



UGA's Research Mission

Larry Hornak, Associate Vice President for Research, Professor of ECE
Jill Tincher, Executive Director, Sponsored Projects Administration
Jake Maas, Director, Office for Proposal Enhancement

Aug. 2, 2023



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Welcome from Vice President for Research, Karen J. L. Burg

- Harbor Lights Chair in Biomedical Research in the College of Veterinary Medicine
- Named Vice President for Research in 2021



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GEORGIA
2025 STRATEGIC PLAN

The 2025 Strategic Plan sets a course to reach new heights of excellence through three broad and mission-centered strategic directions.

1 Promoting excellence in teaching and learning

2 Growing research, innovation, and entrepreneurship

3 Strengthening partnerships with communities across Georgia and around the world

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Your Research, Scholarly and Creative Activities are Central to Achieving UGA's Strategic Goals

Your...

- Teaching of your students engaged in research, outreach and creative work,
- Impactful research and scholarship programs you develop, and
- The partnerships and trusted relationships you build

are all fundamental to achieving UGA's Strategic Plan and UGA's Research Goals



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A sample of our faculty's external recognition

Guggenheim Memorial Foundation



National Academy of Sciences





MacArthur Foundation



National Academy of Inventors



American Association for the Advancement of Science



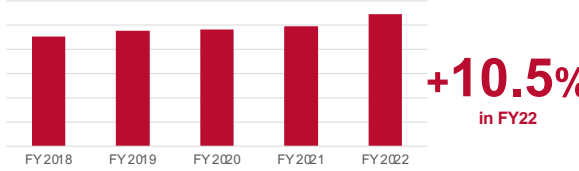
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Help Continue This Trend


**UGA's R&D Expenditures,
FY 2016-2022**



Source: National Science Foundation Higher Education Research and Development Survey <https://www.nsf.gov/statistics/srvyherd/>

Fiscal Year	2018	2019	2020	2021	2022
TOTAL (Millions)	\$453	\$478	\$483	\$494	\$546
Federally funded contracts and grants	\$149	\$160	\$171	\$188	\$220

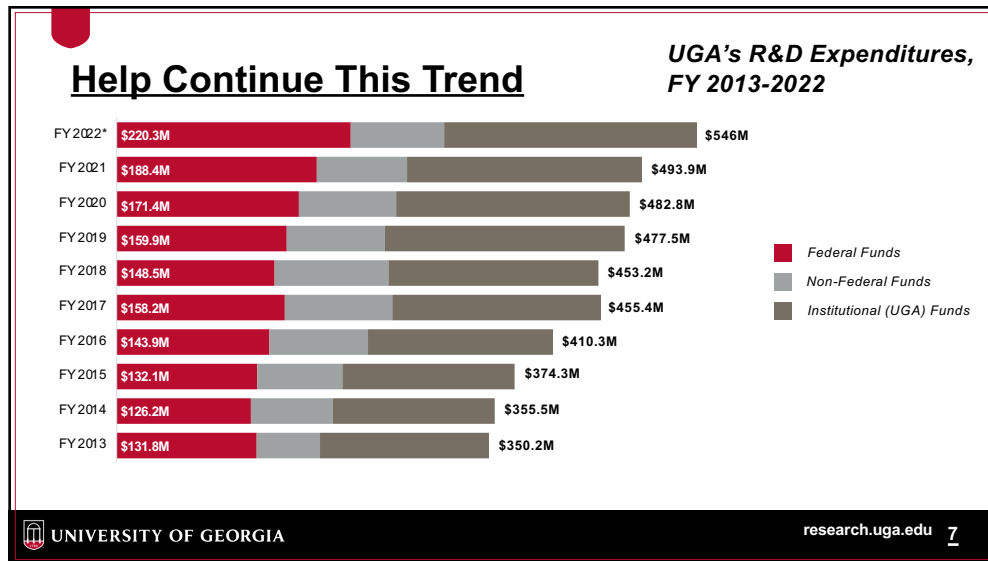
- UGA exceeded \$0.5B per year in total R&D expenditures
- Increasing federally funded grants & contracts is a priority



