



Welcome!

**Welcome!**  
**Today's session will begin shortly.**



# Zoom Webinar Reminders

- Zoom technical support at 1-888-799-9666, option 2
- Audio streamed through your speakers
- Submit questions at any time in the Q&A box at the bottom of your screen
- Webinar recording, slides, and session summaries posted shortly after the event at **thefdp.org**



**FEDERAL DEMONSTRATION PARTNERSHIP**

Redefining the Government & University Research Partnership

# Opening Plenary: Welcome & Federal Updates

FDP Co-Chairs

Richard Seligman, California Institute of Technology

Michele Masucci, Temple University

FDP Meeting

May 21, 2020



**FEDERAL DEMONSTRATION PARTNERSHIP**  
Redefining the Government & University Research Partnership

# Federal Updates

Moderator:  
Debbie Rafi, Office of Naval Research



# Office of Naval Research Update

## Federal Demonstration Partnership

May 2020



O F F I C E O F N A V A L R E S E A R C H





# ONR Update

- **FedConnect – ONR's new Vendor Portal**
- **Changes in Operations due to COVID-19**
- **Closeout Initiative**
- **Personnel Changes**

POCs:

Debbie Rafi, Director, Contracts, Grants, and Acquisition [debbie.rafi@navy.mil](mailto:debbie.rafi@navy.mil)

Wade Wargo, Director, University Business Affairs [wade.wago1@navy.mil](mailto:wade.wago1@navy.mil)

DISTRIBUTION STATEMENT A. Approved for  
public release



- ONR Vendor Portal – is LIVE
  - For submission of White Papers under the ONR FY20 Broad Agency Announcements (BAAs) and certain Funding Opportunity Announcements (FOAs)
  - For submission of Contract Proposals under the ONR FY20 Broad Agency Announcements (BAAs)
- Does not replace the use of Grants.gov for submission of grant proposals

**Proposals for grants will continue to be submitted through Grants.gov**

DISTRIBUTION STATEMENT A. Approved for  
public release



## FedConnect ONR's Vendor Portal

- ONR Vendor Portal – Effective 21 APR 2020
  - Assigns a tracking number for your submission
    - Refer to your tracking number on all subsequent email correspondence
  - White Papers – Cover Page now required
    - 3 page Fillable PDF
    - Download from ONR website
  - White papers submitted directly to Program Officer (PO) – ONR PO will inform submitter to resubmit through FedConnect
  - ONR POC for questions:
    - [susan.sutherland@navy.mil](mailto:susan.sutherland@navy.mil)
    - [melanie.alston1@navy.mil](mailto:melanie.alston1@navy.mil)

DISTRIBUTION STATEMENT A. Approved for  
public release





- How do I submit a White Paper or Contract Proposal through FedConnect?
  - Establish a free Account at FedConnect
    - Use “Sign In” access after your account is established
  - Search for Public Opportunities at Fed Connect
    - Search by Agency: “Navy-ONR”
    - Follow the FedConnect process to submit
    - Do not need an account to search for funding notices

DISTRIBUTION STATEMENT A. Approved for  
public release

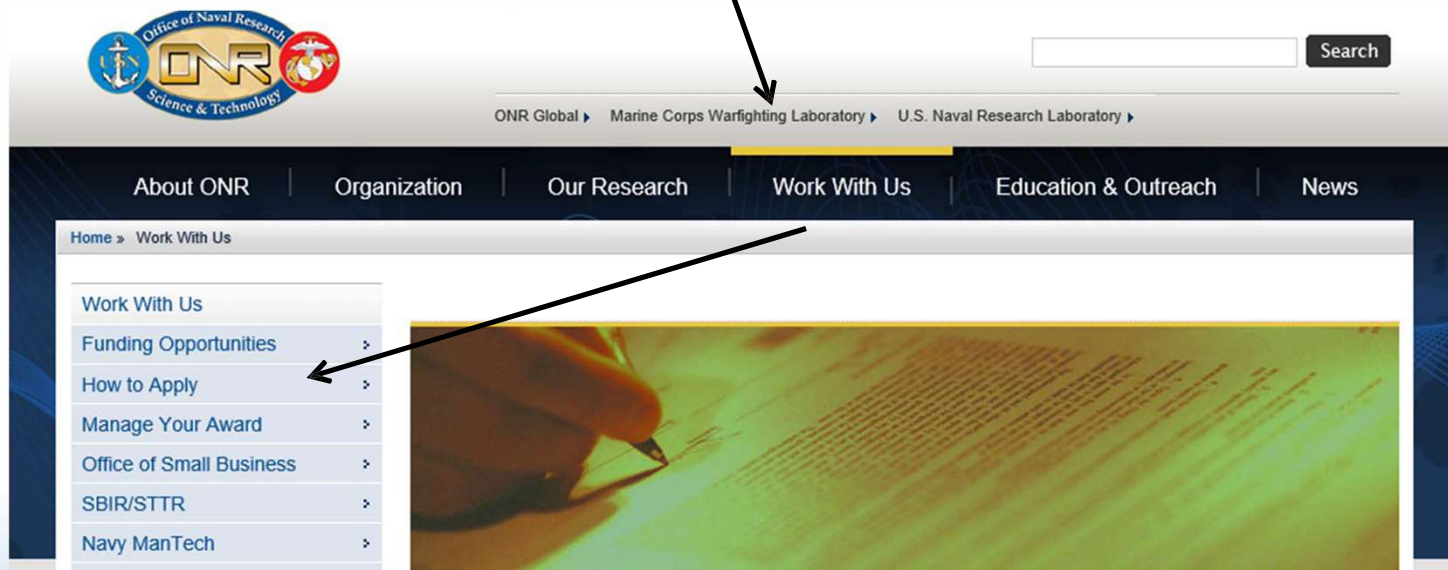


## FedConnect ONR's Vendor Portal

Website: onr.navy.mil

Click on: "Work with Us" tab

Click on: "How to Apply" tab



DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H



## FedConnect ONR's Vendor Portal

Click on "Submit an Application for a Grant" tab

Home » Work With Us » How to Apply

Work With Us

Funding Opportunities >

**How to Apply** ▾

Getting Started >

Submit a Contract Proposal >

Submit a Grant Application >

Compliance and Protections >

Manage Your Award >

Office of Small Business >

SBIR/STTR >

Navy ManTech >

Navy Technology Transfer >

Rapid Innovation Fund >

Center for Naval Analyses >

Careers at ONR >

### How to Apply

This section includes resources to help you understand how to apply for an ONR contract or grant. Before you submit a proposal for an ONR award, make sure you understand ONR's policies on [conflicts of interest](#).

#### Get Started with Credentials

Before you can do business with the Office of Naval Research, Department of Navy, Department of Defense and other federal agencies, you may need to obtain certain credentials.

[Learn more](#)

#### Submit a Proposal for a Research Contract

Learn how to submit a winning proposal to the Office of Naval Research.

[Learn more](#)

#### Submit an Application for a Grant

Universities, nonprofits and commercial entities may submit grant proposals to enter into a contractual relationship with the Office of Naval Research.

[Learn more](#)

#### Compliance and Protections

Learn how ONR protects against organizational conflicts of interest and helps ensure human subject research supported by the Department of Navy complies with federal regulations.

[Learn more](#)

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H





## FedConnect ONR's Vendor Portal

Scroll down to: "How to Submit a Grant Application"

Download: "White paper cover page template"

- You must upload the cover page template in FedConnect when submitting a white paper/proposal

"Where to Submit": click on <https://www.fedconnect.net>

### How to Submit a Grant Application

The submission process generally takes place in two stages.

Stage 1

#### White Paper Submission

You are encouraged to submit white papers which can minimize the labor and cost associated with production of detailed full applications that may have very little chance of being selected. Based on an assessment of the white papers/quad charts, the responsible research topic lead (ONR program officer) will provide you with informal feedback. White papers arriving after the deadline may not receive, and therefore may not benefit from, the informal feedback. White papers shall be submitted via FedConnect unless the Broad Agency Announcement or Funding Opportunity Announcement states differently (see below for more information).



[White paper cover page template](#)

Stage 2

#### Full Application Submission

All full applications are submitted under the specific announcement to ONR through [grants.gov](https://www.grants.gov). Use the application package cited in the announcement found at [www.grants.gov](https://www.grants.gov).

#### Where to Submit

ONR uses FedConnect to electronically receive white papers for grants unless the Broad Agency Announcement or Funding Opportunity Announcement states differently. To access FedConnect, please go to <https://www.fedconnect.net>. All full grant applications shall be submitted under the specific announcement to ONR through [grants.gov](https://www.grants.gov).

