SUPPORT FOR RESEARCH & SCHOLARLY ACTIVITIES

Office of the Vice Provost for Research
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Commonly Asked Questions by New Faculty

I am planning a grant submission – what do I need to do to start the process?

- Notify your assigned Research Administration Pod about your intent to submit a grant as far in advance as possible. Each pod has an “intent to submit” form.

I have grants that I need to transfer from another institution to GW. How do I start the process?

- Contact your assigned Research Administration Pod to start the process.

I have a Non-Disclosure Agreement (NDA), sub-award, contract, or another research-related document that I need to process – who do I need to contact?

- Contact your assigned Research Administration Pod to start the process. Any agreement or document that obligates or speaks on behalf of the university requires institutional approval and the signature of an authorized representative.

I just received a request for JIT – what supports exist to submit JIT?

- Work with your assigned Research Administration Pod to prepare a response. The pods work closely with the Office of Sponsored Projects. OSP submits all post-submission responses to the sponsor.

I need to obtain IRB approval for a study involving human subjects – what do I need to do?

- For help preparing an IRB protocol, contact the Office of Human Research.

I need to obtain IACUC approval for a study involving animals – what do I need to do?

- For help preparing an IACUC protocol for review, contact the Office of Animal Research.

Does GW have intramural grant funding opportunities?

- Yes, the Office of the Vice Provost for Research administers intramural funding opportunities.

What resources are available for postdoctoral trainees?

- Resources for GW Postdoctoral Trainees
- GW Postdoc Association

What resources are available for graduate student research?

- Office of Graduate Student Assistantships and Fellowships

What resources are available for undergraduate student research?

- Resources for undergraduate students
- Center for Undergraduate Fellowships and Research
- Students and trainees can search GW Student Research Commons for research opportunities across disciplines.
Research Mission

GW’s mission is to improve the world with the discoveries and creative expressions of its faculty and students. This requires the university to invest in the areas of scholarship and research where it can have the greatest success and to ensure that its research ecosystem matches the aspirations of the university community. And it requires that the university facilitate research that crosses disciplinary and geographic boundaries. GW will build on the progress it has made, exploring ways to support research that continues to generate groundbreaking discoveries and innovative ideas.

Goals:

❖ Ensure that principal investigators have the support and flexibility they need to focus on their research.
❖ Enhance GW’s research and scholarly reputation and promote discoveries and innovations made by the university community.
❖ Align the research and academic enterprises.
❖ Enrich the educational experience of GW students by increasing opportunities to work and publish with faculty.

Office of the Vice Provost for Research
https://research.gwu.edu

Research at the George Washington University
https://www.gwu.edu/research
Research Enhancement Unit

STRATEGIC ADVANCEMENT OF RESEARCH

The Research Enhancement Unit supports investigators at the George Washington University (GW) and GW’s research enterprise by:

- identifying targeted opportunities to expand and diversify sources of research funding;
- providing individual consultative and scientific editing services to increase the competitiveness of research proposals;
- promoting and facilitating scientific collaboration for large, complex and multi-/cross-disciplinary proposals; and
- delivering a variety of professional development workshops, trainings and seminars.

Research Enhancement Services

FEDERAL PROPOSAL DEVELOPMENT SUPPORT

Experienced research development professionals assist faculty with:

- Conceptualizing the science of proposal
- Team science strategies
- Developing strategic roadmaps for securing research funding across career phases
- Progressive sponsor-specific funding mechanisms
- Technical/scientific editing

Assisting PIs in building interdisciplinary proposal teams

Upon request, REU can convene internal mock review panels for internal peer review

FACULTY SUPPORT AND DEVELOPMENT

Workshops and Seminars

- Grant writing seminars
- Grantsmanship training
- Specialized faculty proposal and grant management “boot camps”
- Pre-award internal systems workshops

Collaboration and Diversification

- On-site presentations and workshops from sponsors to facilitate interaction with potential funders
- Coordinate campus visits with sponsors
- Build collaborations to broaden internal and external research exposure

Limited Proposal Opportunities

- Manage GW’s selection and nomination process
- Disseminate limited submission opportunities to the research community
- Select and chair internal review and selection committees

Contact us

Phone: (202) 994-7991   Web: https://sponsoredprojects.gwu.edu/research-enhancement   Email: reshelp@gwu.edu
What is Pivot?

Pivot is a powerful tool that:

- Provides access to the most comprehensive global source of funding opportunities.
- Identifies researcher expertise from within or outside of your organization from millions of profiles.
- Enhances communication, monitoring, and tracking among individual faculty, teams, or researchers.

How do I use Pivot?

Set up a Pivot account – http://pivot.proquest.com
1. Click on the Sign Up link.
2. Complete the required fields including associating yourself with the George Washington University. Your email address and the password you entered during account creation will be your username and password.
3. Click the Create my account button and follow the 2-step verification process.

Claim an existing profile – http://pivot.proquest.com
1. In the upper right-hand corner, your name is displayed. If you see a Claim profile link, you currently do not have a profile linked to your COS Pivot account and we recommend you do so. Click the Claim profile link.
2. A list of potential profile matches (from within GW) may be displayed. If no matches occur, you can choose to look for potential matches outside of GW by clicking on the appropriate checkbox above the results list.
3. If you locate your profile from the results list, click the This is me button to the right of the profile name. If no results display, click the Suggest a scholar link located to the left of the results list to enter your information.
4. You do not need a profile to save searches or track funding opportunities.