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NSF HERD Rankings

Table 21. Higher education R&D expenditures, ranked by FY 2021 R&D expenditures: FYs 2010-21

Institution	2021			2020			2019			2018			2017		
	Rank	Percentile	R&D expenditures	Rank	Percentile	R&D expenditures	Rank	Percentile	R&D expenditures	Rank	Percentile	R&D expenditures	Rank	Percentile	R&D expenditures
U. Colorado Boulder	52	6.6	547,724	54	6.7	525,674	52	6.5	513,822	49	6.2	514,573	48	6.2	499,389
North Carolina State U.	53	6.7	547,118	51	6.4	546,290	49	6.2	541,100	51	6.4	509,841	47	6.1	500,445
Virginia Polytechnic Institute and State U.	54	6.8	542,045	49	6.2	556,341	48	6.1	541,969	47	6	531,636	46	6	522,425
U. California, Irvine	55	6.9	523,752	55	6.8	490,597	57	7.1	448,967	58	7.2	426,610	65	8.1	361,414
U. Chicago, The	56	7	497,651	57	7.1	458,891	56	7	459,171	59	7.3	423,993	55	7	433,328
UGA U. Georgia	57	7.1	493,944	56	7	482,786	55	6.9	477,536	56	7	453,249	53	6.8	455,432
Scripps Research Institute, The	58	7.2	485,435	60	7.4	444,964	59	7.3	427,734	61	7.5	396,839	66	8.2	354,582
SUNY, Polytechnic Institute	59	7.3	465,273	74	8.9	355,651	73	8.8	352,889	93	11	257,358	75	9.2	308,861
Oregon Health and Science U.	60	7.4	452,812	59	7.3	446,890	61	7.5	415,629	66	8.1	372,180	69	8.5	348,449
Colorado State U., Fort Collins	61	7.5	447,197	65	7.9	407,302	65	8	398,477	65	8	374,955	70	8.6	338,404
California Institute of Technology	62	7.6	438,624	58	7.2	449,651	64	7.8	399,931	63	7.8	391,003	60	7.5	400,312

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Research Excellence

Provost's Task Force on Academic Excellence

- Precision agriculture
- Environmental sciences
- Biomedical science (especially brain science)
- Social science
- Security—cybersecurity, national security, food security



Cluster hire initiatives

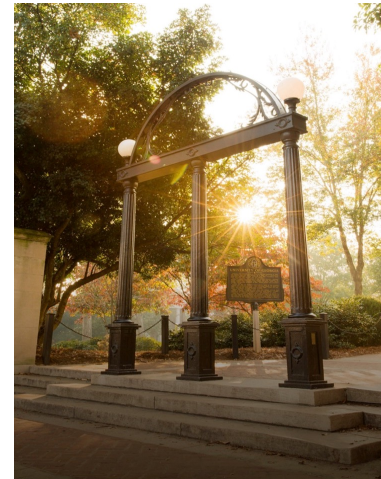
- Artificial intelligence, machine learning, & data science
- Integrated precision agriculture
- Brain & behavioral health



Office of Research: Our Mission

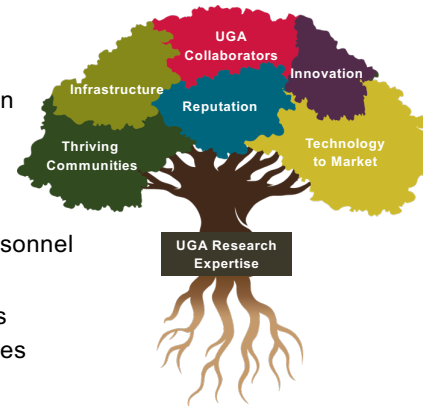
Encourage, Support, Promote and Recognize *your research, scholarly and creative activities*

The Office of Research encourages and supports innovative interdisciplinary research, scholarship and creative activities that contribute to the physical, emotional and economic well-being of the people of Georgia, the nation and the world. Through partnerships and collaborations, we seek to share knowledge, increase innovation and deliver the products of our research to the marketplace.