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H



- You will need to upload the cover page template in FedConnect
- 3 page fillable PDF Cover Page

- “5. ONR Program Officer/Point of Contact (POC)”
- “6. ONR Program Officer/Point of Contact CODE:” \_\_\_\_\_

DISTRIBUTION STATEMENT A. Approved for public release



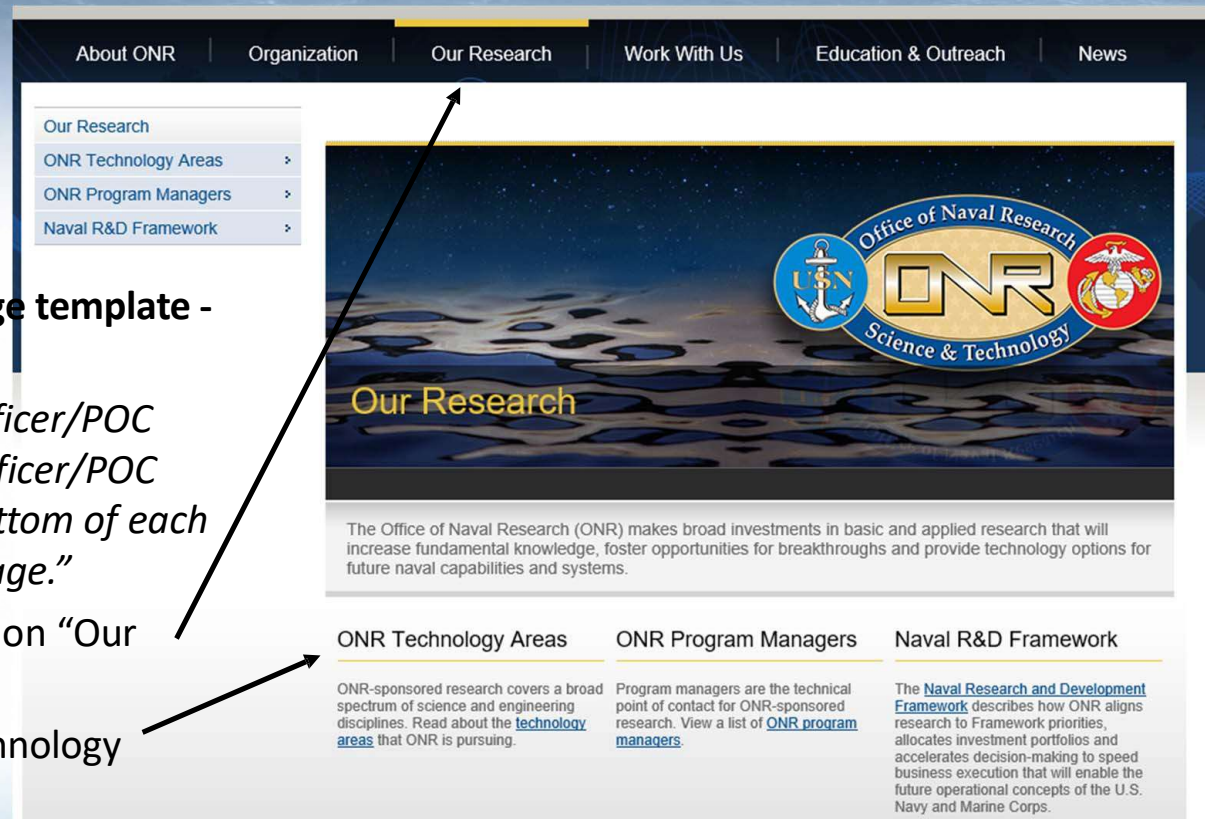
## FedConnect ONR's Vendor Portal



### White paper cover page template - Cover Page: #5 and #6

*"The ONR Program Officer/POC Name and Program Officer/POC Code is listed at the bottom of each Technology area webpage."*

- ONR website: Click on "Our Research"
- Click on: "ONR Technology Areas"



DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H



## FedConnect ONR's Vendor Portal

### Technology area webpage

[About ONR](#) | [Organization](#) | [Our Research](#) | [Work With Us](#) | [Education & Outreach](#) | [News](#)

[Home](#) » [Our Research](#) » [ONR Technology Areas](#)

[Our Research](#)  
[ONR Technology Areas](#) ▾  
[ONR Program Managers](#) ▸  
[Naval R&D Framework](#) ▸

## ONR Technology Areas A-Z

ONR-sponsored research covers a broad spectrum of science and engineering disciplines. Listed below are the technology areas ONR is pursuing.

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

### A

- [Acoustic Transduction Materials and Devices](#)
- [Active Aperture Array](#)
- [Advanced Modeling and Simulation for Training and Analysis](#)
- [Advanced Power and Energy for Undersea Applications](#)
- [Aerodynamics](#)
- [Aerospace Structures and Materials](#)
- [Alternative Hull Materials and Concepts](#)
- [Anti-Submarine Warfare](#)

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H

## FedConnect ONR's Vendor Portal

### Technology area webpage



Navigation: About ONR | Organization | Our Research | Work With Us | Education & Outreach | News

Breadcrumbs: Home » Organization » Departments » Code 33 » All Programs » Division 332 » Acoustic Transduction

Code 33

- All Programs ▾
- Division 331 ▸
- Division 332 ▾
  - Acoustic Transduction
- Division 333 ▸
- Navy ManTech ▸
- Contacts ▸

### Acoustic Transduction Materials and Devices

This program supports basic and applied research on materials and device technologies that primarily focus on enhancing existing Navy SONAR and making innovative systems feasible. These systems generate, detect and suppress undersea sound for navigation, threat detection, weapons guidance, communication and the like.

#### Research Concentration Areas

- Relaxor-based piezoelectric single crystals from the lead magnesium niobate — lead titanate family that exhibit high electromechanical coupling and high strain levels. All three generations of materials are under study: binary, ternary and modified ternary.
- Research on crystal growth techniques to increase the crystal quality and size as well as reduce the cost in commercial production
- Experimental programs target new compositions that expand the operating domain (temperature-strain-field)

Bottom of page

- Program Officer
- Program Officer Code

#### Program Contact Information

**Name:** Dr. Wallace Smith  
**Title:** Program Officer  
**Department:** Code 332  
**Email for Questions:** [wallace.smith1@navy.mil](mailto:wallace.smith1@navy.mil)

---

#### How to Submit

For detailed application and submission information for this research topic, please see our [Funding Opportunities page](#) and refer to broad agency announcement (BAA) No. N00014-20-S-B001.

- **Contracts:** All white papers and full proposals for contracts must be submitted through [FedConnect](#); instructions are included in the BAA.
- **Grants:** All white papers for grants must be submitted through [FedConnect](#), and full proposals for grants must be submitted through [grants.gov](#); instructions are included in the BAA.

DISTRIBUTION STATEMENT A. Approved for public release

O F F I C E O F N A V A L R E S E A R C H





## FedConnect ONR's Vendor Portal

Scroll down to: "How to Submit a Grant Application"

Download: "White paper cover page template"

- You must upload the cover page template in FedConnect when submitting a white paper/proposal

"Where to Submit": click on <https://www.fedconnect.net>

### How to Submit a Grant Application

The submission process generally takes place in two stages.

Stage 1

#### White Paper Submission

You are encouraged to submit white papers which can minimize the labor and cost associated with production of detailed full applications that may have very little chance of being selected. Based on an assessment of the white papers/quad charts, the responsible research topic lead (ONR program officer) will provide you with informal feedback. White papers arriving after the deadline may not receive, and therefore may not benefit from, the informal feedback. White papers shall be submitted via FedConnect unless the Broad Agency Announcement or Funding Opportunity Announcement states differently (see below for more information).



[White paper cover page template](#)

Stage 2

#### Full Application Submission

All full applications are submitted under the specific announcement to ONR through [grants.gov](https://www.grants.gov). Use the application package cited in the announcement found at [www.grants.gov](https://www.grants.gov).

#### Where to Submit

ONR uses FedConnect to electronically receive white papers for grants unless the Broad Agency Announcement or Funding Opportunity Announcement states differently. To access FedConnect, please go to <https://www.fedconnect.net>. All full grant applications shall be submitted under the specific announcement to ONR through [grants.gov](https://www.grants.gov).