Conduct funding searches – https://pivot.proquest.com/funding_main
1. Scroll down to Keyword, click the triangle and type in a relevant keyword. The search engine will auto-populate as you type. Indicate any more additional, relevant criteria and select Search, located at the bottom of the page.
2. To save a query, click Save your query at the top of the search results page.
3. Name your search. From here, you can indicate whether you want opportunities that fit your indicated criteria emailed to you on a weekly basis.

Additional funding search tools

   On the right side, click Options and you will see a group of actions:
   - Share – Click this to share this funding search with a colleague or group of colleagues.
   - Edit – Click this to edit the criteria for this funding search.
   - Add Tags – Click this to label your searches easily. (This is not a requirement for saved funding searches.)
   - View Archived Results – Click this to view funding opportunities from previous weeks.
   - Alert Email on/off – Click this to edit email notifications.
   - Delete this search – Click this to delete a particular funding search. Note: There is no limit to the amount of funding searches you can save.

2. Tracked Funding Opportunities – http://pivot.proquest.com/tracked_opps
   If there is a specific funding opportunity for which you would like to receive updates, open the announcement and select Track or Set to Active on the right side of the screen. (Opportunities on your Active List are the important ones that will be mentioned on your Pivot homepage and opportunities on your Tracked List are non-urgent opportunities you are tracking.)

Where can I get help?

- Pivot’s Youtube Channel: https://www.youtube.com/user/ProQuestPivot
- Webinars hosted by Pivot

Please email reshelp@gwu.edu if you need assistance with COS Pivot.
Office of Sponsored Projects

The Office of Sponsored Projects (OSP) delivers responsive, customer-centric services and management throughout all stages of sponsored projects administration, pre-award through post-award. OSP is responsible for institutional review and approval of extramural proposal submissions; receives, accepts, and administers awards; negotiates contracts, grants, cooperative agreements, and other sponsored agreements on behalf of the university; and provides central oversight and stewardship for sponsored projects administration at GW. OSP partners with the research administration pods to facilitate and promote externally funded research and scholarly pursuits of faculty and staff across all disciplines.

**Pre-Award**
- Proposal compliance review and submission
- Technical assistance with agency specific requirements and sponsor guidelines
- Resource and guidance for budget development
- Coordination and submission of Just-In-Time requests
- Authorized approval and signature for proposals seeking external funding

**Award Management**
- Review grant and cooperative agreements
- Oversight on award special terms and conditions
- Assist with interpretation of sponsor requirements, federal regulations, and GW policies
- Approve and manage non-financial post-award activities (i.e., NCE’s, award transfers, prior approval requests)
- Review and submit non-financial reports

**Contract Negotiation**
- Draft, review and negotiate contracts with corporate partners and government agencies and complex agreements with foundations
- Develop and negotiate other research-related agreements (confidentiality agreements, teaming agreements, etc.)
- Liaison with other GW offices
- Review and interpret award terms and conditions at pre-award and award stages

**Award Setup**
- Account set-up in GW financial system for sponsored awards
- Account set-up for committed cost-share associated with externally sponsored funding
- Activation of administrative and at-risk accounts

**Subaward Monitoring**
- Work closely with PI and pod staff to initiate subaward agreements in a timely manner in compliance with terms of the prime award
- Draft and negotiate outgoing subaward agreements
- Provide subaward vs contractor determination
- Guidance to PI and pod staff on subaward terms and conditions and monitoring

**Education & Training**
- Onboarding and refresher training for research administrators (proposal development and award administration processes, financial management)
- Navigation of electronic systems
- Emerging compliance requirements
- Faculty awareness and preparedness program (**New!**)
Research Administration Pods

GW utilizes a “pod” model for sponsored research administration. Each pod supports two or more schools and their affiliated research centers and institutes. Pods manage the complete lifecycle of a sponsored research project and provide continuity from inception to award closeout.

The pods are school-led and include both school and central research administrators. Each pod has pre-award, post-award and contracting functions. All Office of Sponsored Projects (OSP) staff report to the central office, including the pre-award, post-award and contracting officers that are embedded within the pods.

Pod Portfolios

Pod 1
Schools/Units
- Columbian College of Arts and Sciences
- Elliott School of International Affairs
- School of Business
- Graduate School of Education and Human Development
- College of Professional Studies
- Libraries and Academic Innovation
Pod Leader
Evangeline J. Downie, Associate Dean for Research, Columbian College of Arts and Sciences
Pod Website
http://blogs.gwu.edu/pod1

Pod 2
Schools/Units
- Milken Institute School of Public Health
- Biostatistics Center
- GW Law
Pod Leader
Adnan A. Hyder, Senior Associate Dean for Research, Milken Institute School of Public Health
Organizational Inbox
gwresearchpod2@gwu.edu
Pod Website
http://blogs.gwu.edu/pod2

Pod 3
Schools/Units
- School of Medicine and Health Sciences
- School of Engineering and Applied Science
- School of Nursing
Pod Leader
Robert H. Miller, Interim Vice Dean for Research and Academic Affairs, School of Medicine and Health Sciences
Organizational Inbox
pod3research@gwu.edu
Pod Website
https://blogs.gwu.edu/pod3

Read more about the pod structure.