How do we encourage and support research?

- Seed grants
- Team building
- Proposal development and submission
- Partnerships and initiatives
- Facilities, technology, and resources
- Awards and recognition
- Safety and advocacy for research personnel
- Legal and ethical compliance
- Intellectual property and new ventures
- Communicate UGA research successes



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How We Encourage

18 Interdisciplinary research centers, institutes and initiatives to draw upon

<https://research.uga.edu/centers-institutes/>

Three examples:

- The Willson Center for Humanities and Arts
- Owens Institute for Behavioral Research
- Biomedical and Translational Sciences Institute



Jody Clay-Warner, OIBR

Nicholas Allen, Willson Center

Brad Phillips, BTSI

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How We Encourage

Internal Grant programs



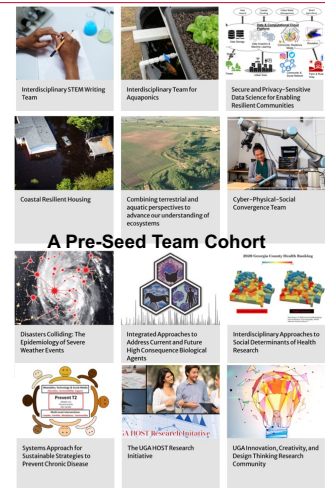
Shelley Hooks
Internal Grants,
Research Personnel



Larry Hornak
Integrative Team
Initiatives

<https://research.uga.edu/iga/grants/>

- Faculty Research Grants
 - Seed grants in sciences and engineering
 - Arts and Humanities: Willson Ctr
 - "Grants on the Edge/within Reach"
- Research Team Support
 - Team Formation & Development
 - Pre-Seed and Seed Grants
 - Large Team Leadership Training
 - Major Integrative Proposal Support



How We Support

Proposal Development, Mission Agency Relationships



Jake Maas
Proposal Enhancement
<https://research.uga.edu/proposal-enhancement/>




Larry Hornak
UGARI, Defense and
Security Collaborations
<https://research.uga.edu/dsc>

- Office for Proposal Enhancement
 - Large, complex proposal development
 - Resubmission strategy and narrative editing
 - Grantsmanship training
- UGA Research Institute (UGARI), Office of Defense & Security Collaborations
 - Facilitates Defense, Energy, and Security Agency Relationships
 - Support faculty in mission-driven research and its special needs - proposal through execution



How We Support



Carl Bergman
Core Labs and Research Facilities



Eric Ferreira
Core Labs and Research Facilities Fellow

Core Facilities

- Instrument Design and Fabrication
- Bioimaging
- Statistical Consulting

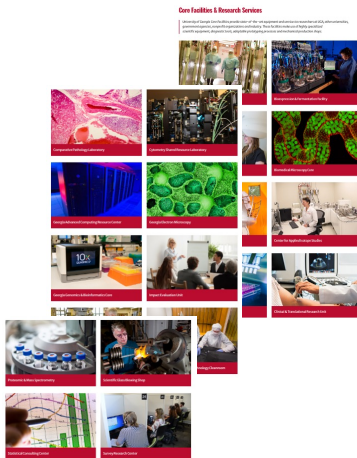
<https://research.uga.edu/core-facilities/>

Unique Facilities

- University of Georgia Marine Institute
- Skidaway Institute of Oceanography
- Savannah River Ecology Laboratory (SREL)
- UGA-Tifton and Griffin

Extension, Public Service and Outreach Partnerships

Core Facilities & Research Services





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How We Support



Derek Eberhart,
Entrepreneurship and Technology Transfer



Ian Biggs
Startups, Innovation Gateway



Kyle Tschepikow
Business Engagement and Innovation

Innovation Gateway

<https://research.uga.edu/gateway>

Assists faculty and students with

- Intellectual Property Protection & Licensing
- NSF I-Corps, Accelerator
- Programming for aspiring innovators
- Startup Incubator
- Growing Innovation District

Office of Business Engagement

<https://dar.uga.edu/business-engagement>

- Partnerships with industry
- Shared value from research, innovation, creative works workforce development

2022 Golden Helix Awardees



Can I Recycle This? Startup

Innovation Bootcamp

Delta Innovation Hub



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We help to assure research with integrity

The Office of Research Integrity and Safety (ORIS) supports studies with ...