DISTRIBUTION STATEMENT A. Approved for public release

O F F I C E O F N A V A L R E S E A R C H



## FedConnect ONR's Vendor Portal

# FedConnect®

The Government Acquisition & Grants Portal

**The FedConnect application will be undergoing monthly maintenance and unavailable May 30th, 8pm through May 31st, 8am.**

### Do you want the US federal government to buy your products or services? Or, are you seeking grants or assistance funding?

FedConnect can help. Every day, FedConnect helps over 100,000 vendors and grant applicants, find, respond to and win opportunities for contracts, grants, and other types of assistance funding. To learn more about how FedConnect works, click here to review the tutorial.

### Do you work for a federal agency?

FedConnect is the perfect complement to FedBizOpps and Grants.gov. FedConnect goes beyond the basic features of those systems to provide full lifecycle support including the ability to post opportunities, receive responses, deliver awards, and communicate throughout the pre-award, award, and post-award phases using FedConnect's secure 2-way messaging. Click here to learn more.

Sign In - Full Access →

Search Public Opportunities Only →

Register for Free Account →

**Internet Explorer Compatibility Notice:** If you are using Internet Explorer 9 (IE9) or above, Compatibility View must be on. Contact support with additional questions.

### Need help?

- FedConnect: Ready, Set, Go! Tutorial
- **Updated!** Reverse Auction Vendor Tip Sheet
- Check Registration Status
- Password Reset
- Contact Your Organization's FedConnect Administrator
- Contact FedConnect Support

### Want to learn more?

- Participating Government Agencies
- Accessibility Features

DISTRIBUTION STATEMENT A. Approved for public release

O F F I C E O F N A V A L R E S E A R C H



## FedConnect ONR's Vendor Portal



- Search for ONR BAAs/FOAs
  - Search Criteria: “Agency” then “Navy”

FedConnect. Hel

public opportunities

This is a list of publicly posted opportunities. To view a particular opportunity, click the hyperlink under the title. For more details on using this page, click Help.

☐ Search Criteria | [Advanced Options](#)

Agency

Title	Type	Agency	Issuing Office	Issue Date	Response Due Date	PSC / FSC	NAICS	Reference Number
<a href="#">FY20 FOA for the DON Science, Technology, Engineer</a>	Solicitation	Navy - ONR	Office of Naval Research (BD25X)	5/4/2020	08/28/2020 11:59 AM US/Eastern	AD91	611710	N0001420SF005
<a href="#">ONR BAA Announcement #N00014-20-S-B001</a>	Solicitation	Navy - ONR	Office of Naval Research (0251)	9/26/2019	09/30/2020 04:30 PM US/Eastern	AD92	541715	N00014-20-S-B001
<a href="#">MANUFACTURING TECHNOLOGY (MANTECH)Electro-Optics C</a>	Solicitation	Navy - ONR	Office of Naval Research (BD253)	1/9/2020	01/31/2020 05:00 PM US/Eastern	AE33	541715	N00014-19-R-0003

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H



# Changes in Operations due to COVID-19

- Under ONR's Continuity of Operations Plan (COOP) for COVID-19, employees instructed to work from home starting March 17<sup>th</sup>.
- Email blast sent by ONR Regional Offices on April 9<sup>th</sup> to entities with active ONR grants to:
  - Inform of DoD's implementation of flexibilities in OMB Memo M-20-17.
  - Specify location on ONR's website with COVID-19 authorities & ONR FAQs - [www.onr.navy.mil/coronavirus](http://www.onr.navy.mil/coronavirus).
  - Due to work-from-home orders, request that future correspondence be sent electronically – including resending any mail sent to Regional Offices through USPS, UPS, FedEx, etc. since March 9<sup>th</sup> through electronic methods.

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H



# Changes in Operations due to COVID-19

- Substantively complete with executing mods to ONR grants for No Funds Extensions resulting from DoD Implementation of OMB Memo M-20-17.
- ONR did not issue No Funds Extension mods for non-ONR administered grants resulting from this memo.
- Processing physical checks for refunds during this time is problematic. All new ONR grants and contracts issued on or after October 1<sup>st</sup>, 2019 require refunds to be submitted electronically through pay.gov. ONR is requesting recipients to submit any refunds resulting from all ONR awards by using pay.gov.

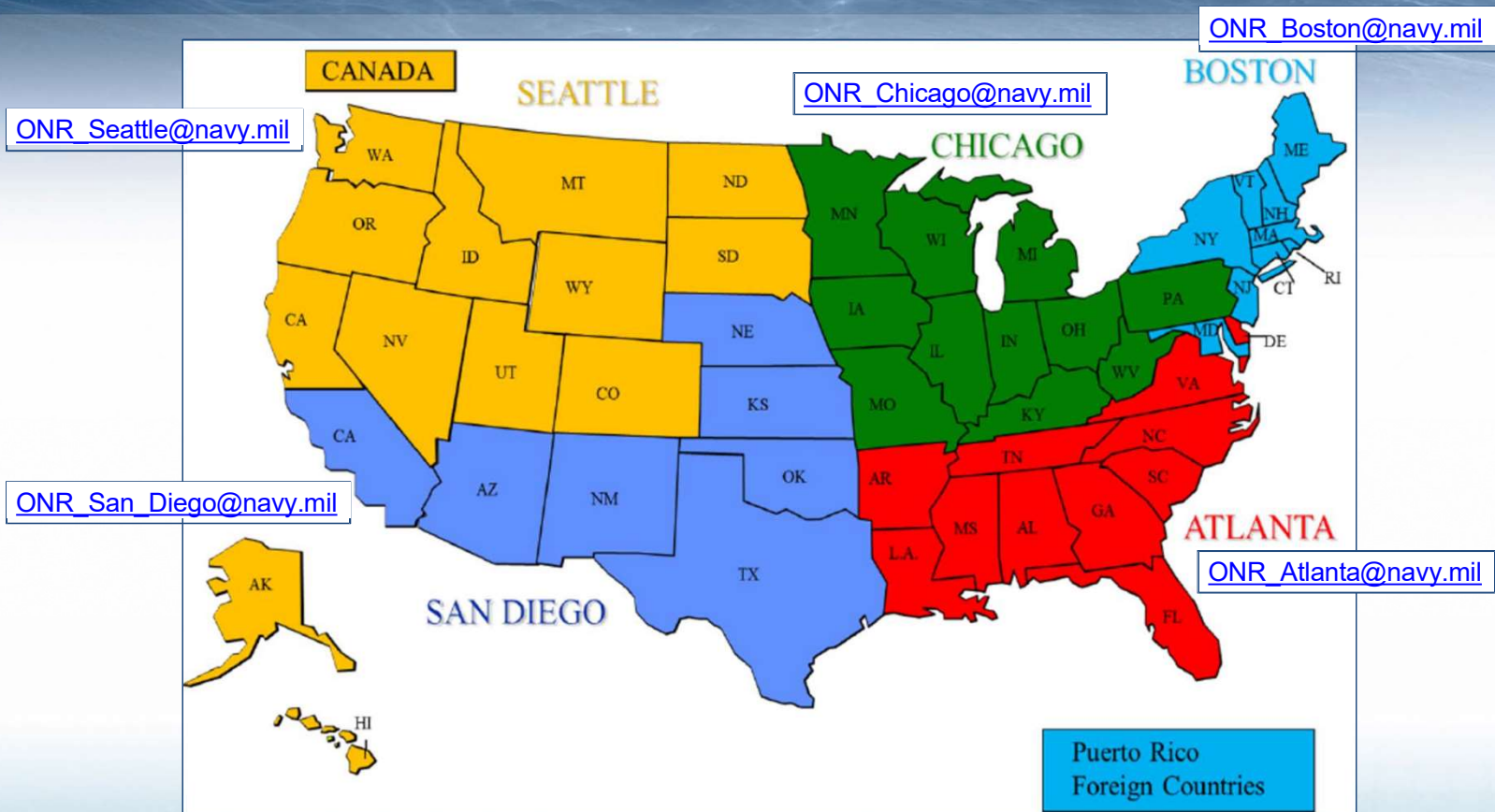
DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H





# ONR Regional Office Emails



Link to more detailed information about ONR Regional Offices:

<https://www.onr.navy.mil/en/work-with-us/manage-your-award/onr-regional-offices>

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H



## Closeout Initiative

- DoD Grant and Agreement Regulations Working Group has drafted a Unilateral Closeout policy that is in the review process.
- Intent is to eventually have additional language in closeout-related T&Cs for DoD grants that would discuss how we would handle non-compliance with the requirement for submitting a final financial report.
- Some of the additional language is designed to help recipients with the timely receipt of final financial reports from their subawardees.