Units not assigned to a pod may email askovpr@gwu.edu for guidance.
Principal Investigator (PI) Dashboard

What is PI Dashboard?

PI Dashboard is a secure, online tool used to:
- access an award’s financial and personnel information at both summarized and detailed levels in a table format;
- easily view all your awards at once, extract data and run reports; and
- alert principal investigators to a critical award status.

Accessing PI Dashboard

Login Information
Access to PI Dashboard can be requested by emailing pidash@gwu.edu and including the Full Name and GW NetID for those who need access. Access is secure and you may request access for yourself and those who assist in managing your awards.

PI Dashboard accessed at https://sponsoredprojects.gwu.edu/pi-dashboard. When prompted, use your NetID and password to gain access.

Features

Interactive Visualizations
Provides a graphic visualization of summary and detail information by categories.
- Ability to filter and drill down to award expenditures by expenditure category or type
- Ability to drill down into details on Budgets vs. Actuals and Encumbrances
- Ability to show percentage spending level.

Labor Effort*
- Percent of a person’s labor distribution that is paid from an award.

Expenditures in Suspense*
- A list of expenditures that have been charged to a suspense account and have not been cleared.

Monthly Run Rate*
- Average monthly expenditure and projected expenditures.
- Estimate of when budget will run out.

* These features are located in the “More Tools” tab of the Interactive Visualizations module.

For more information
https://sponsoredprojects.gwu.edu/pi-dashboard

Contact us
pidash@gwu.edu
The Office of the Vice Provost for Research (OVPR) is committed to ensuring that GW's core research infrastructure is up-to-date and efficient in service of our vibrant and growing research community. To that end, OVPR and a cross-functional team of GW units implemented myResearch, an enhanced electronic research administration (eRA) tool. The tool became available to the GW community on February 22, 2022.

myResearch integrates proposal development and sponsored award management activities into one user-friendly system that delivers greater transparency and streamlined communication with better metrics and reporting. The system has established a solid foundation for ongoing improvements in support of the research enterprise.

Log in to myResearch

myResearch utilizes GW's single sign-on (SSO). The system can be accessed by visiting https://myresearch.gwu.edu and logging in with GW credentials.

Support

The myResearch team is ready to assist investigators, research administrators, and partner offices with any aspect of the tool, including proposal and award management activities:

- Contact your assigned research administration pod for assistance with questions specific to your proposals and awards.
- Review the myResearch training materials available online.
- Attend a training or Q&A session.
- Email myresearch@gwu.edu with questions regarding your myResearch access and role.
- Submit an IT Help Desk Ticket. If you encounter a system error message and require technical support, please submit a ticket that mentions “myResearch” in the description of the problem. Your ticket will be prioritized and routed to the appropriate staff for resolution.
Research Integrity
Partnering with GW’s Scholarly Community

The George Washington University (GW) is committed to promoting the highest standards of ethical research and scholarly conduct while pursuing its research mission. Anyone at GW that is involved in conducting or supporting research shares the responsibility for achieving these goals.

The Office of Research Integrity (ORI) partners with members of the scholarly community to ensure that our programs comply with all federal, state, and local regulations and university policies.

Office of Human Research
- Provides administrative support for GWs Institutional Review Boards (IRB) and is responsible for the review of activities involving human volunteers in accordance with the IRB review process and federal regulations

Office of Animal Research
- Provides space, equipment, and care for laboratory animals used for research and teaching purposes and administratively supports the university’s Institutional Animal Care and Use Committee (IACUC)

Office of Laboratory Safety
- Ensures safe laboratory environments for students, faculty, staff and visiting scholars; compliance with applicable federal and local regulations in all areas of laboratory safety; administratively supports the university’s Institutional Biosafety Committee and Radiation Safety Committee; conducts laboratory inspections; and provides training in laboratory safety and shipment of hazardous materials

Office of Research Integrity and Assurance
- Provides guidance, assistance and training in the responsible conduct of research and works to support the scholarly community to insure all regulatory and sponsor requirements are met especially with regard to export controls, financial conflicts of interest, research misconduct and data transfer/sharing

For more information on the services the Office of Research Integrity provides, please refer to the detailed information in this section and visit the Office of Research Integrity website: https://researchintegrity.gwu.edu
Additionally, the university has compiled a number of helpful materials, resources and guidelines related to research integrity, including:

- **University Policies**, including research and related compliance policies:
  
  - [http://policy.gwu.edu](http://policy.gwu.edu)

- **Regulatory Compliance Help and Referral Line** offers a resource for anonymous reporting of concerns regarding suspected regulatory violations as well as links to other resources:
  
  - Report confidentially online: [https://compliance.gwu.edu/reporting](https://compliance.gwu.edu/reporting)
  - Report to confidential phone hotline: 1-888-508-5275

- **Office of the Vice Provost for Research (OVPR) and Office of Sponsored Projects (OSP) websites**, provide an overview of resources and services dedicated to assisting the community with their scholarly activities, including OSP’s Sponsored Projects Handbook as well as training programs and courses covering topics in research administration:
  