Chris King
Research Integrity
and Safety

- Human subjects (IRB)
- Animal subjects (IACUC)
- Biohazardous agents (IBC)

ORIS also supports ...

- Export Control
- UGA research / lab safety initiatives
- Occupational Health services
- Research Misconduct investigations



activerain.com

<https://research.uga.edu/compliance>

How We Support



Shelley Hooks
Internal Grants,
Research Personnel

Personnel

- Postdocs
- Visiting Scholars
- Research Scientists



Jill Tincher,
Sponsored Projects

Sponsored Projects <https://spa.uga.edu>

- Proposal review and submission
- Award receipt, negotiation and account set up
- Financial management: invoicing, reporting and compliance
- Find funding
 - Pivot database:

<https://guides.libs.uga.edu/grants/pivot>

Sponsored Projects


Jill Tincher, Executive Director, Sponsored Projects Administration

August 2, 2023



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UGA FACULTY




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What are Sponsored Projects? (externally funded)



RESEARCH




INSTRUCTION



**COOPERATIVE
EXTENSION**




**AGRICULTURAL
EXPERIMENT
STATION**



**OTHER SPONSORED
ACTIVITIES**



PUBLIC SERVICE



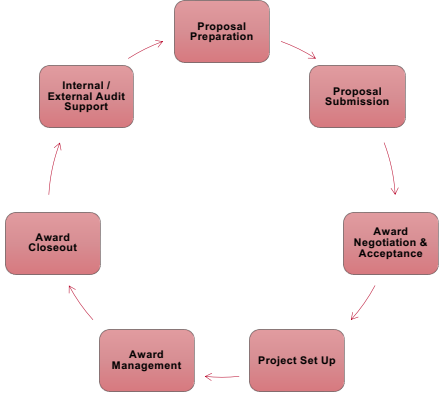
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Sponsored Projects Administration (SPA)

serves the UGA research community by providing expert guidance, exceptional service, and reduced administrative burden throughout the sponsored project lifecycle and allowing our investigators to foster positive change in the world.



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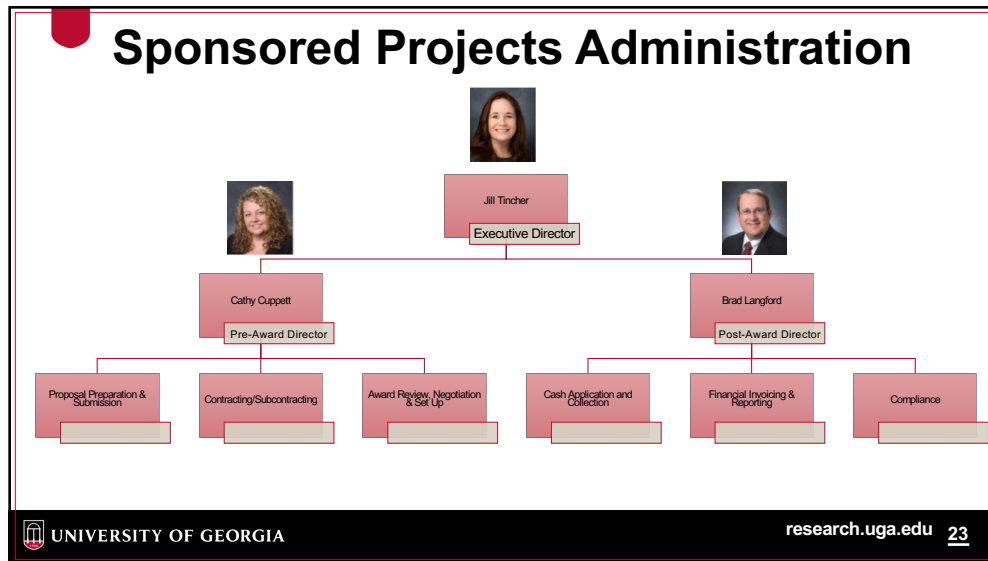
graph TD
    A[Proposal Preparation] --> B[Proposal Submission]
    B --> C[Award Negotiation & Acceptance]
    C --> D[Project Set Up]
    D --> E[Award Management]
    E --> F[Award Closeout]
    F --> G[Internal / External Audit Support]
    G --> A
    