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H





## Personnel Changes

- James Gandy -Acting Director, Atlanta Regional Office.
  - [james.gandy@navy.mil](mailto:james.gandy@navy.mil)
  - 404.562.1602
- Susan Kiddoo – Sr. Procurement Analyst, ONRHQ (former Director, Atlanta Regional Office)
  - [susan.kiddoo@navy.mil](mailto:susan.kiddoo@navy.mil)
  - 404.909.9069

DISTRIBUTION STATEMENT A. Approved for  
public release



# ONR Update

BACK UP SLIDE

From May 2019 ONR Update  
Submitting refunds under Navy awards  
using pay.gov

DISTRIBUTION STATEMENT A. Approved for  
public release

O F F I C E O F N A V A L R E S E A R C H



## Reminder on Navy Policy affecting Refunds under Navy Awards

- In January, ONR Grant & Cooperative Agreement T&Cs were revised to indicate a preference for **submitting refunds electronically through pay.gov.**
- ONR's plan is to update ONR T&Cs to require use of pay.gov for all refunds submitted under new awards issued on or after 01 OCT 2019.
- Gives awardees time to revise their processes to optimize use of electronic processes for refunds.

DISTRIBUTION STATEMENT A. Approved for  
public release



# Federal Demonstration Partnership

## NASA – Agency Updates

Thursday, May 21, 2020

Prepared by Grants Policy & Compliance Branch

With Science Mission Directorate Contributions

## NASA Presenters - May 2020 FDP

Mary Frances Sladek, Program Manager, Science Mission Directorate

[Mary.F.Sladek@nasa.gov](mailto:Mary.F.Sladek@nasa.gov)

202-358-0861 forwards to mobile 202-365-6734

Chris Murguia, Senior Analyst, Grants Policy & Compliance Branch

[christopher.e.murguia@nasa.gov](mailto:christopher.e.murguia@nasa.gov)

202-909-5918



**Where to Find  
NASA  
Implementation  
of OMB  
Memorandum  
M-20-17 & M-20-  
20**

- NASA has issued guidance that adopts/adapts the OMB's flexibilities
- FAQ-Grants and Research during the COVID-19 Epidemic

<https://www.nssc.nasa.gov/grants>

- **CONTRACTOR RELATED COVID-19 INFORMATION**  
<https://www.nasa.gov/office/procurement/covid19-contractor-information>

# NASA's Proposers Guidebook: Refresher

- Forthcoming the 2020 edition will update the NASA's Proposer Guidebook
- Until released use the 2018 edition
- Annual updates planned

# NASA's Proposers Guidebook

## 2018 Guidebook Version

- Funding Announcements (FA)
- NASA Office of Education
- Federal Business Opportunities  
[www.fbo.gov](http://www.fbo.gov)
- Data Universal Numbering System (DUNS)

## 2020 Guidebook Version

- Notice of Funding Opportunities (NOFO)
- NASA Office of STEM Engagement
- System for Award Management  
[www.beta.sam.gov](http://www.beta.sam.gov)
- Unique Entity Identifier (UEI) (12/2020)
- Participant/Trainee
- Government-wide certifications and representation

## Primary Policy Contacts for FDP

Kanitra D. Cobbs, Sr. Program Officer, Grants Policy & Compliance Branch

[kanitra.d.cobbs@nasa.gov](mailto:kanitra.d.cobbs@nasa.gov)

202-358-1945

Antanese Crank, Chief, Grants Policy & Compliance Branch

[antanese.n.crank@nasa.gov](mailto:antanese.n.crank@nasa.gov)

202-358-4683



**Updates from the  
Deputy Associate  
Administrator for  
Research (DAAR),  
Science Mission  
Directorate, NASA  
HQ Washington, DC**

**SINCE JANUARY FDP,  
PROGRESS ON DUAL-  
ANONYMOUS PEER  
REVIEW**

**CHECK OUT THE FULL LIST  
OF PROGRAMS TAKING  
PART IN THE PILOT**

[HTTPS://SCIENCE.NASA.GOV/RESEARCHERS/  
DUAL-ANONYMOUS-PEER-REVIEW](https://science.nasa.gov/researchers/dual-anonymous-peer-review)

## SMD & COVID-19

- ▶ SMD's Associate Administrator, @Dr\_ThomasZ, hosted a COVID Virtual Town Hall, March 20th
- ▶ Listen to the Town Hall's Audio Replay/Read the Dear Colleague from that discussion <https://science.nasa.gov/researchers/virtual-townhall-2020>
- ▶ SMD continues to plan COVID-19 adjustments related to funding priorities and review practices on existing awards and new proposals. Among the issues:
  - ▶ Can SMD simplify the review of augmentations and funded extensions to existing awards that may need scope changes?
  - ▶ How can SMD work with the universities to mitigate risks to current graduate students and post-docs?
  - ▶ Contact: [Michael.H.New@NASA.GOV](mailto:Michael.H.New@NASA.GOV)



# Air Force Basic Research

Senior Procurement Analyst

Mr. Calvin Scott

[calvin.scott@us.af.mil](mailto:calvin.scott@us.af.mil)

[afosr.baa@us.af.mil](mailto:afosr.baa@us.af.mil)

703-965-0980

---

## Agenda

- Leadership Change
- COVID-19 Contingency Operations
- About us
- Our Granting Process
- Research Areas
- Improving Competitiveness
- Opportunities





## New Air Force Office of Scientific Research Director

Dr. Shery Welsh

Director, Air Force Office of Scientific Research

[shery.welsh.1@us.af.mil](mailto:shery.welsh.1@us.af.mil)



## New AFRL Director of Contracting/Ombudsman

Mrs. Rosalind R. Harper

Director of Contracting, AFRL/PK

Air Force Research Laboratory Contracting Ombudsman

[afrl.pk.workflow@us.af.mil](mailto:afrl.pk.workflow@us.af.mil)

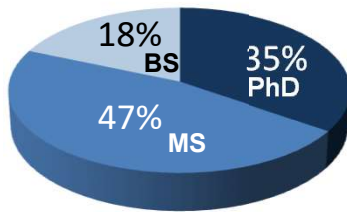


## COVID-19 Contingency Operations

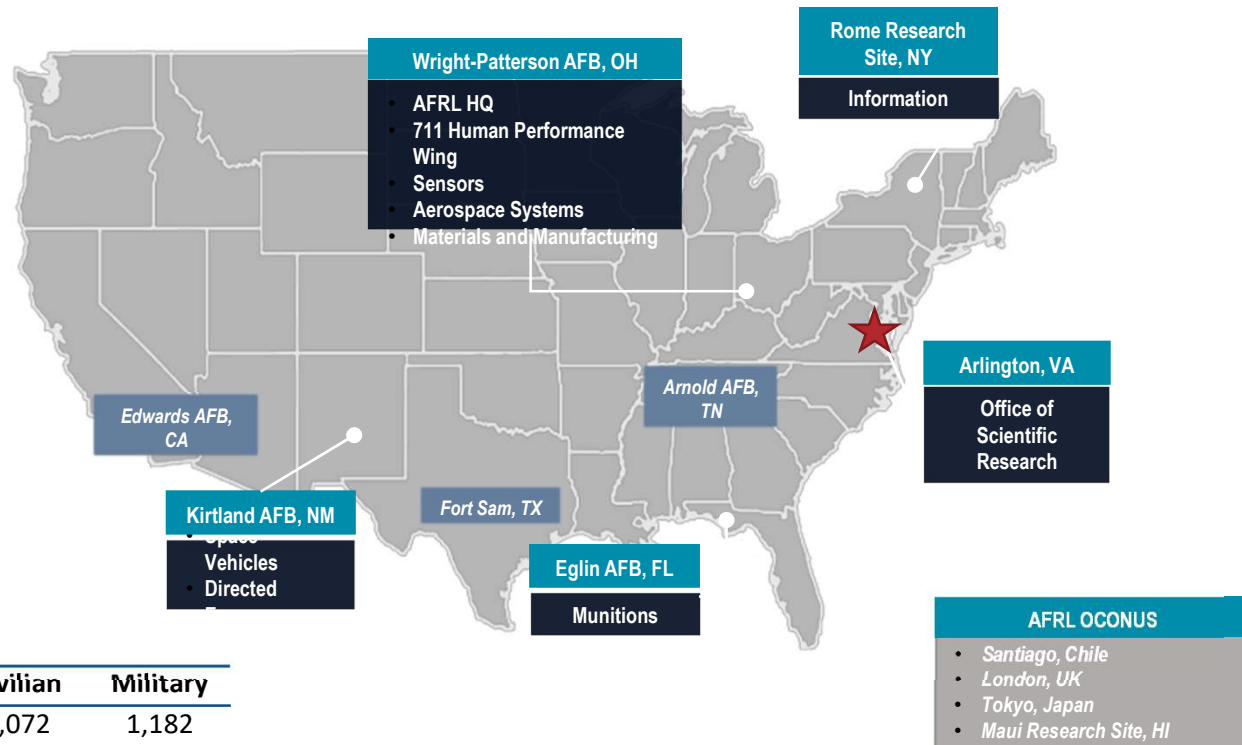
- COVID-19 No Cost Extension (NCE) Guidance Memorandum sent out
  - To assist during this uncertain and challenging time, we may extend awards which are active as of March 31, 2020 and schedule to expire prior or up December 31, 2020, at no cost for a period of up to twelve (12) months. Upon the Recipient's business office request, the NCE will be issued per grant modification for the respective grant. The NCE is not official until you receive a grant modification signed by the Grants Officer
- AFRL/AFOSR will continue to provide updates and additional information as the situation unfolds , please send all request to the respective Grants Officer, Program Officer, and RT Admin Support ([AFOSR.RT.AdminSupport@us.af.mil](mailto:AFOSR.RT.AdminSupport@us.af.mil))
- If you do not receive a timely response or require additional information please send an email to the AFOSR BAA/FOA POC Mr. Calvin Scott ([afosr.baa@us.af.mil](mailto:afosr.baa@us.af.mil))

