCA completes sponsor proposal package.
• GCA conducts a review of the complete proposal package and recommends changes needed for compliance.
• GCA submits PROPOSAL.
What's your story?

Amy Matzke-Fawcett
amatzkef@odu.edu
683-6523
Connect With Us

odu.edu/research

Related Initiatives

- Old Dominion University Resilience Collaborative
- Commonwealth Center for Recurrent Flooding Resiliency
Science Pubs ODU is an opportunity for faculty to engage the community in an informal conversation about research. A curious mind is all that’s needed!
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”
- 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 for 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

Adam J. Rubenstein, Ph.D.
Assistant Vice President for Research Compliance
arubenst@odu.edu
757-683-3686

Jeffrey Marshall, M.S.
Senior Research Compliance Coordinator
jrmarsha@odu.edu
757-683-5451

Danielle Faulkner, B.S., CCRC
Research Compliance Coordinator
dcfaulkn@odu.edu
757-683-4636

Jasmine Myers, B.S.
IP & Export Control Manager
j1myers@odu.edu
757-683-4027
ODU Innovations Commercialization

(ODUIC)

Khaled Abul-Hassan, PhD, MBA, CLP

Jasmine Myers, ex-USPTO’s examiner
What is an intellectual property (IP)?

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

*Patents,*

*Copyrights,*

*Trademarks,*

*Trade Secrets.*
Patent Hurdles

USPTO
Dist Court
BPAI
Fed Cir
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, stocks
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.
Guidelines for IP Created at ODU

- 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: https://www.odu.edu/facultystaff/research/innovations-commercialization/policies
  - 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.
How can we assist you?

Disclosure management

Uncertainties assessment; Tech, Market, Operational, Financial, IP

IP search, Prosecution

Targeted Marketing

Industry Collaborations

Early Stage Funding (e.g. SBIR/STTR)

VC and Angel Investors

Licensing

Sponsored Research
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”.
Office of Innovations Commercialization
Research Services of the University Libraries

Office of Research Orientation

Karen Vaughan, Digital Initiatives Librarian
kvaughan@odu.edu

September 13-14, 2017
Many more research support guides:

- Copyright and Copywrong
- Data Management @ ODU
- EndNote Installation & Help
- Institutional Repository: ODU Digital Commons
- Scholarly Metrics
Before publishing, consider which journal to choose - ask your liaison

- Look at journal rankings
- Learn journal policies
- Avoid predatory journals
- Negotiate author rights in publisher contracts
- Learn about author identifiers (ORCiD) and profiles

After publishing, let us assist with assessing your impact
Open Access

- Share your work on your own terms
- No need to give up copyright
- Greater immediate access for everyone
- Greater impact for you (and ODU)
- May be a funder mandate

Gold Open Access

Journal publishers provide open access
- Fee-based
- Hybrid
- Embargos

Green Open Access

Self-archive in institutional or disciplinary repository
Institutional Repository:

"...a set of services that a university offers to members of its community for the management and dissemination of digital materials created by the institution and its community members."

Clifford Lynch, Executive Director of CNI (Coalition of Networked Information)
The Libraries:
Collect and input materials, provide metadata, verify journal permissions, advise on copyright and author rights, etc

Materials can include (but are not limited to):

- Articles, books, chapters, conference papers/presentations
- Working papers and reports
- Theses/dissertations
- Datasets
- Multimedia
- Images and creative works
- Primary research materials
- Open educational resources
- University publications

Versions accepted: Depends on the copyright

<table>
<thead>
<tr>
<th>Publisher PDF</th>
<th>Author Post-Print</th>
<th>Author Pre-Print</th>
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<td>first version</td>
<td>to publisher</td>
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<td>submitted</td>
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<td>publisher formatting</td>
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Sherpa/RoMEO

To verify publisher permissions

**Journal**: Advances in Genetics (ISSN: 0065-2660)
- **RoMEO**: This is a RoMEO green journal
- **Paid OA**: A paid open access option is available for this journal.

**Author's Pre-print**: author can archive pre-print (i.e., pre-refereeing)
**Author's Post-print**: author can archive post-print (i.e., final draft post-refereeing)
**Publisher's Version/PDF**: author cannot archive publisher's version/PDF

**Journal**: D-Lib Magazine (ISSN: 1082-9673, ESSN: 1082-9673)
- **RoMEO**: This is a RoMEO blue journal
- **Listed in**: DOAJ as an open access journal

**Author's Pre-print**: archiving status unclear
**Author's Post-print**: author cannot archive post-print (i.e., final draft post-refereeing)
**Publisher's Version/PDF**: author can archive publisher's version/PDF

**General Conditions**:
- Authors pre-print on any website, including personal websites, pre-print archives, and institutional repositories without publisher consent.
- If the pre-print is not published due to Funding Body requirements, it cannot be updated with a second deposit until the embargo period expires.
- Authors can use pre-print on personal websites, pre-print archives, and institutional repositories.
- Authors retain copyright, and published source must be acknowledged.
- Publisher's version/PDF must be used with publisher's policy.