  - [http://research.gwu.edu/](http://research.gwu.edu/)
  - [http://sponsoredprojects.gwu.edu](http://sponsoredprojects.gwu.edu)
GW Human Research Protection Program (HRPP)

Office of Human Research (OHR) and Institutional Review Boards (IRB)

- OHR provides administrative oversight for the IRB, a committee charged with the oversight of human subjects research by federal regulations and institutional policies
- The IRB is responsible for ensuring that the rights, welfare and safety of human subjects are protected
- Members of the IRB have a variety of backgrounds, both affiliated and unaffiliated with GW
- GW has two IRB committees that review studies; each panel meets once per month
- IRB applications should be submitted via GW iRIS, the university’s electronic research compliance system.

GW iRIS

Investigators can initiate and track the status of IRB applications via GW iRIS. The system automatically routes applications for approval and streamlines the review process. [https://humanresearch.gwu.edu/forms-tools](https://humanresearch.gwu.edu/forms-tools)

Cooperative Research

Your project may require multiple IRB reviews when another institution (its staff, students, employees, etc.) is engaged in the research. IRB agreements can be used in cooperative research, whenever possible, but are dependent on the institutions involved and cannot be used for exempt research. Please see the OHR website [https://humanresearch.gwu.edu/irb-record](https://humanresearch.gwu.edu/irb-record) for details.

Human Subjects Training Requirements and Opportunities

All research team members are required to complete Human Subjects Protection Training through the Collaborative Institutional Training Initiative (CITI) at [www.citiprogram.org](http://www.citiprogram.org) before the submission of an IRB application. All human subjects protection courses must be refreshed at least every 2 years. When registering, be sure to affiliate with GW and choose HUMAN SUBJECTS PROTECTION TRAINING, as the other options will not suffice for the GW IRB’s requirements.

- Required Courses – Biomedical Investigators or Social Behavioral Research. Note: for researchers not interacting with subjects but accessing identifiable data only, you may complete the Data and Specimens course in lieu of the Biomedical or Social Behavioral courses.
- All researchers viewing and/or collecting Protected Heath Information (PHI) MUST complete the HIPS or GW Skillport course.

OHR also offers educational training sessions to benefit the GW research community, such as a monthly IRB Forum, which presents different human subjects research topics. If you are interested in receiving announcements about training opportunities, please email ohrirb@gwu.edu and ask to be added to OHR’s listserv.
In addition, OHR conducts classroom or departmental outreach sessions on all of GW's campuses. For a more personalized or study-specific outreach, individuals or small groups can schedule an appointment to discuss a proposed project with an OHR staff member by emailing ohrirb@gwu.edu.

**PI Responsibilities**
The principal investigator (PI) is the *individual* who assumes *full responsibility* for a research project, including student projects.

The PI bears the overall responsibility for the following:

- Scientific, fiscal and administrative responsibility for conducting the project
- Meeting all federal regulations as applicable to the research and the IRB requirements
- Ensuring the research is conducted ethically in accordance with the Belmont Report
- Ensuring that no subject is enrolled in research without obtaining informed consent
- Training and oversight of the study team, including doctoral students, research assistants, etc.
- Securing prior IRB review and approval for any nonexempt research, including any modifications to approved research
- Following any institutional policies and procedures
- Obtaining and documenting informed consent
- Ensuring prompt reporting of any unanticipated problems involving risks to subjects or others and any serious or continuing non-compliance
- Research record-keeping

**PI Eligibility**
The PI must be a full-time faculty member (i.e., assistant, associate, or full professor, research professor or research scientist). Students, residents, or fellows are typically not permitted to be PIs. One research team member (in addition to the PI) should be designated as the “principal contact” for communication with the IRB.

PI exceptions are granted on a case-by-case basis. Please view the PI Eligibility Exception Form page on the Office of Human Research website for details.

**Contact Us**
GW Office of Human Research (OHR)

ohrirb@gwu.edu
humanresearch.gwu.edu
202-994-2715
The Office of Animal Research (OAR) is a core service group charged with supporting the humane care and responsible use of animals for research and teaching purposes within the George Washington University (GW) and to provide support to its researchers and their staff.

Through close cooperation with GW’s Institutional Animal Care and Use Committee (IACUC), administration and researchers, our program has maintained continuous accreditation with the Association for Assessment and Accreditation of Laboratory Animal Care International (AAALACi) since 1974. In addition, we have an Assurance on file with NIH OLAW and are a registered research institution with USDA, respectively.

OAR provides GW researchers, their staff and their valuable animals with the highest standard of care and service in addition to assuring compliance with all university, local and federal regulations governing the humane care and use of laboratory animals.

**Director & Attending Veterinarian, Office of Animal Research**
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**Administrative Associate, Office of Animal Research**
Marissa Gigantana-Collado
Office: 202-994-2871
mcolladogwu.edu

OAR can provide the answers to these questions and more...
- What do I need in order to conduct animal research at GW?
- What is the process for importing or exporting animals?
- How do I gain access to my animals?
- How do I order animals, supplies, and drugs?
- What are the per diem rates and other fees for services?