# About Us

## LOCATIONS AND WORKFORCE



	Employees	Civilian	Military
Total	6,254	5,072	1,182
S&Es	3,611	3,041	570



[www.AFResearchLab.com](http://www.AFResearchLab.com)



# About Us

## AFRL TECHNOLOGY DIRECTORATES

### AF Office of

#### Scientific Research

- Physics and Electronics
- Aerospace, Chemical and Materials Sciences
- Mathematics, Information, and Life Sciences



### Aerospace Systems

- Aerospace Vehicles
- Control, Power and Thermal Management
- High Speed Systems
- Space and Missile Propulsion
- Turbine Engines



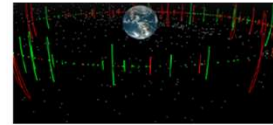
### Directed Energy

- High Power Electromagnetics (HPEM)
- Laser Systems (LS)
- Directed Energy
- Electro-Optics for Space Superiority
- Weapons Modeling & Simulation (WM&S)



### Information

- Autonomy, Command and Control, and Decision Support
- Processing & Exploitation
- Cyber Science and Technology
- Connectivity and Dissemination



### Human

#### Performance

- Decision Making
- Bioeffects
- Human Centered ISR



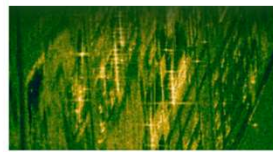
### Munitions

- Ordnance Sciences
- Fuze Technology
- Terminal Seeker Sciences
- Munitions Airframe, Guidance, Navigation & Control
- Munitions System Effects Sciences



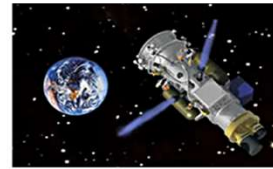
### Sensors

- Spectrum Warfare
- Layered Sensing Exploitation
- Enabling Devices and Components
- RF Sensing
- EO Sensing



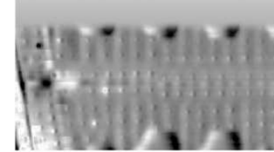
### Space Vehicles

- Space Electronics
- Space Remote Sensing
- Space Environment Impacts & Mitigation
- Space Experiments
- Space Platforms



### Materials and Manufacturing

- Structural Materials
- Functional Materials
- Manufacturing Technologies
- Support for Operations



[www.AFResearchLab.com](http://www.AFResearchLab.com)

# About Us

## HOW AFOSR WORKS

### FIND

**36** Program Officers reaching scientists & engineers globally

### FORM

**Shape** emerging science into high-performing teams and portfolios that address long-term basic science barriers to future AF capabilities

### FUND

**1098** extramural research projects at **174** US universities

**208** intramural research projects at AFRL Technical Directorates

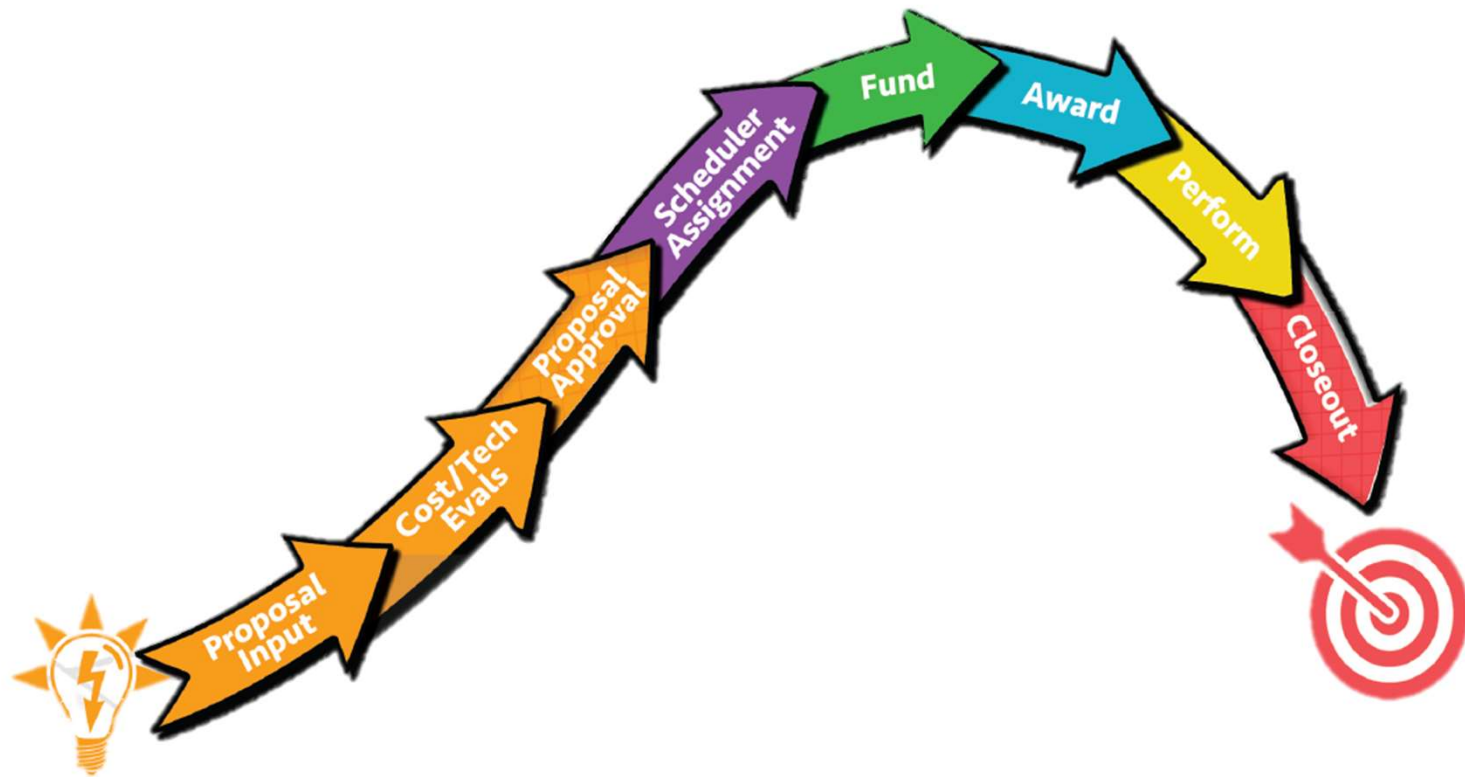
**268** international efforts in **39** countries

\* FY18 Figures a/o 28 May 19

### FORWARD

**Transition** through AFRL TDs, Small Business Innovation Research & Small Business Technology Transfer (SBIR/STTR)

## AFOSR Granting Process



[www.AFResearchLab.com](http://www.AFResearchLab.com)

# AFOSR Research Areas

## AFOSR GENERAL BAA

- Outlines research areas of interest
- FA9550-19-S-0003 can be found on [www.grants.gov](http://www.grants.gov)  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=314753>

