



AFRL

Air Force Office of Scientific Research

DR. SHERY WELSH | DIRECTOR

Air & Space Force Science

AFRL MISSION

We lead, discover, develop and deliver science, technology and innovation for Warfighters.

AFRL Vision

To arm Warfighters that dominate in time, space and complexity across all operating domains.

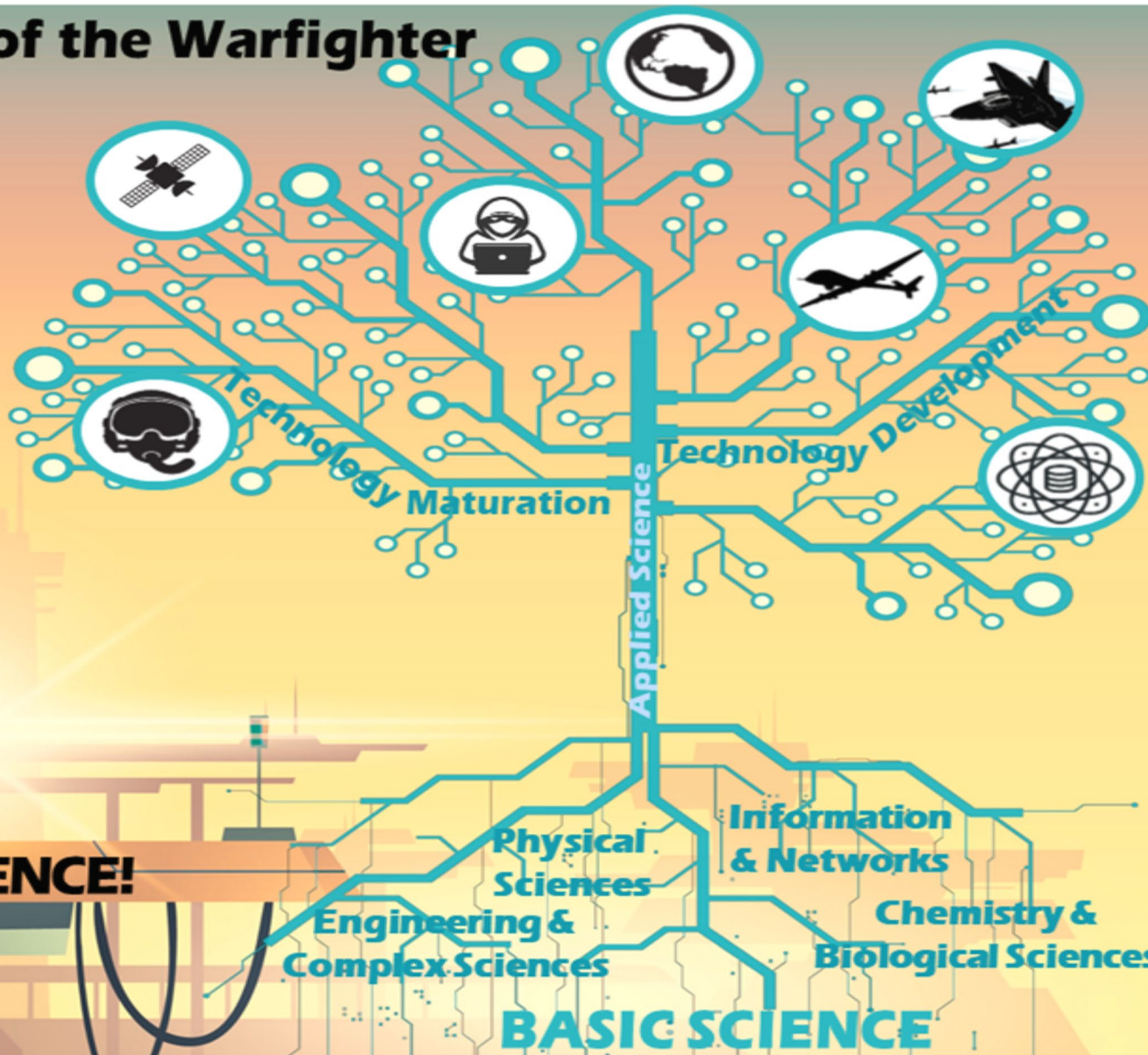
AFOSR, “We Science”!