Visit our website to learn more about our office and services:
https://animalresearch.gwu.edu
Office of Laboratory Safety

The Office of Laboratory Safety (OLS) oversees the university’s biological, radiation, and laser safety programs ensuring that all laboratory research is conducted safely and in compliance with all federal and local regulations, guidelines, and best practices. Its goal is to minimize risks to all individuals working with or around hazardous materials and any risk posed to the environment.

OLS collaborates closely with researchers, departments, divisions, Health & Emergency Management Safety, the Office of Animal Research, the Office of Human Research, the Office of Sponsored Projects, and the Export Controls Office.

OLS is the administrator of the Institutional Biosafety Committee (IBC) and the Radiation Safety Committee.

OLS provides:

- Risk assessments
- SOP development
- Training
- Assistance with IBC protocols and submissions
- Laboratory inspections
- Exposure assessments
- Incident investigations
- Administration of Biosafety Cabinet certifications
- Assistance with CDC and USDA permit applications
- MTA reviews
- Guidance in laboratory design

Contact Us

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2300 I Street, NW; Ross Hall, Suite B-05; Washington, DC 20037
labsafety@gwu.edu
https://labsafety.gwu.edu
Responsible Conduct of Research
Research Integrity and Compliance promotes training in the Responsible Conduct of Research (RCR) and features the RCR@GW and Beyond course and the RCR Monthly Series, offered in the fall and spring semesters. RCR training also includes other live, interactive RCR productions and workshops as well as online RCR training offered through the Collaborative Institutional Training Initiative (CITI). We also facilitate new programs that model best practices for RCR of top-tier research institutions.

Research Integrity
In furtherance of GW’s Statement of Ethical Principles, we support university efforts in promoting the highest standards of ethical research and scholarly conduct while pursuing our research mission. This includes serving as a resource to faculty seeking guidance, support or training on any issues related to research integrity.

Policy, Regulatory Analysis and Support
We assist in developing and reviewing university policies related to research and in implementing applicable laws and regulations. Training is also offered to better enable the research community to be well-grounded in research ethics and requirements for conducting research in a manner that reflects well on the researcher, laboratory, department and/or institute, school and university.

Export Control
Research Integrity and Assurance serves as the university resource for supporting compliance with export control laws and regulations as well as sponsor and university requirements related to export controls. This includes providing support and training in complying with export control laws, regulations and GW's Export Control Policy which governs the export of certain commodities, information technologies, software and services for reasons of national security and foreign policy.

Financial Conflict of Interest
To promote understanding and compliance, our office supports efforts related to regulatory requirements and administering the university’s Conflict of Interest and Commitment Policy, including on Public Health Service and other federal and non-federal research projects.

Data Use Agreements
Data Use Agreements (DUAs) are legally binding contracts between GW and another executing party that provide the terms for transferring data. Our office reviews and approves all DUAs. To begin the process, please complete the intake questions within the Agreements module in myResearch.

For more information
https://researchintegrity.gwu.edu
The **GW Office of Innovation & Entrepreneurship** (GWOIE) provides programming around innovation, education, venture creation and making connections to support GW faculty, student and alumni entrepreneurs. The office serves as a focal point for innovation and entrepreneurship for all schools at GW. We support your interests in the teaching, research, and/or practice of innovation and entrepreneurship. [Sign up for our weekly newsletter](mailto:innovate@gwu.edu) to get the most up-to-date information.

**The Innovator's Journey**
GWOIE supports faculty and researchers throughout the innovator's journey as your research and scholarship may make its way into commercial use. We have resources available at all stages.

**National Science Foundation I-Corps Hub: Mid-Atlantic Region**
GW is one of the partner universities for the NSF I-Corps Hub for the Mid-Atlantic Region, which includes universities in DC, Virginia, Maryland, Pennsylvania and North Carolina. The Hub provides Lean Innovation workshops, training courses, mentoring, grants, and support for customer discovery and getting your research and scholarship into practice. The purpose of the I-Corps is to train researchers to think like entrepreneurs about the potential commercial impact of their research and scholarship beyond their labs or classrooms. All interested faculty are invited to contact the office and/or join the monthly [Intro to Lean Innovation workshops](mailto:innovate@gwu.edu) to learn more.
Mentors-in-Residence Program
The primary goal of the Mentors-in-Residence (MIR) program is to engage GW students, faculty and staff with seasoned entrepreneurs and business executives. Through various activities and office hours, mentors provide guidance, coaching, perspective, and connections to enhance entrepreneurship at GW.

Team Development Program
The Team Development Program provides ongoing mentorship to innovators who are committed to the Lean Innovation and Customer Discovery process after completing the Intro to Lean Innovation Workshop and training program. A special Team Development Mentor-in-Residence will be assigned to work with you on a long-term basis and coordinate additional resources and subject matter expertise as necessary.

GW Innovation Exchange
The GW Innovation Exchange is an online community for GW affiliates to connect with colleagues, mentors, students, and subject matter experts to find answer to your questions, recruit team members, and keep up to date about different opportunities in innovation and entrepreneurship.

GW I+E Lab at 2000 Penn
The GW I+E Lab provides free access to HeyDay, a state-of-the-art co-working space at 2000 Pennsylvania Ave, to qualifying faculty and student innovators for their entrepreneurial endeavors.