**Notes**:
- Publisher last contacted on 14/08/2015

**Copyright**: Publisher

**Updated**: 19-Aug-2015 - Suggest an update for this record
Sample event/conference
Browse Journals and Peer-Reviewed Series

Academic Perspectives in Higher Education
ISSN 2380-1131
Academic Perspectives in Higher Education (APHE) is an academic, peer-reviewed publication focused on contemporary issues in higher education. The goal of the publication is to feature the work of graduate students and early career scholars. Research papers, scholarly manuscripts, reports on “cutting edge” best practices in higher education, and reviews of print publications or other media of professional interest may be submitted for review.

Virginia Journal of Science
ISSN 0042-658X
Published since 1950, the Virginia Journal of Science is an academic, peer-reviewed publication focused on all areas of science affecting the state of Virginia. As the official publication of the Virginia Academy of Science, it includes meeting minutes, notes, and reports of the Academy, as well as proceedings from annual meetings. VJS is transitioning to an electronic format in Summer 2018. Eventually all issues of the journal will be available here.
Questions?

Contact:

Karen Vaughan

kvaughan@odu.edu

757-683-4184
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.
  - 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.

### 2012 Family Survey - Early Intervention

This is a survey for families receiving Early Intervention services. Your responses will help guide efforts to improve services and results for children and families. For each statement below, please select one of the following response choices: very strongly disagree, strongly disagree, disagree, agree, strongly agree, very strongly agree. You may select Does Not Apply, the last column, for any item that you feel does not apply to your family. In responding to each statement, think about your experience and your family's experience with Early Intervention services during the past year.

<table>
<thead>
<tr>
<th>Impact of Early Intervention Services on Your Family</th>
<th>Very Strongly Disagree</th>
<th>Strongly Disagree</th>
<th>Disagree</th>
<th>Agree</th>
<th>Strongly Agree</th>
<th>Very Strongly Agree</th>
<th>Does Not Apply</th>
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<tbody>
<tr>
<td>During the past year, Early Intervention services have helped me and/or my family:</td>
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<td>1. ...participate in typical activities for children and families in my community</td>
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<td>2. ...know about services in my community</td>
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<td>3. ...improve my family's quality of life</td>
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<td>4. ...know where to go for support to meet my child's needs</td>
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<td>5. ...know where to go for support to meet my family's needs</td>
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<td>6. ...feel that I can handle the challenges of parenting my child with his/her needs</td>
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<td>7. ...feel more confident in my skills as a parent</td>
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<td>8. ...keep up friendships for my child and family</td>
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<td>9. ...find information I need</td>
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<td>10. ...know how to make changes in family routines that will benefit my child</td>
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<td>11. ...figure out solutions to problems as they come up</td>
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<td>12. ...feel that I can get the services and supports that my child and family need</td>
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<td>13. ...understand how the Early Intervention system works</td>
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<td>14. ...be able to evaluate how much progress my child is making</td>
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<td>15. ...feel that my child will be accepted and welcomed in the community</td>
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<td>16. ...feel more confident in finding ways to meet my child's needs</td>
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<td>17. ...communicate more effectively with the people who work with my child and family</td>
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<td>18. ...understand the roles of the people who work with my child and family</td>
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<td>19. ...know about my child's and family's rights concerning Early Intervention services</td>
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<td>20. ...do things with and for my child that are good for my child's development</td>
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<td>21. ...understand my child's needs</td>
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<td>22. ...feel that my efforts are helping my child</td>
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</table>
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).
  • 11 Station CATI Lab (+3)

• 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.
SSRC CATI LAB
EXAMPLES OF ODU FACULTY PROJECTS

• Fleet and Family Services Community Capacity Study (School of Public Service & 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
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
  - WordPress, SharePoint
  - Cisco WebEx, Microsoft Skype for Business
  - 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 MARIA (state wide) aggregation routers at Ashburn and Atlanta at 100Gbps and 10Gbps respectively.
- Connectivity to Internet2 at Ashburn at 100Gbps.