

IARPA Overview

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Office of the Director of National Intelligence







The United States Intelligence Community







IARPA Mission

IARPA envisions and leads *high-risk, high-payoff research* that delivers innovative technology for future overwhelming intelligence advantage

- Our problems are **complex** and **multidisciplinary**
- We emphasize technical excellence & technical truth





IARPA Method

Bring the best minds to bear on our problems

- Full and open competition to the greatest possible extent
- World-class, rotational Program Managers

Define and execute research programs that:

- Have goals that are clear, measureable, ambitious and credible
- Employ independent and rigorous Test & Evaluation
- Involve IC partners from start to finish
- Run from three to five years
- Publish peer-reviewed results and data, to the greatest possible extent
- Transition new capabilities to intelligence community partners





The IARPA Program Lifecycle

- IARPA's Partners (usually government agencies) are involved throughout the program lifecycle from program development to closeout and tech transfer.
- IARPA's Performers become engaged at the start of program execution







4 Core Research Thrusts





Analysis

Anticipatory Intelligence









Analysis R&D







Anticipatory Intelligence R&D



Collection R&D

Computing R&D

4 Core Research Thrusts \$ 1.7 opre Research Thrust US **Business &** Intelligence Industry Community **Public Sector** The U.S. Intelligence Community Anticipatory Intelligence Analysis is a coalition of 17 agencies and organizations, including the ODNI, within the Executive International Branch that work both independently and collaboratively to gather and analyze the intelligence necessary to conduct foreign relations and national Academia security activities. Collection Computing **Collection | Analysis | Operations | Anticipatory Analysis**

INTELLIGENCE ADVANCED RESEARCH PROJECTS ACTIVITY (IARPA)

IARPA does everything "from AI to Zika" and is a world scientific leader

Although best known for quantum computing, superconducting computing and forecasting tournaments – IARPA's research portfolio is diverse, including math, physics, chemistry, biology, neuroscience, linguistics, political science, cognitive psychology and more.

- **70% of completed research transitions** to U.S. Government partners
- 2,000+ journal articles published through FY2016
- Physicist David Wineland won the Nobel Prize in Physics for quantum computing research funded by IARPA
- World's leading funder of quantum computing academic research, and quantum research cited as Science Magazine's "Breakthrough of the Year"
- White House BRAIN Initiative, National Strategic Computing Initiative
- Dr. Craig Gentry named a MacArthur Fellow

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How to Engage with IARPA

Getting Started with IARP

At IARPA, we take real risks, solve hard problems, and invest in high-risk/high-payoff research that has the potential to provide our nation with an overwhelming intelligence advantage.

Are you interested in partnering with us to advance the state-of-the-art in research and development?

Read More

iarpa.gov | 301-851-7500 info@iarpa.gov

Reach out to our Program Managers.

Schedule a visit if you are in the DC area or invite us to visit you

Opportunities to Engage:

RFIS AND WORKSHOPS

Opportunities to learn what is coming, and to influence programs.

"SEEDLINGS"

Typically a 9-12 month study; you can submit your research proposal at any time. We strongly encourage informal discussion with a PM before proposal submission.

PRIZE CHALLENGES

No proposals required. Submit solutions to our problems - if your solutions are the best, you receive a cash prize and bragging rights.

RESEARCH PROGRAMS

Multi-year research funding opportunities on specific topics.