```



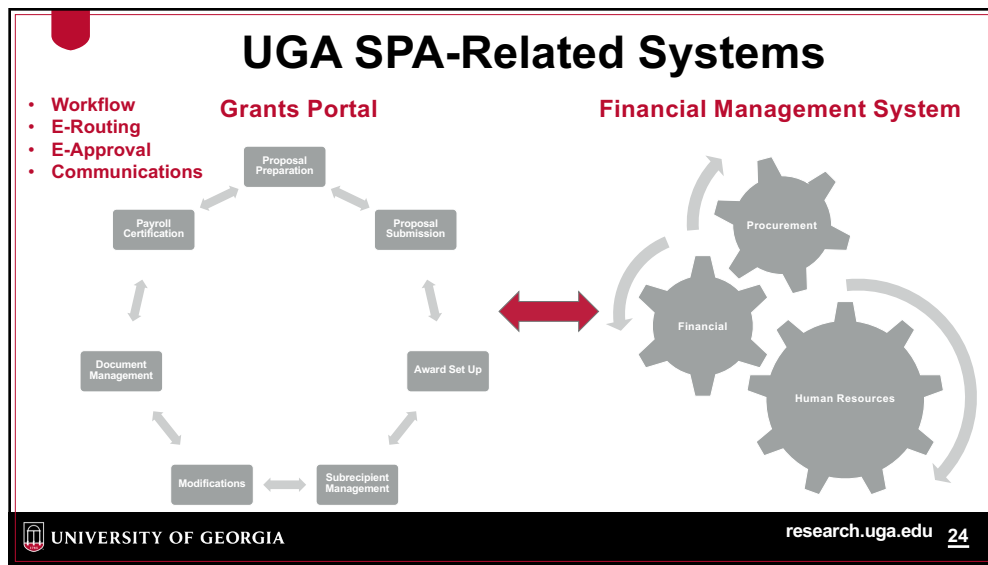
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Resources



Unit and Central Administrators



Delegated Limited Signature Authority



In-Person and Virtual Training



Robust Website
www.spa.uga.edu

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How Can SPA Help You?



The diagram illustrates the SPA's role in the research process. At the center is a large purple bubble labeled "Research Idea". Surrounding it are several other bubbles of different colors, each representing a specific area of support: "Grant Application" (blue), "Data Management Plan" (orange), "Human Subjects" (green), "IRB" (teal), "Office for Sponsored Programs" (light green), "Proposal Submission" (blue), "University Approval" (orange), "Expense Monitoring" (red), "Award Management" (purple), "Human Resources" (blue), "Contractual Agreements" (green), "Budget Justification" (pink), "Proposal Development" (teal), "Budget" (purple), "Subcontracts" (orange), and "Collaboration" (green).

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Proposal Enhancement

Jake Maas, Director


Aug. 2, 2023




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Office for Proposal Enhancement

<https://research.uga.edu/proposal-enhancement>



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graph TD; Maas["Jake Maas  
Director"]; Kirkland["Rebecca Kirkland  
Proposal Development Officer"]; Ankirskiy["Rachel Ankirskiy  
Research Development Professional"]; Maas --- Kirkland; Maas --- Ankirskiy;
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Proposal Development Support

- Large, complex proposals (3+ months' lead time)
- Proposals with broad institutional benefit: instrumentation, training grants, DEIA, IE
- Resubmissions
- Smaller proposals as we have time and capacity

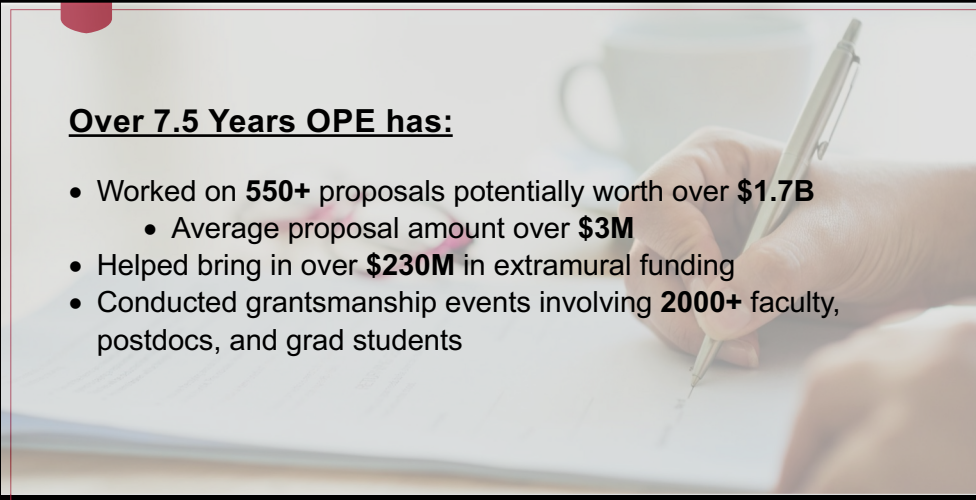


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Over 7.5 Years OPE has:

- Worked on **550+** proposals potentially worth over **\$1.7B**
 - Average proposal amount over **\$3M**
- Helped bring in over **\$230M** in extramural funding
- Conducted grantsmanship events involving **2000+** faculty, postdocs, and grad students




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Project Management Services

- Project Management (timeline/checklist for all proposal parts, schedule and coordinate meetings, etc.)