Penn West Equity and Innovation District
Penn West is a new initiative with the DC government and Golden Triangle Business Improvement District to develop a cluster of tech startups, entrepreneurs, incubators and associated businesses along Pennsylvania Avenue north of the GW Foggy Bottom campus that is committed to solutions for diversity, equity and inclusion. It will provide new opportunities for collaborative research and innovation for GW faculty and researchers with startups, larger tech companies, and investors.

The GW New Venture Competition (NVC)
The GW New Venture Competition (NVC) moves student ideas from ideation to implementation. Started in 2008, The NVC is the 3rd largest collegiate competition in the country, and provides GW students, faculty, and alumni with real-world experiences in entrepreneurship that can't be replicated anywhere else. Students can compete in three tracks — Tech, Social, and New Venture — and bring an idea to the table, work with mentors to craft and pitch a stellar idea and vie for cash and non-cash prizes equaling more than $500,000. Teams with faculty participation historically tend to compete well. Some faculty have also used participation in the NVC as part of their course. (February - Mid April).

In Collaboration with the Technology Commercialization Office
The Technology Commercialization Office (TCO) oversees all aspects of technology commercialization at GW. Reaching out to TCO is the first step to protecting your research and getting connected with experienced businesspeople who also have broad technical backgrounds.
The Technology Commercialization Office (TCO) maximizes the economic and social benefit of researcher’s innovations by commercializing university inventions, creating diverse partnerships, encouraging entrepreneurship and supporting a culture of innovation. TCO serves as a bridge between GW faculty and businesses, entrepreneurs and investors.

TCO’s core team is augmented with a strong network of business and technical advisers and collaborates with GW’s Office of Innovation and Entrepreneurship. TCO’s business- and service-focused approach has demonstrated success. With the strong and growing research base at GW, we expect technology commercialization to grow to the next level at GW.

Success Stories

- GW faculty member Lakhmir S. Chawla, MD developed a new therapeutic, GIAPREZA™, for people in septic or other distributive shock. Our commercial partner, La Jolla Pharmaceutical Company, brought GIAPREZA™ to market in 2017, just three years after licensing from GW.

- Dr. Michael Keidar’s lab developed a plasma thruster to keep small satellites in orbit. In 2015, one of Dr. Keidar’s thrusters was launched into space on a NASA satellite. This is a great testament to the robustness of the technology and accelerated our licensing to a commercial partner, Phantom Space Corporation.

Funding Opportunities

- TCO’s Technology Maturation Awards of up to $50,000 for up to 12 months support proof-of-concept, prototyping, technology development and/or scale-up work for select inventions that have been disclosed to TCO. TMA applications are peer-reviewed by experienced entrepreneurs. Successful TMA projects generate the technology validation necessary to attract experienced licensees.

Events

- TCO’s Innovation Competition, hosted bi-annually in the spring, gives GW researchers and their technologies exposure to investors, entrepreneurs, attorneys and others outside of the university community, all of whom could help with the development of their technology. TCO awards $30,000 in prizes in two categories—Physical Science and Life Science. Faculty and students are highly encouraged to disclose inventions to be eligible for the opportunity to showcase their promising and impactful research!

- TCO’s Startup Showcase held in alternation with the Innovation Competition, provides exposure to startups that license technologies from GW. At these events, startups pitch to investors and GW inventors have an opportunity to learn about the steps needed to develop commercial products from their inventions.

It Starts with One Small Step

Contact us if you are a GW researcher and would like to discuss potential next steps for commercializing your innovation. We will ensure that your innovations have the greatest impact.
Library Support and Services

Research is at the heart of GW and GW Libraries and Academic Innovation (LAI) offers the resources and tools needed by researchers at all levels - from undergraduate to postdoc. LAI librarians and staff provide assistance throughout the research life cycle. Whether you need expert advice on how to manage your data, a consultation to determine the best program for statistical analysis, access to a wide range of published material to write your literature review, or information on retaining your author rights, GW Libraries and Academic Innovation has the support you need.

View upcoming LAI workshops related to topics below and filter by topic

Published Research Resources
Whether you are on campus, in the area, or across the globe, we are dedicated to providing you with the materials you need to continue your research and teaching. GW students and faculty may request books or physical items and have them delivered to their preferred address or held for contact-free pick up if a suitable digital option is not available.

On the library website, you'll find access to hundreds of databases and thousands of journals, e-books, data sets, and other materials. Librarians are available to help you get started or find the resources you need. GW ScholarSpace is GW’s official repository for scholarly work. You can deposit your own research or search for past student, faculty, and institute research papers. Even many of GW’s rare and unique resources are available virtually through GW’s Special Collections.

State-of-the-Art Research Tools
Modern research requires modern tools, and that toolkit is expanding all the time. Experts are available to provide introductory workshops, in-depth consultation on your established project, or advice on which tool to choose for a specific project.

Coding
Automate your data collection and cleaning with Python, use R to conduct hypothesis tests on categorical data, or build a website for your project using GitHub Pages. Librarian developers can introduce you to the tools for programmatic data analysis, help debug your code, and recommend resources for learning more. Make an appointment with a librarian developer.