We Discover, Shape, and Champion Bold, High Risk, High Reward Basic Research to profoundly impact the United States Air Force and Space Force





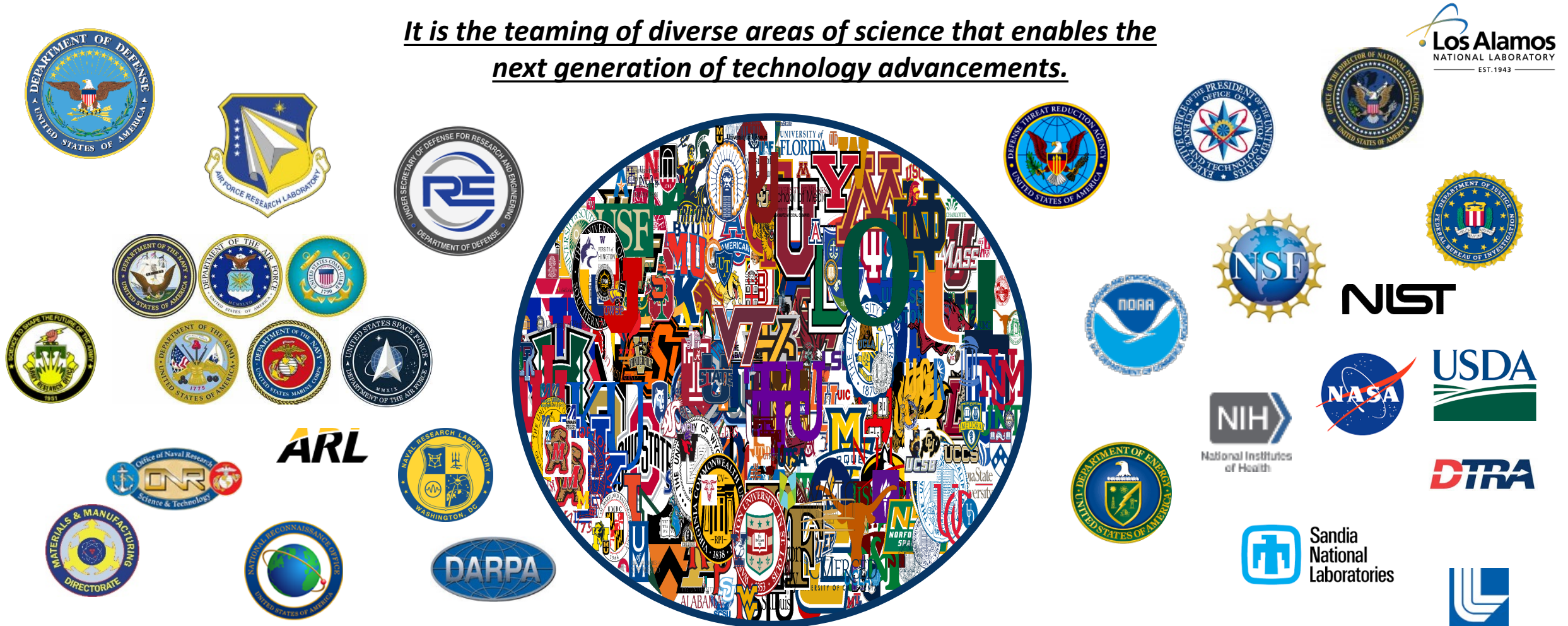
Capabilities in the hands of the Warfighter



We are AFOSR and we SCIENCE!

Strategic Partnerships are vital to Basic Research Success

It is the teaming of diverse areas of science that enables the next generation of technology advancements.