- Provide strategic advice on making proposal competitive
- Connect investigators with UGA resources, offices, units
- Coordinate collaborating institutions for a proposal
- Assist with sponsor communications
- Coordinate with SPA/DLSA

- Provide outlines for narratives and ancillary components
- Write sections as appropriate (e.g., resources, management, timeline, communications, outreach, DEIA)
- Develop/review ancillary documents (biosketches, facilities, collab letters, etc.)
- Edit proposal drafts
- Coordinate institutional support requests
- Manage “Red Team” review
- Assist with post-submission revisions



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Other Proposal-Specific Services (4+ weeks' lead time)

Resubmissions

- Analyze proposal reviews
- Talk through reviews with investigators
- Develop “resubmission strategy” in consultation with investigators
- Provide feedback/editing on resubmission

Proposal Editing (as capacity permits)

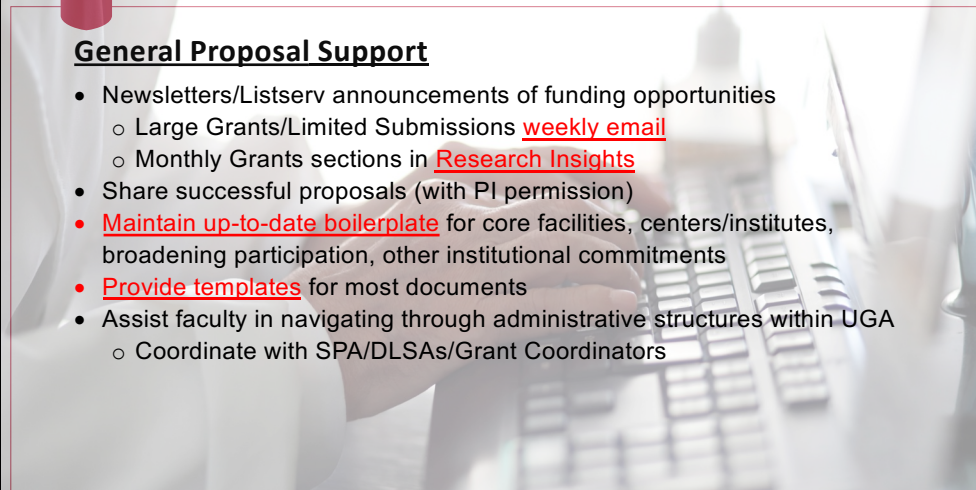
- Conformity with solicitation
- Effectiveness of argument for funding
- Organization, clarity, flow
- Word choice, grammar, spelling



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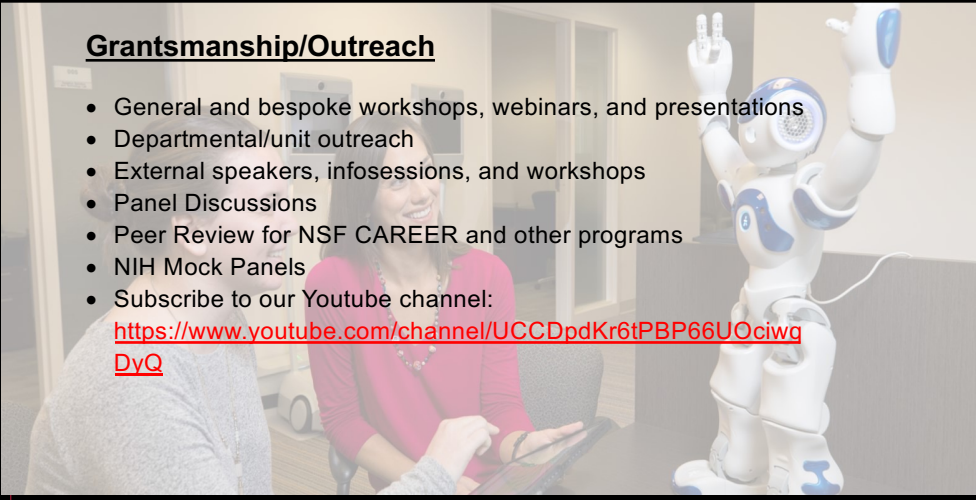


General Proposal Support

- Newsletters/Listserv announcements of funding opportunities
 - Large Grants/Limited Submissions [weekly email](#)
 - Monthly Grants sections in [Research Insights](#)
- Share successful proposals (with PI permission)
- [Maintain up-to-date boilerplate](#) for core facilities, centers/institutes, broadening participation, other institutional commitments
- [Provide templates](#) for most documents
- Assist faculty in navigating through administrative structures within UGA
 - Coordinate with SPA/DLSAs/Grant Coordinators


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Grantsmanship/Outreach

- General and bespoke workshops, webinars, and presentations
- Departmental/unit outreach
- External speakers, info sessions, and workshops
- Panel Discussions
- Peer Review for NSF CAREER and other programs
- NIH Mock Panels
- Subscribe to our Youtube channel:
<https://www.youtube.com/channel/UCCDpdKr6tPBP66UOciwgDyQ>

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The Impact of your Research, Scholarship and Creativity

UGA ranks Top 5 for 9th year for # of products reaching the market based on its research

- ~1100 products to date