Copyright
Do you know when and how to request copyright permission? Do you need copyright permission for your own previously published work? Our compliance officer can answer your questions to avoid problems later. Make an appointment with the compliance officer.
Data Management
Librarians can help you find data sets, organize the data you collect, and prepare your data for long-term storage and sharing. Make an appointment with a data librarian.

Visualizing Data with Maps
Gather, manage, and analyze your data using Geographic Information Systems (GIS) to gain deeper insights into patterns and relationships. Make an appointment with a GIS specialist.

Multimedia and Digital Storytelling
Use your free access to Adobe Creative Cloud to create videos, podcasts, research posters and much more. The CREATE digital studio can support you with equipment to check out, and AV production studio, classroom instruction on various tools, and personalized assistance. Make an appointment with a multimedia specialist.

ORCID
Distinguish yourself as a researcher and permanently connect your names(s) with your work throughout your research career. Librarians can help you set up, update, or connect your ORCID ID (Open Researcher and Contributor ID) with other systems such as SciENcv. Make an appointment with a librarian.

Publishing
Learn more about understanding your publishing agreement and how to protect your rights as an author. Our compliance officer can answer your questions to make sure you don’t sign away the rights to your hard work. Make an appointment to discuss your author rights.

Social Media Data
Easily collect social media data from Twitter, Tumblr, Flickr, and Sina Weibo using Social Feed Manager, an open source software developed by GW librarian developers and used by researchers all over the world. Book a consultation to get started collecting the data you need. Make an appointment on collecting social media data.

Special Collections
Celebrate GW’s bicentennial by perusing GW Past, expand your knowledge of US labor history by exploring the Teamsters archives, and delve into the full breadth of our collection of rare, unique, and archival resources in the Special Collections Research Center. Make an appointment with a Special Collections librarian.

Statistical Consulting
Get personalized help with statistical analyses in C++, Excel, Java, MatLab, mySQL, Python, R, SAS, SPSS, SQL, STATA, and Tableau. Make an appointment with a statistical consultant.
# Research Technology Services (RTS)

Providing research computing services to the GW Community to enhance GW’s research faculty competitiveness and success.

[https://it.gwu.edu/research-technology-services](https://it.gwu.edu/research-technology-services)

## Service Offerings

<table>
<thead>
<tr>
<th>Service</th>
<th>Key components</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Services / Data Management</td>
<td>Data Hosting, H-performance Transfers, Databases (AWS RedShift, Panoply)</td>
</tr>
<tr>
<td>Network</td>
<td>CAAREN, Internet2, Global Research Networks, High Speed Data Transfer</td>
</tr>
<tr>
<td>Cloud</td>
<td>AWS, Google Cloud Platform (GCP), Azure, RONIN, NIH STRIDES, Equinix</td>
</tr>
<tr>
<td>Identity</td>
<td>Affiliates, Federated, Certificates, Account Provisioning</td>
</tr>
<tr>
<td>Storage</td>
<td>BOX, StrongBox, Pegasus, Armor, Research NAS (Qumulo)</td>
</tr>
<tr>
<td>Applications</td>
<td>REDCap, MDAP, Galaxy, Globus</td>
</tr>
<tr>
<td>Machine Learning</td>
<td>AWS Sagemaker, Google AI platform</td>
</tr>
<tr>
<td>System Administration and Support</td>
<td>Linux &amp; Windows Workstations</td>
</tr>
<tr>
<td>HPC and Big Data</td>
<td>Pegasus, HTCondor / OpenScience Grid,</td>
</tr>
<tr>
<td>Technology Consulting</td>
<td>Cloud environments, Architectures, Program Debugging</td>
</tr>
<tr>
<td>Computational and Analytics Support</td>
<td>Build and Support Analytical Efforts, Tool Selection</td>
</tr>
<tr>
<td>Training</td>
<td>LAI Carpentry workshops, AWS and Google Training Programs</td>
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<tr>
<td>Data Management Plans, Security Reviews</td>
<td>Reviews and guidance for compliance</td>
</tr>
<tr>
<td>Cyberinfrastructure and Cloud Engineering</td>
<td>Protected Data Environments, Custom Configurations, General Support</td>
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## HPC Cluster and High Performance Research Network

<table>
<thead>
<tr>
<th>Resource</th>
<th>Go here for…</th>
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</thead>
<tbody>
<tr>
<td><strong>HPC Cluster – Main (Pegasus)</strong></td>
<td>General information, request access to the Cluster, read HPC Cluster documentation, the environment and status</td>
</tr>
<tr>
<td>HPC Help: Inquiries and Support e-mail <a href="mailto:hpchelp@gwu.edu">hpchelp@gwu.edu</a></td>
<td>Problem resolution, request access, troubleshoot program code, Cluster performance issues, general assistance</td>
</tr>
<tr>
<td>CARREN (Capital Area Advanced Research Network)</td>
<td>General information on CAAREN, support assistance, specifications, projects in CAAREN and affiliated organizations</td>
</tr>
</tbody>
</table>