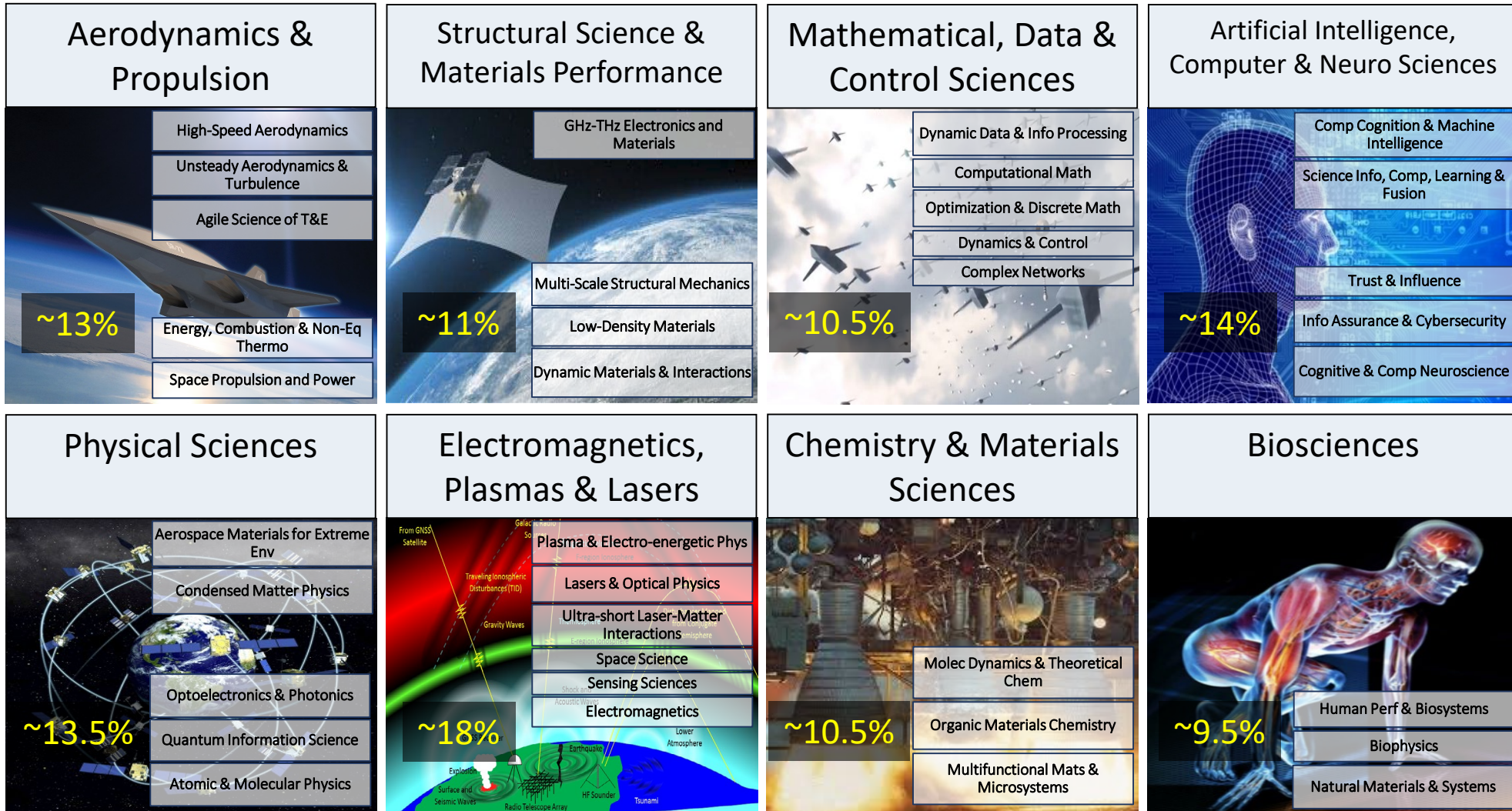


Department of Defense

Academia

Other Gov't Offices

36 Domestic and 18 International Science Portfolios



Basic Research Funding Process

Find

32 Program Officers (POs), **21** International Program Officers (IPOs), and **5** Program Coordinators (PCs) reaching scientists and engineers globally

Form

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

Fund

1,108 extramural research projects at **207** U.S. universities and small businesses in **47** states.
242 intramural research projects at AFRL Technology Directorates and other Air Force partners.
271 international efforts in **37** countries on **5** continents.

Forward

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





S&T Funding Opportunities for University Researchers

TRADITIONAL GRANTS

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

START

CAPACITY+ OPPORTUNITIES

- Multidisciplinary University Research Initiative Grants
- Instrumentation Grants
- Presidential Early Career Award for Scientists and Engineers
- MINERVA Research Initiative
- Summer Faculty Fellowships
- Windows on Science
- Defense Enterprise Science Initiative
- Small Business Tech Transfer Grants/Contracts


GROW

WORKFORCE DEVELOPMENT

- Undergraduate Research Experiences
- Graduate Fellowships
- AFRL Internships
- AFRL Science and Technology Fellowships