- Vaccines, pharmaceuticals, turfgrass, peanuts, software, etc.



AWARDS & HONORS
Fagbami named 2022 Burroughs Wellcome Fund PDEP Fellow



PSYCHOLOGY
Cameras, not meetings, cause Zoom fatigue



HUMANITIES & ARTS
Jamie Kreiner and the quiet forces of history



INFECTIOUS DISEASE
Increasing the knowledge base on brain-eating amoeba



ANTHROPOLOGY
UGA study asks: Did democracy have a separate origin in the Americas?







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UGA Discovery → Impact: Technology Transfer




1100+
Products
Introduced to the Marketplace



Top 10
Licenses/Options with Industry among US Universities



60 Products
Reached the Market in FY2022




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UGA Discovery → Impact: Startups




250+ Startups
Launched Based on
UGA Research



\$531 Million
Annual Economic Impact from
Research-Based Startups



Top 15
For Active Startups among U.S.
Public Universities




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Translation & Impact through our Partnerships





NSF ENGINES Program Development Award


Next Generation Agriculture (Next GA): Engine for Robust, Adaptive Rural Innovation




Moultrie, GA:
Colquitt
County Seat,
Epicenter of
Georgia
Agriculture









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How We Support Recognition for your Research Achievements



Shelley Hooks
Internal Faculty Awards

Faculty Awards

<https://research.uga.edu/iga/awards>

- Nomination through Deans, Center/Institute Directors
- All Career Stages
- New Awards:
 - Research Communication
 - Team Impact
- Inventor and Entrepreneur Awards

2023 Team Impact



Team Impact Award
CARE Team

2023 Early Career Scholars



Nirva C. Bonaldi
Early Career Scholar

Lin Ma
Early Career Scholar

Emily Noble
Early Career Scholar



Brenna Williams
Early Career Scholar

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Stay Connected - Office of Research Channels



Mike Terrazas
Research Communications

Publications/Series

- Research Insights
- Research Live
- RCCR newsletter
- @UGAResearch website
- @UGAResearch newsletter
- Innovation Gateway newsletter
- Willson Center Newsletter

Listsersvs

- VPR research faculty
- Large grants & limited submissions
- Postdocs
- Research Personnel

<https://research.uga.edu/communications/guide-to-research-media/>

<https://research.uga.edu/start-your-research-program>