## RTS Information

<table>
<thead>
<tr>
<th>Resource</th>
<th>Go here for…</th>
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</thead>
<tbody>
<tr>
<td>Request RTS Service (intake request)</td>
<td>Request existing service, data transfer, account provisioning, storage, workstation, etc., request assistance with grant proposals</td>
</tr>
<tr>
<td>RTS Inquiries and Consulting e-mail <a href="mailto:rtshelp@tickets.arc.gwu.edu">rtshelp@tickets.arc.gwu.edu</a></td>
<td>Initial contact, establish a new relationship, consulting assistance, develop custom engineered solutions with estimated cost, guaranteed response within 24 – 36 hours</td>
</tr>
</tbody>
</table>

## Contacts

<table>
<thead>
<tr>
<th>Name/Title</th>
<th>Email/Phone</th>
<th>Contact for…</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clark Gaylord, Director, Research Technology Services (RTS)</td>
<td><a href="mailto:cgaylord@gwu.edu">cgaylord@gwu.edu</a> 571.553.0070</td>
<td>General inquiries, vision, strategy, relationship building, prioritization, problem escalation and funding</td>
</tr>
<tr>
<td>Rabeel Iqbal, Manager, Research Technology Services (RTS)</td>
<td><a href="mailto:rIQbal@gwu.edu">rIQbal@gwu.edu</a> 571.345.8521</td>
<td>General inquiries, oversee HPC systems, diagnose hardware &amp; software problems, problem escalation, manage team</td>
</tr>
<tr>
<td>Theo Bosnak, Digital Transformation Specialist</td>
<td><a href="mailto:tBosnak@gwu.edu">tBosnak@gwu.edu</a> 703.625.9041</td>
<td>Liaison, relationship and awareness building, services development, and referrals</td>
</tr>
</tbody>
</table>
Communicating GW Research

Communicating broadly about your research and original scholarship can help boost its impact, reach potential funders or collaborators, make it easier for others to find and cite your work, and inform the public debate on societal issues.

GW’s Office of Communications and Marketing has helped GW scholars share their discoveries and work with different audiences in a number of different ways, including press releases, web stories, video, Op-Eds, graphics or illustration support, engaging policymakers, events, and more.

There is no one-size-fits-all approach to communicating about your research. Depending on your news or needs, we will assess it together and determine how best to support you. Below are some tips to help you get started and other resources.

Reach out Early
Strategic communications planning is most effective with advanced notice. Reach out to the GW Research Communications team as soon as you submit a manuscript for publication, accept an invitation to speak at a broadly publicized event, or just to give a heads up about something that could be coming down the road.

To start the process, email Kathleen Garrigan, director of research communications, at kgarrigan@gwu.edu. In your message, provide as many details about your news and/or needs as possible, including a summary or draft of any publication. We will likely set up an initial consultation with you to learn more, and then assemble a team of communications specialists to coordinate next steps.

Media Training & Interview Preparation
The Office of Media Relations assists GW researchers and scholars in sharing their expertise with the world. Support may include strategic media plan development, press material development and distribution, media training and interview preparation, interview scheduling and logistical support.

- Guidance on interacting with the press

Learn more about GW Media Relations by visiting mediarelations.gwu.edu. To speak with a media relations specialist, email gwmedia@gwu.edu.
Op-Eds and Writing for Non-Academic Audiences

Through your research and expertise, you have the potential to impact the conversation around important issues of the day. One effective way of doing that is through Op-Eds and other first-person commentaries that reach diverse audiences within and beyond the academic community. Sharing your knowledge through an Op-Ed is often a great way to both draw attention to your research and work while also informing on issues important to policymakers, industry leaders, other academic researchers and the broader public.

If you’d like to explore the idea of writing an Op-Ed, GW Communications and Marketing can work with you to think through your key messages, call to action, target audience(s) and possible outlets, as well as support you throughout the Op-Ed journey. To start the process, contact Kathleen Garrigan at kgarrigan@gwu.edu.

Research Illustrations

Images and graphics can enhance an audience’s understanding of information, attract attention on a page, and can serve as artwork for magazines, journals, news outlets, and funding proposals. The Office of the Vice Provost for Research (OVPR) and the Office of Communications and Marketing support the creation of illustrations based on specific criteria.

- Read more and submit a request

Research Presentation Template

A PowerPoint template has been created that provides a high-level overview of GW’s research enterprise. It highlights our growth as a global research institution, some of our world-class research facilities located in the heart of Washington, D.C., the breadth and diversity of our research programs, our innovation impact, and how we facilitate and celebrate student research. The GW community is invited to download the slide deck and adapt it as appropriate for their needs.

- Download the PowerPoint Template
GW students have made important contributions to research projects by collecting data, assisting in writing grant proposals and even co-authoring articles. Faculty expand the capabilities of their research programs when they provide well-structured opportunities for undergraduates to participate.

Post Your Research Internship on GW Student Research Commons

Faculty can post for-credit and other experiential opportunities on GW Student Research Commons:

• Reach a broad audience of GW students beyond your classroom
• Easy to post, with built-in workflows
• Receive applications directly or customize the online application template

⚠️ Additional guidance for posting research internships is available at go.gwu.edu/mentoredresearch

▶ Send us your feedback at researchcommons@gwu.edu

Partners

• Center for Undergraduate Fellowships and Research
• Office of the Vice Provost for Research
• Office of the Provost
• GW Libraries and Academic Innovation
• University Career Services
• Office for Student Success