SHARE

Open Funding Opportunities - AFOSR

Opportunity Number	Opportunity Title	Posted Date	Close Date
FOA-AFRL-AFOSR-2021-0001	Center of Excellence (COE) Radiation Effect in Electronic Materials, Circuits, Devices, and Systems	12/01/2020	03/31/2021
FOA-AFRL-AFOSR-2020-0004	(FY20) Defense Established Program to Stimulate Competitive Research (DEPSCoR)	05/05/2020	02/15/2021
FA9550-19-S-0004	Military Medical Photonics Program	04/11/2019	Open until superseded
 FA9550-19-S-0003	Research Interests of the Air Force Office of Scientific Research	04/10/2019	Open until superseded
FA9550-19-S-0002	Military Medical Photonics Program (Small)	03/06/2019	Open until superseded
BAA-AFRL-AFOSR-2016-0008	Air Force Defense Research Sciences Conference and Workshop Support	07/22/2016	Open until superseded

For more funding opportunities create an account, save searches and subscribe to updates at

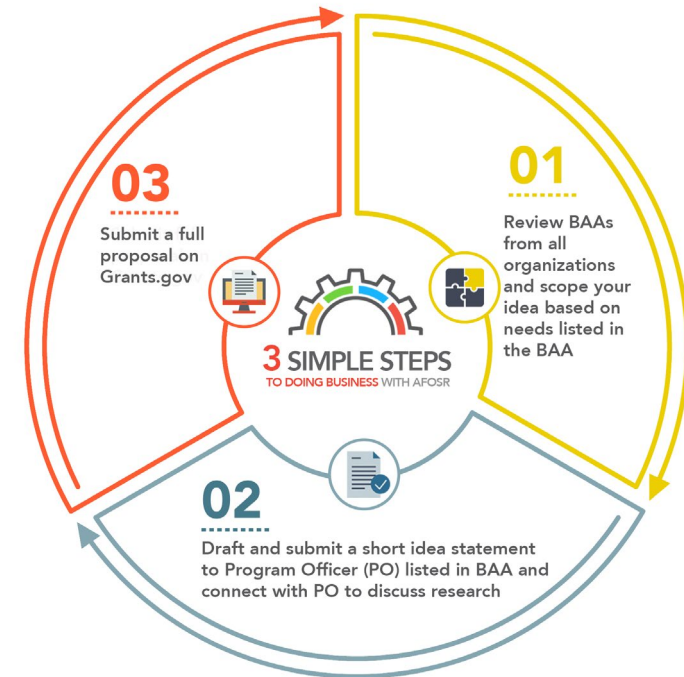


Doing Business With AFOSR

IMPROVING YOUR COMPETITIVENESS FOR WINNING A GRANT

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

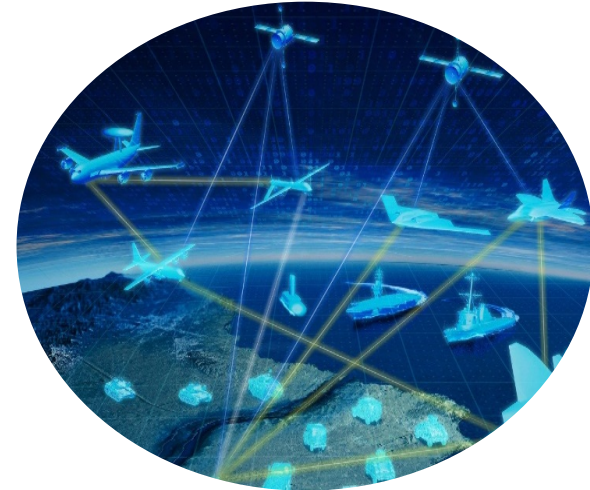


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IMPROVING YOUR COMPETITIVENESS FOR WINNING A GRANT

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



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

Doing Business With AFOSR

IMPROVING YOUR COMPETITIVENESS FOR WINNING A GRANT

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)





Join us online

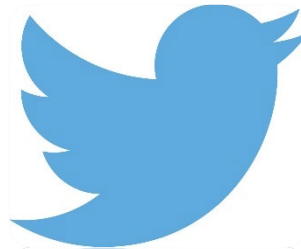
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#AFOSRYIP #EarlyCareer #Grants #AFOSRDURIP #FundingOpportunities #CenterofExcellence #STEM