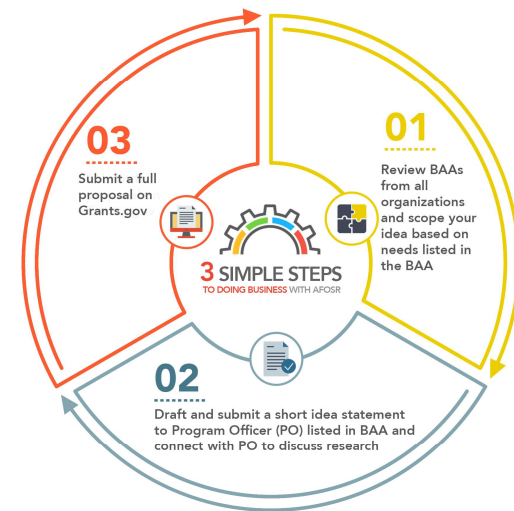
Engineering and Complex Systems	Information and Networks	Physical Sciences	Chemistry and Biological Sciences
Dynamic Materials and Interactions	Computational Cognition and Machine Intelligence	Materials with Extreme Properties	Biophysics
GHz-THz Electronics and Materials	Computational Mathematics	Atomic and Molecular Physics	Human Performance and Biosystems
Energy, Combustion, and Non-Equilibrium Thermodynamics	Dynamics and Control	Electromagnetics	Mechanics of Multifunctional Materials and Microsystems
Unsteady Aerodynamics and Turbulent Flows	Dynamic Data and Information Processing	Laser and Optical Physics	Molecular Dynamics and Theoretical Chemistry
High-Speed Aerodynamics	Information Assurance and Cybersecurity	Optoelectronics and Photonics	Natural Materials, Systems, and Extremophiles
Low Density Materials	Optimization and Discrete Mathematics	Plasma and Electro-Energetic Physics	Organic Materials Chemistry
Multiscale Structural Mechanics and Prognosis	Science of Information, Computation, Learning, and Fusion	Quantum Information Sciences	
Space Propulsion and Power	Trust and Influence	Remote Sensing	
Agile Science of Test and Evaluation (T&E)	Complex Networks	Space Science	
	Cognitive and Computational Neurosciences	Ultrashort Pulse Laser-Matter Interactions	
		Condensed Matter Physics	



# Improving Competitiveness

## DOING BUSINESS WITH AFOSR

- **Engage with AFOSR PO researchers** to discuss your idea statement
- Promising ideas may begin an ongoing dialogue leading to full proposal submission
- Throughout your working relationship with AFOSR, you can expect an AFOSR PO to take on a number of roles:
  - Topical / Program Expert
  - Educator / Communicator
  - Team Builder
  - Advocate
  - Evaluator
  - Administrator
  - Active Member of AFRL, DoD & Scientific Communities



# Improving Competitiveness

## DOING BUSINESS WITH AFOSR

- **Attend grant writing courses**
- In general, a good proposal is one that includes:
  - Strong technical merit
  - Air Force relevance
  - Solid budget justification
  - Consideration given to every requirement stated in the BAA

# Improving Competitiveness

## DOING BUSINESS WITH AFOSR

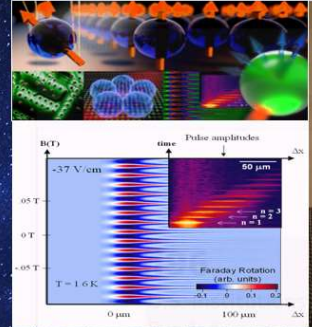
- **Understand funding considerations**
- AFOSR receives far more good proposals than it is able to fund every year
- POs must factor many other considerations into funding decisions. Those include, but aren't limited to:
  - Overlap with program interests and connecting to DoD labs
  - Potential for scientific breakthroughs
  - Strategic directions
  - Budget realities
  - Peer review recommendations

# Improving Competitiveness

## DOING BUSINESS WITH AFOSR

- **Look for opportunities to forge partnerships**
- Once funded, remain engaged and continue with the process by
  - Reviewing BAAs
  - Attending program reviews
  - Collaborating with other PIs in the program
- Seek out Center of Excellence BAAs
  - University-led efforts, sponsored by 1+ AFRL Technology Directorate and AFOSR
  - Prime opportunity for academic engagement and student pipeline
  - Nominal three-year arrangement, with two-year renewal option
  - AFRL and University share costs (with AF investment up to \$500K/year)

**Professor David Awschalom, University of California Santa Barbara: Quantum Information Processing/Spintronics**



"I am extremely grateful to the AFOSR for launching my career at the University of California, and for **having the courage to fund ambitious, high-risk research**. Without their **steadfast support** and thoughtful guidance, the field of quantum spintronics would almost certainly not be where it is today." - Dr. Awschalom

# AFOSR Funding Opportunities

## TRADITIONAL GRANTS

- Extramural Grants
- Lab Tasks
- Historically Black Colleges and University/Minority Serving Institution Grants
- Young Investigator Grants
- Center of Excellence Grants

## ADD'L FUNDING OPPORTUNITIES

- [Multidisciplinary University Research Grants](#)
- [Instrumentation Grants](#)
- Small Business Tech Transfer Grants/Contracts
- [Defense Enterprise Science Initiative](#)
- Summer Faculty Fellowships
- Windows on Science
- [MINERVA](#)

## WORKFORCE DEVELOPMENT

- Undergraduate Research Experiences
- [Graduate Fellowships](#)
- AFRL Internships
- Windows on World
- AFRL Science and Technology Fellowships
- [Lab Univ Collaboration Initiative](#)

- Core ~ \$350M, [OSD ~ \\$150M](#), Total Budget ~ \$500M
- 65% of core mission funds extramural, 30% intramural, 5% international



# DoD SBIR/STTR Program

## TRADITIONAL CONTRACTS/GRANTS

- The **Small Business Innovation Research** (SBIR) program is a United States Government program, coordinated by the Small Business Administration, and currently authorized through September 30, 2017, in which all federal agencies with extramural research budgets in excess of \$100 million have a percentage reserved for contracts or grants to small businesses.
  - Congress established the **Small Business Technology Transfer** (STTR) Program in 1992. It is similar in structure to SBIR and funds cooperative research and development projects with small businesses in partnership with not-for profit research institutions (such as universities) to move research to the marketplace.
- 
- <https://www.afsbirsttr.af.mil/>

# Questions?

# NIH Update

KRISTIN TA ([KRISTIN.TA@NIH.GOV](mailto:KRISTIN.TA@NIH.GOV))

OFFICE OF POLICY FOR EXTRAMURAL RESEARCH  
ADMINISTRATION, OER, NIH



National Institutes of Health

# COVID-19



# Patient Care and Researcher Safety is the First Priority

- The NIH is deeply concerned for the health and safety of people involved in NIH research, and about the effects of the COVID-19 public health emergency on the biomedical enterprise.
- NIH is providing many administrative flexibilities to help the research continue.





# CORONAVIRUS DISEASE 2019 (COVID-19)

Information for Applicants and Recipients



**Stay Up  
to Date**

Visit our page and check back often for updates!

<https://grants.nih.gov/policy/natural-disasters/corona-virus.htm>

**Next Wednesday 5/27 1-3 PM**

**Join NIH and a fed-wide panel for detailed  
discussions on COVID-19 challenges and approaches**

55



National Institutes of Health

# Forms Updates



# Reminder! New NIH "FORMS-F" Application Forms and Instructions

## For Due Dates on or after May 25, 2020:

The following application forms include substantive changes (i.e., new/deleted/modified fields). All other forms include only an OMB expiration date change.

- PHS 398 Career Development Award Supplemental Form
- PHS 398 Cover Page Supplement
- PHS Assignment Request form
- PHS Fellowship Supplemental Form
- PHS Human Subjects and Clinical Trials Information
- SBIR/STTR Information

See [High-level Summary of Form Changes in FORMS-F Application Packages](#) for a full list of form changes. We will notify the community if we determine additional changes are needed.

**For due dates on or before May 24, 2020, applicants must continue to use the application form packages and instructions (FORMS-E) posted with our funding opportunity announcements despite the expiration dates noted on each form.**

See [NOT-OD-20-026](#) and [NIH-OD-20-047](#) for additional information.



