



AFRL

Space Science Funding Opportunities at AFOSR

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AFOSR

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DoD Space Weather Enterprise



CJCSI 3810.01F designates 2 WS as the Lead Space Weather Unit for the Total Force

Commercial Integration Cell

WEATHER DRIVES BEHAVIOR

The Defense Established Program to Stimulate Competitive Research, Congress reauthorized the program in FY18 to build the national infrastructure by improving the capacity of institutions of higher education to conduct sustainable and national competitive defense-related basic research in historically-underrepresented 37 states and territories.

Eligibility

- Enhance the capabilities of institutions of higher education in eligible state and territories
- Increase the number of university researchers in eligible state/territories
- Increase the probability of long-term growth in the competitively awarded eligible states/territories

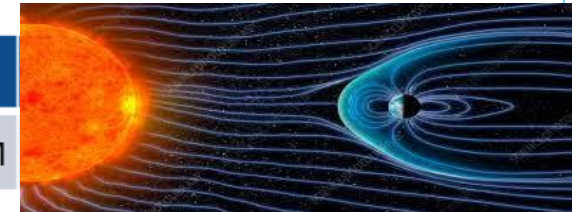
Stakeholders

- Every AFOSR portfolio
- AFRL
- ONR
- ARO
- OUSD / DoD
- Scientific Community

Budget

FY21

\$12.0M



FY20

- 6 awards (2 per service)

FY21

- 12 awards (4 per service)

This congressionally mandated program under the direction of the Office of the Under Secretary of Defense for Research and Engineering, OUSD (R&E), is a tri-service fellowship program sponsored by the Air Force Research Laboratory (AFRL), the Army Research Office (ARO), and the Office of Naval Research (ONR) designed to increase the number of US citizens receiving doctorates in research discipline areas of military importance at US institutions

- Serve as the DoD NDSEG program manager
 - COR for *three* active task orders
- Three year fellowship includes: full tuition/fees, \$3,400 monthly stipend, \$5,000 travel budget, & \$1,400 healthcare insurance

NDSEG Mentor Program

- Establish a one on one relationship with fellows and DoD S&Es
 - Host quarterly meetings
 - Advise fellows on career development
 - Promote DoD internships and research opportunities
- Serves as pipeline for DoD workforce development of future S&Es

Budget

BPAC: 61103F

FY16 (M)	FY17 (M)	FY18 (M)	FY19 (M)	FY20 (M)
\$43.5	\$45.0	\$45.0 \$3.0	\$45.0	\$45.0

150-180 awards annually

*: OSD Funds

NDSEG Conference

- Establish a relationship with fellows to increase DoD engagement
- Build networking community
- Connect fellows with sponsoring agency S&Es
- Provide valuable perspective on related research conducted across the defense community

DURIP is an Office of the Under Secretary of Defense, Research and Engineering (OUSDRE) sponsored tri-service program designed to improve the capabilities of accredited United States (US) institutions of higher education to conduct research and to educate scientists and engineers in areas important to national defense by providing funds for the acquisition of research equipment or instrumentation.

- Yearly budget \$15M to \$20M
- 12-month awards
- \$50K to \$1.5M (average \$300K)

Eligibility

- Open to all not-for-profit US institutions of higher education
- Instrumentation vests with institution – no citizenship requirements
- No past, current, or future DoD funding required

Stakeholders

- Every AFOSR portfolio
- AFRL
- OUSD / DoD
- Scientific Community
- Warfighter
- STEM professionals (current and future)

Budget

61103F – OUSDRE Funds

FY21

\$18.1M



The YIP is awarded to outstanding early career S&Es who show innovative and “high” risk basic research directly related to AFOSR portfolios in promising and potential groundbreaking topics resulting in “high” reward

- **Three year research grant totals \$450,000 (\$150,000 annually)**

Eligibility Requirements

- US citizen or permanent resident
- Within seven years of receiving PhD
- Employed by US institution, for profit businesses, or non-profit research organizations

Budget

BPAC: 61102F

FY16 (M)	FY17 (M)	FY18 (M)	FY19 (M)	FY20 (M)
\$16.5	\$17.7	\$17.1	\$16.3	\$16.4

One YIP per portfolio awarded

Recipient Attributes

- Address DAF and DOD future research needs in critical technology areas
- Foster creative basic research
- Enhance career development of early career researcher

The MURI is an OUSDR&E sponsored tri-service program that supports academic research teams in conducting ground-breaking, field-changing basic research addressing problems that span multiple disciplines. MURIs are extremely competitive awards for high-risk and innovative research that cannot be accomplished via single investigator grants.

- Yearly budget \$65M to \$70M
- 3 year awards / optional 2 years
- \$1.5M/year
- 8 new starts per cycle

Eligibility

- Open to US institutions of higher education
- Must be multidisciplinary
- Does not have to be more than one institution

Stakeholders

- Every AFOSR portfolio
- AFRL
- OUSD / DoD
- Scientific Community
- Warfighter
- STEM professionals (current and future)

Budget

61103F (OUSDR&E)

FY21

\$67.3M



- Read and respond to Broad Agency Announcement –on grants.gov – search AFOSR BAA

The Proposal

- White paper
- Abstract : Please say what you are going to do
- Body of proposal: Make the case for why. What is the outstanding science question?
- Research Plan: Please outline what you will do.

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