



Overview of Research Security

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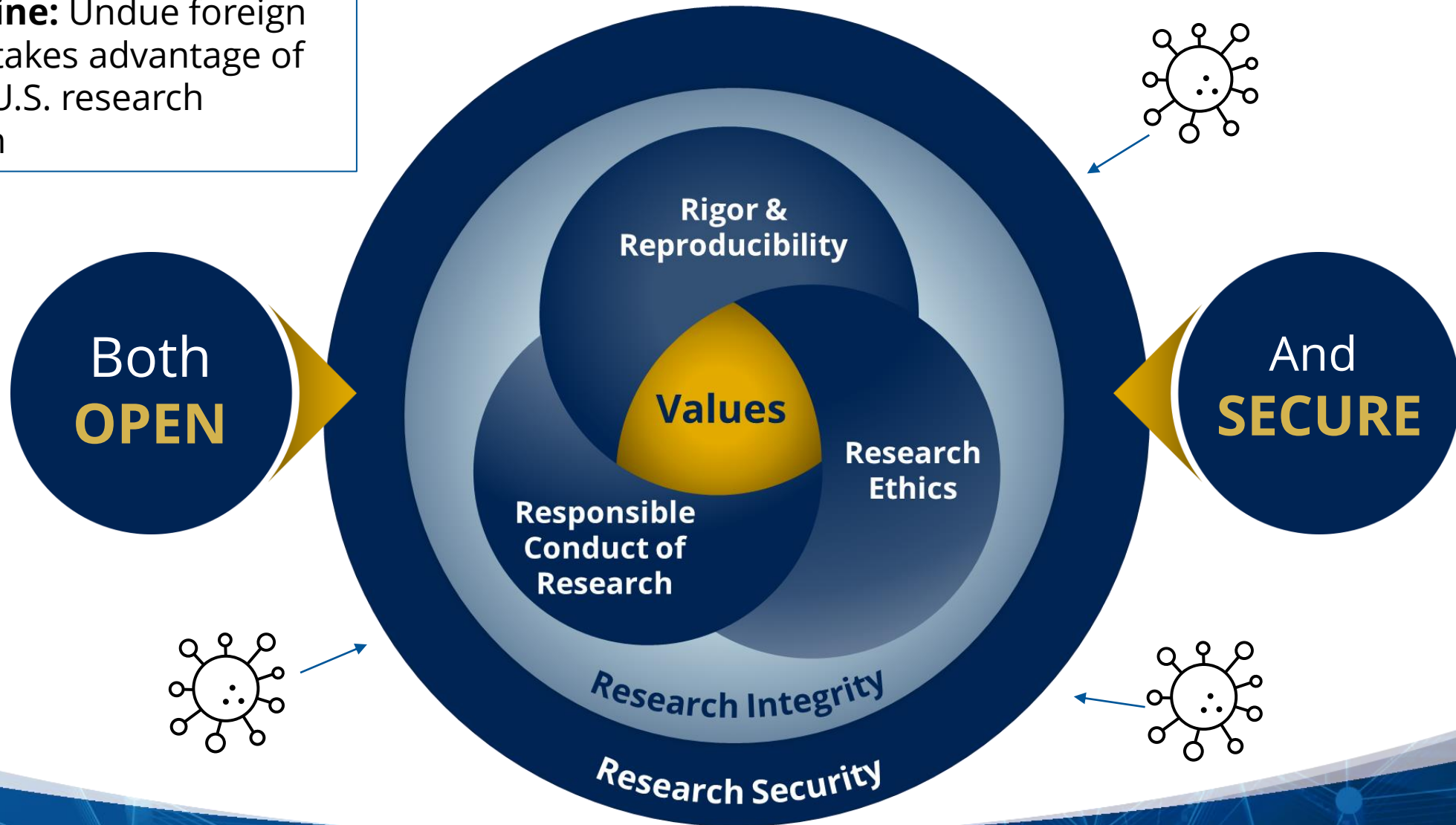
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Research Security Timeline



Cell Diagram of Research Security

Bottom Line: Undue foreign influence takes advantage of the open U.S. research ecosystem



Research Security at All Stages

Academic & Fundamental Research

- Safeguarding researcher ideas
- Doing due diligence on research funding sources
- Assessing potentially harmful end use
- Differentiating international collaboration from research security

Applied Research

- Safeguarding intellectual property
- Doing due diligence on sources of venture capital and investment
- Assessing potentially harmful end use
- Vetting international transactions



Research Security by All Actors



Funders

- Collecting appropriate disclosures
- Assessing research proposals for risk
- Working to mitigate risk to “get to yes”



Research Institutions

- Ensuring disclosures are complete
- Overseeing use of research funding
- Reviewing potential international interactions
- Creating a “research security safety culture”



Researchers

- Understanding terms of any proposed affiliation or funding source
- Communicating with home institution and funding agency
- Promoting a “research security safety culture” in the lab



SECURE

Safeguarding the Entire Community in
the U.S. Research Ecosystem





Mission:

Empower the research community to make security-informed decisions about research security concerns



Approach:

Providing information, developing tools, and providing services



Audience:

Universities, non-profit research institutions, and small and medium-sized businesses



Research On Research Security program (RORS)



Research on Research Security Program (RORS)

NSF seeks to fund research that will...



Identify and characterize attributes that distinguish research security from research integrity



Improve understanding of the nature, scale, and scope of research security risks



Provide insight into methods for identifying, mitigating, and preventing research security violations



Develop methodologies to assess the potential impact of research security threats on the U.S. economy, national security, and research enterprise



Research Security Training Modules



Research Security Training for the U.S. Research Community

- Four teams developing research security training frameworks and training modules
- Co-funded with National Institutes of Health (NIH), Department of Energy (DOE), and Department of Defense (DOD)
- Available for all appropriate researchers, stakeholders, students, academics, research security experts and leaders, government agencies and national laboratories



Module Topics

1

What is
Research
Security



2

Disclosure



3

Manage and
Mitigate Risk



4

International
Collaboration