# **Commitment Transparency**



National Institutes of Health

# NIH Current Policy on Other Support

**Other Support is defined in the NIH Grants Policy Statement ([1.2 Definitions](#) and [2.5.1 Just-in-Time](#)), which was updated in December 2019**

- “All resources made available to a researcher in support of and/or related to all of their research endeavors, regardless of whether or not they have monetary value and regardless of whether they are based at the institution the researcher identifies for the current grant. This includes resource and/or financial support from all foreign and domestic entities, including but not limited to, financial support for laboratory personnel, and provision of high-value materials that are not freely available (e.g., biologics, chemical, model systems, technology, etc.).”

**Our Goal: Facilitate the transparency and reporting of all research activities, both domestic and foreign not merely financial.**





# Looking Forward

## **NIH is collaborating fed-wide to harmonize our collection of Other Support information**

- NIH participates in State Department meetings on foreign influence
- NIH continues to lead on Office of Science Technology Policy Joint Committee on Research Environments (J-CORE) Subcommittee on Research Security
  - Aims to protect America's researchers from undue foreign influence
  - Coordinating Federal efforts to communicate effectively, provide outreach, and develop guidance and best practices for academic and research institutions
- Following NSF, NIH is exploring feasibility of using SciENCv to collect Other Support data in addition to the Biosketch



# NIH Future Disclosure Requirement Plans

## Policy Clarifications

- Update standard terms and conditions to provide clarification for disclosure and transparency of Other Support requirements
- Coordinating with federal partners and standardize current and pending support information
- Rely on risk assessment provided by JASON Report to ensure NIH clearly articulates compliance guidelines
- Coordinate with NSF and other federal partners as much as possible



# NIH Future Application Requirement Plans

## Application Guide/Instructions

- NIH is updating the application guide instructions, the Other Support Format page, along with other online resource tools
- Coordinating with federal research partners to harmonize how data is collected and the format
- Will clarify Other Support vs. Bio-sketch reporting requirements



National Institutes of Health

# HHS & Fed-Wide Initiatives



# HHS REINVENT GRANTS MANAGEMENT

- Aligns with NIH Mission: Reduce administrative burden while increasing transparency, resource optimization, and efficiency across HHS grants management
- Current & Upcoming Initiatives
  - Standardized Notice of Award (NOA) Page One
  - SF-425/Federal Financial Report (FFR)
    - Phase One: Submission via the HHS Payment Management System (PMS)
    - Phase Two: Elimination of the requirement for quarterly cash transaction reporting





# Questions?



# **NSF Proposal & Award Policy Update**

**Federal Demonstration Partnership  
Virtual May 2020 Meeting**

**May 21, 2020**



**National Science Foundation**

**WHERE DISCOVERIES  
BEGIN**

# Presenter

- Jean Feldman
  - Head, Policy Office
  - Division of Institution & Award Support
  - Office of Budget, Finance & Award Management
  - [policy@nsf.gov](mailto:policy@nsf.gov)





# Topics Covered

- NSF Leadership Changes
- *Proposal & Award Policies & Procedures Guide* (PAPPG) (NSF 20-1) Implementation
- Policy Implementation for Biographical Sketch and Current & Pending Support
- Payment Information During COVID-19
- Proposal Submission Modernization Updates
- Outreach



# NSF Leadership Changes

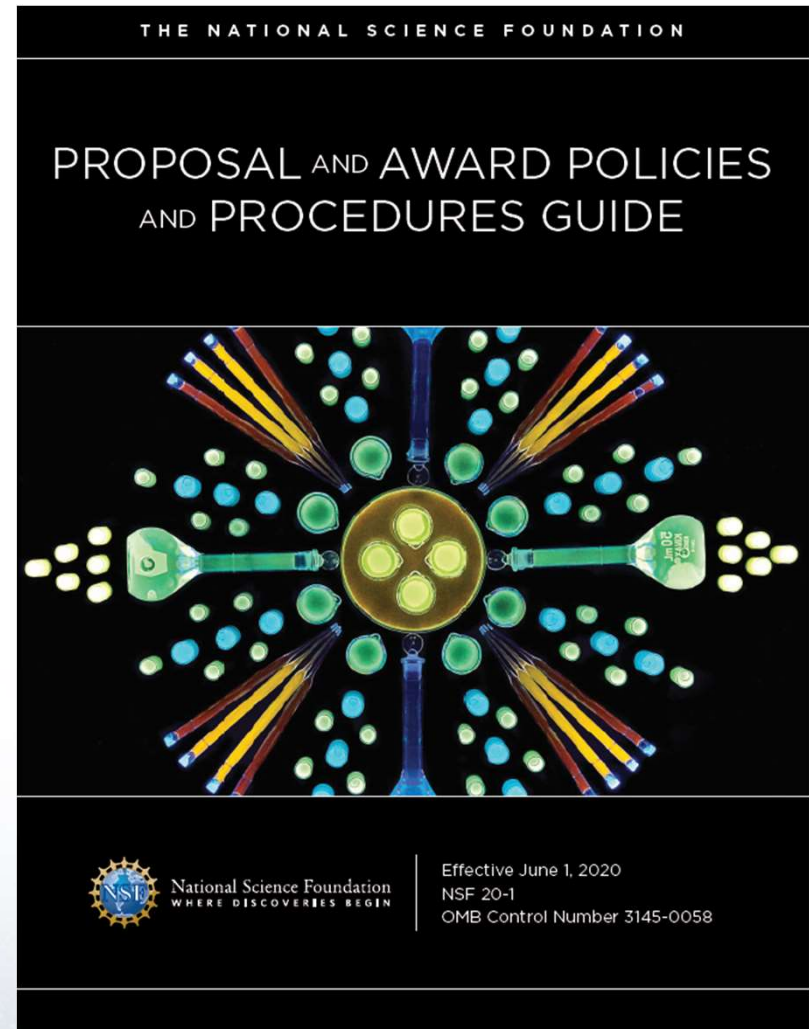
- Dr. France Córdoba finishes 6-year term as NSF Director
- Dr. Sethuraman “Panch” Panchanathan nominated as 15<sup>th</sup> Director of NSF
- Dr. Kelvin Droegemeier, Director of the Office of Science & Technology Policy (OSTP) currently serving as Acting Director of NSF
- Dr. Sean Jones, Acting Assistant Director, Directorate for Mathematical and Physical Sciences





# Key Dates for 2020 PAPPG

- Posted to the NSF website on Friday, January 24, 2020
- Effective **June 1, 2020** for proposals submitted, or due, on or after that date
- Released to the community more than 120 days prior to effective date



# PAPPG (NSF 20-1) Implementation

- NSF is delaying implementation of the PAPPG requirement to use NSF-approved formats for the biographical sketch and current and pending support.
- NSF-approved formats will be required for proposals submitted or due, on or after October 1, 2020.
- All other PAPPG changes will be implemented June 1, 2020

# Policy Implementation

## Biographical Sketch

- Requires senior personnel to use an NSF-approved format to generate the biographical sketch
- Appointments section must include any titled academic, professional, or institutional position whether or not remuneration is received.
- Synergistic Activities must be specific and may not include multiple examples to describe a single activity.
- See PAPPG (NSF 20-1), [Chapter II.C.2.f](#)



# Policy Implementation

## Current & Pending Support

- NSF uses the information to assess the capacity of the individual to carry out the research as proposed as well as to help assess any potential overlap/duplication.
- Requires senior personnel to use an NSF-approved format to generate current and pending support information.
- Information must be provided for all current and pending support irrespective of whether such support is provided through the proposing organization or directly to the individual.

# Policy Implementation

## Current & Pending Support (cont'd)

- Project or in-kind contributions without a time commitment are not required to be reported in Current and Pending Support.
- In-kind contributions that are intended for use on the project/proposal being proposed to NSF must be included as part of the Facilities, Equipment and Other Resources section of the proposal.
- Examples of current and pending support expanded to include non-profit organizations.
- See PAPPG (NSF 20-1), [Chapter II.C.2.h](#)



# Changes Made Based on Community Feedback

- Biographical Sketch
  - Permit use of “et al.” for publication citations in the Products section in the event that listing multiple authors makes it difficult to fit the information into the allotted space (NSF fillable format and SciENCv format);
  - Increased space for the Products section by removing instructional text. Links added to relevant PAPPG sections (NSF fillable format);
  - Removed the requirement to include the NSF ID (NSF fillable format); and
  - Added a version date to the document (NSF fillable format).