Large Grant Opportunities & Limited Submissions



Office of Research
UNIVERSITY OF GEORGIA

Large Grant Opportunities
Deadline: August 10, 2023
Awarded: \$100,000-\$2M

RESEARCH MATTERS

A monthly publication of the UGA Office of Research with the latest findings, perspectives and announcements in support of our research community. Sections include:

- Seed Grant Opportunities
- Large Grant Opportunities
- Postdocs
- Research Personnel
- Research Insights
- Research Communications

SEED GRANT OPPORTUNITIES

Seed grants are small grants that support the early stages of research projects. They are typically awarded to faculty members who are new to the university or who are starting a new research program.

LARGE GRANT

Large grants are typically awarded to faculty members who have a strong track record of research and are looking to expand their research program. They are typically awarded to faculty members who are in the middle or late stages of their careers.



@UGAResearch

Farming for the future: UGA leads the way in precision agriculture

Willson Center for Humanities & Arts
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FORD FOUNDATION JustFilms

Ford Foundation offers year-round grants for film and new media projects exploring inequality

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Who to contact in the Office of Research?



Shelley Hooks
Internal Grants, Research
Personnel



Jake Maas
Proposal Enhancement



Jill Tincher,
Sponsored Projects



Chris King
Research Integrity and Safety, Research
Security & Export Control



Larry Hornak
Integrative Team Initiatives, Limited Submissions,
Defense and Security Collaborations



Eric Ferreira
Core Labs and Research
Facilities Fellow



Derek Eberhart,
Entrepreneurship and
Technology Transfer



Kyle Tschepikow
Business Engagement
and Innovation



Mike Terrazas
Research
Communications



Ian Biggs
Startups, Innovation
Gateway



Carl Bergman
Core labs and
Research facilities

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We're here to help!

Toolkit to jumpstart your research


- <https://research.uga.edu/start-your-research-program>


Not sure who to ask?

- ovpr@uga.edu or 706-542-5969

We want to hear from you

- Share your feedback






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Thank you!

Questions for our Team?



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Office of Research