# Changes Made Based on Community Feedback

- Current and Pending Support
  - Increased the number of Projects/Proposal entries from 10 to 15 (NSF fillable format);
  - Updated the Award Number field to accept numbers and letters (NSF fillable format and SciENCv format);
  - Replaced “Calendar Year” label with “Year” for consistency with PAPPG (NSF fillable format and SciENCv format);
  - Removed the requirement to include the NSF ID (NSF fillable format); and
  - Added a version date to the document (NSF fillable format).



# Payment Information During COVID-19

- ACM\$ continues to make payments during the pandemic.
- Cancelling appropriations – monthly notices
- Manual check processing delays for refunds or adjustments
- For questions, contact Jesse Simons, Chief, Cash Management Branch ([jsimons@nsf.gov](mailto:jsimons@nsf.gov))



# NSF Proposal System Modernization

**March 31, 2020:**



- Separately submitted collaborative proposals
- Proposal file updates (PFUs) and budget revisions for full Research proposals

**Spring 2020:**

- Other Authorized User (OAU) changes
  - Users with the OAU role will be able to assist with proposal preparation in Research.gov without being required to also have another organization-approved role (e.g., "View Only" role)

# Outreach

- Existing NSF resources including
  - PAPPG webinar
  - Webinar on biographical sketch & current and pending support
  - NSF Grants Conference videos and presentations

The screenshot displays the NSF Policy Outreach website interface. The top navigation bar includes links for HOME, UPCOMING EVENTS, RESOURCE CENTER (highlighted), NSF POLICIES AND PROCEDURES, and STAY INFORMED. The main content area is divided into two columns. The left column features a search bar and filter options for Year (2017, 2018, 2019, 2020) and Media (Presentation, Webcast, Webinar). The right column displays a grid of resource cards, each with a thumbnail image, title, date, and a 'View Now' button. The cards include: 'April 2020 Approved Formats for Proposals Webinar PPT', 'April 2020 Approved Formats for Proposals Webinar', 'February 2020 PAPPG Update PPT', 'February 2020 PAPPG Webinar', 'Fall 2019 Grants Conference: Introduction & Overview', and 'Fall 2019 Grants Conference: Funding Types'. A dropdown menu for 'Policy Office Topic and NSF Directorate' is visible at the bottom. The right side of the image shows a continuation of the resource grid with conference videos and presentations.

<https://www.nsfpolicyoutreach.com>



For More Information:

Ask Early, Ask Often!

[policy@nsf.gov](mailto:policy@nsf.gov)



National Science Foundation

WHERE DISCOVERIES  
BEGIN



# OSTP Update

## Federal Demonstration Partnership Meeting

Dr. Lisa Nichols

Office of Science and Technology Policy

May 21, 2020

[www.whitehouse.gov/ostp](http://www.whitehouse.gov/ostp)

[www.ostp.gov](http://www.ostp.gov)

@WHOSTP



Photo credit: Lloyd Whitman



# Meetings with Govt. Science Leaders

- Biweekly meetings with government science leaders including science ministers and chief science advisors from Australia, Brazil, Canada, European Commission, France, Germany, India, Italy, Japan, New Zealand, Portugal, Republic of Korea, Singapore, Spain, and the United Kingdom
- Information and data sharing on SARS-CoV-2 and COVID-19



# Science Leader's Call for Open Access

- On March 13, OSTP/U.S. and government science leaders called on publishers to voluntarily make all COVID-19-related publications and data immediately accessible in a public repository in machine-readable format and to allow full text and data mining with rights for reuse.
  - As of May 8, approximately 49,000 articles from 50 publishers have been deposited to NIH's PubMed Central (PMC) or updated to have a license that allows for text and data mining and secondary analyses.
  - More than 9,000 articles specifically on the current novel coronavirus (up from ~100 when the initiative started).
  - The articles have been accessed more than 8 million times in PMC since March 18.



# Government-University-Industry

On March 16, the U.S. CTO, the Allen Institute for AI, Chan Zuckerberg Initiative, Georgetown University's Center for Security and Emerging Technology, Microsoft, and the NIH National Library of Medicine released the COVID-19 Open Research Dataset (CORD-19) of scholarly literature about COVID-19, SARS-CoV-2, and the coronavirus group.

- The most extensive machine-readable coronavirus literature collection available for data and text mining. Available on the Allen Institute's [SemanticScholar.org website](https://www.semanticscholar.org).
- Researchers can submit text and data mining tools and insights that can help the science community answer high-priority scientific questions related to COVID-19 via the [Kaggle platform](https://www.kaggle.com).



# Restoring Research Operations

Meetings with higher education associations, university presidents and chancellors, and medical school and research deans

- Short-term issues and solutions associated with restarting the research enterprise
- Non-monetary policy actions the U.S. Government can take to facilitate the restart
- Opportunities to capitalize upon lessons learned to strengthen the resilience of the enterprise, improve efficiency, and maximize overall effectiveness



# Open Science/Public Access

Request for Information: Public Access to Peer-Reviewed Scholarly Publications, Data and Code Resulting From Federally Funded Research

Request for Public Comment on Draft Desirable Characteristics of Repositories for Managing and Sharing Data Resulting From Federally Funded Research

- Comment periods have closed. Comments are currently under review.



# Open Science/Public Access

## Stakeholder Meetings on the Future of Scholarly Communications

- University Research Offices and Libraries
- Commercial and Nonprofit/Society Publishers
- Federal and Nonfederal research funders
- Investigators
- Provosts

**What are the implications of global shifts to greater public access to publicly funded research?**





# RIGOR AND INTEGRITY SUBCOMMITTEE

Joint Meeting on February 28, 2020 with the National Academies of Sciences, Engineering, and Medicine Roundtable on Aligning Incentives for Open Science

- Aligning incentives in support of research integrity, reproducibility, and openness
- Goals and Principles:
  - \* **Research has its widest impact and is most trustworthy when its methodology and analysis are well-designed and the interpretation and reporting of results are clearly and transparently articulated**



# RIGOR AND INTEGRITY SUBCOMMITTEE

## Goals and Principles:

- \* **As stakeholders in the research endeavor, Federal agencies, academic institutions, philanthropic organizations, and publishers should work to ensure that the performance and reporting of the research that we fund, support, and communicate is consistent with this view of impact**
- \* **The consistency and impact of research would be maximized by aligning our credit and reward systems, such as hiring and tenure and promotion processes, with rigorous, transparent, and open research practices**
- \* **Federal agencies, academic institutions, philanthropic organizations, and publishers could enhance research rigor, integrity, openness, and transparency by actively aligning these systems and striving to coordinate policies and procedures**



# Reducing Administrative Workload: Current Efforts

## Financial Conflict of Interest

### **American Innovation and Competitiveness Act of 2017:**

“Post-award administrative costs have increased as Federal research agencies have continued to impose agency-unique...requirements”

### **21<sup>st</sup> Century Cures Act – Section 2034 – Reducing Administrative Burden for Researchers:**

“...review by research funding agencies of all regulations and policies related to the disclosure of financial conflicts of interest, including the minimum threshold for reporting financial conflicts of interest;”

“make revisions, as appropriate, to harmonize existing policies and reduce administrative burden...”

- **Assessed variations across Federal agencies**
- **Assessed the 2011 revisions to the PHS FCOI regulations**
- **JCORE RFI comments on FCOI**



# Reducing Administrative Workloads

## Grant Application Process

- Preliminary proposals;
- Increased use of “Just in Time”;
- Simplified initial budget proposals;
- Centralized researcher profile database, ORCID data exchange, unique identifiers
- Review of pilot efforts
  - Assessing opportunities to streamline and coordinate agency application requirements
  - Use of SciENcv and ORCID to pre-populate forms
  - Coordinating agency guidance and disclosure requirements associated with research security





(Pre-Recorded)

# EPA Updates for FDP

Federal Demonstration Partnership

May 2020



# FDP May Meeting Schedule

- **Universal Protocol Form, CUSP, and The Guide (Hosted by the Animal Care & Use Subcommittee)** (Tuesday, May 26, 2020 from 12-1:15pm EDT)
- **Faculty Forum and Meeting** (Tuesday, May 26, 2020 from 2-3:30pm EDT)
- **Subawards Subcommittee Webinar** (Tuesday, May 26, 2020 from 4-5:15pm EDT)
- **Plenary - COVID Federal Panel** (Wednesday, May 27, 2020 from 1-3pm EDT)
- **Supporting COVID-19 related Data Transfer and Use Agreement needs** (Wednesday, May 27, 2020 from 4-5pm EDT)
- **The Impacts of COVID-19 on Research Activities: The University Perspective** (Thursday, May 28, 2020 from 1-2:30pm EDT)