

Turning One-Pagers into ECR Proposals

Spring 2026

Washington DC

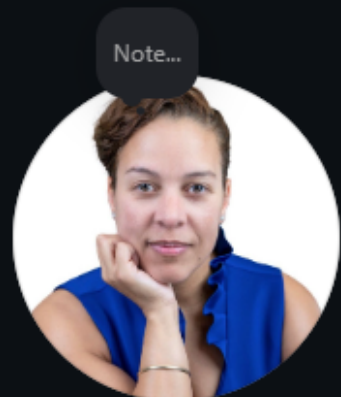
Erin Lynch, PhD, EdD, CRA



Land Acknowledgement

We respectfully begin by acknowledging our convening is located on the ancestral lands of the Nacotchtank or Anacostans of the Algonquian Nation, and neighbors the ancestral lands of the Piscataway [pis-cad-wah] and Pamunkey peoples. We recognize the Nations of the Pamunkey Indian Tribe, Chickahominy, Eastern Chickahominy [chick-a-hom-uhknee], Upper Mattaponi, Rappahannock, Nansemond and Monacan, Lenape, Nanticoke [nan-tuh-coke], Powhatan, Susquehannock, Tutelo and Saponi tribes who continue to live in the surrounding areas of Virginia and Maryland.

As academics, it is our responsibility to acknowledge the sovereignty and the traditional territories of these tribal nations, and the treaties that were used to remove these tribal nations, and the histories of dispossession that have allowed for the growth of our academic institution. Consistent with QEM's commitment to diversity, equity, inclusion, and belonging, we acknowledge the historical and current experiences of Native peoples as it helps inform the work we do.



Note...

drdrerinlynch

DrDrErin | Science of HBCUs she/her

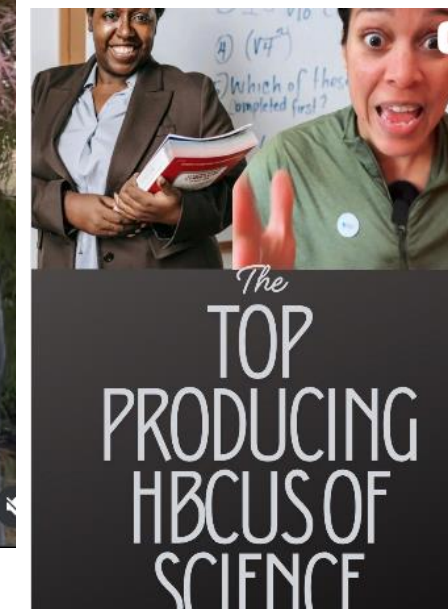
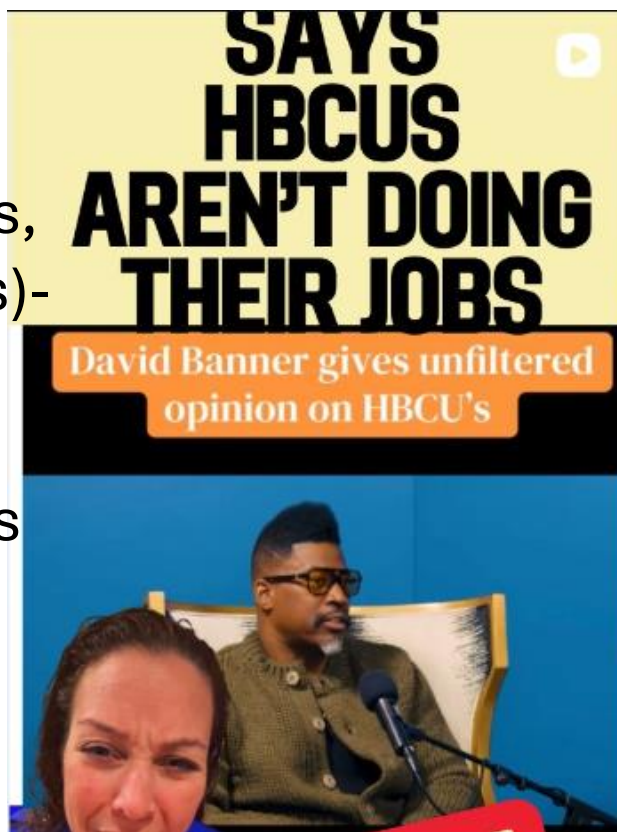
741 posts 15.6K followers 1,522 following

Banned TEDx Speaker, Science of HBCUs
"Science doesn't need you to believe in it—it needs you to participate."
Ph... more
linktr.ee/DrDrErinLynch

Published works-
peer-reviewed articles,
chapters, op-eds, major essays,
excluding white papers/reports)-
27 items since 2014

Presentations- 84 events

Grants written – 190 proposals
since 2010, \$1,062,307,823
35 funded,
totaling \$69,775,025



Overview

Proposal Development Workshop Summary

This workshop is designed for attendees without prior funding as an ECR PI and assumes they have already developed a one-pager for their ECR proposal idea. Facilitators will share their pearls of wisdom on turning a one-page proposal idea into a full-fledged competitive proposal. Facilitators will also discuss topics such as grant writing, partnership formation, and budget planning through hands-on activities, group discussions, and peer-to-peer networking opportunities. The workshop content will especially focus on the initial phases of turning an idea into an outline for a 15-page project description, while directing attendees to existing online resources for later proposal development stages after the Awardee meeting

Objective of Session

- (1) Attendees will identify core components to a NSF ECR proposal
- (2) Attendees will determine alignment between core components and the standard ECR RFP format
- (3) Attendees will align their conceptual ideation with ECR RFP format



Understanding the New Administrative Priorities

Cross-Cutting Actions

Implement and Support Gold Standard

Science (reproducible; transparent; communicative of error and uncertainty; collaborative and interdisciplinary skeptical of its findings and assumptions; structured for falsifiability of hypotheses; subject to unbiased peer review; accepting of negative results as positive outcomes; and without conflicts of interest.)

Build the S&T Workforce of the Future

Expand and Make Accessible World-Class Research Infrastructure

Revitalize and Strengthen America's S&T Ecosystem

Focus on High-Value Research Efforts



EXECUTIVE OFFICE OF THE PRESIDENT
WASHINGTON, D.C. 20502



M-25-34 / NSTM-2

September 23, 2025

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: RUSSELL T. VOUGHT 
DIRECTOR, OFFICE OF MANAGEMENT AND BUDGET

MICHAEL J. KRATSIOS 
DIRECTOR, OFFICE OF SCIENCE AND TECHNOLOGY POLICY

SUBJECT: Fiscal Year (FY) 2027 Administration Research and Development Budget
Priorities and Cross-Cutting Actions

"We are going to conquer the vast frontiers of science, and we are going to lead humanity into space and plant the American flag on the planet Mars and even far beyond. And, through it all, we are going to rediscover the unstoppable power of the American spirit, and we are going to renew unlimited promise of the American dream."

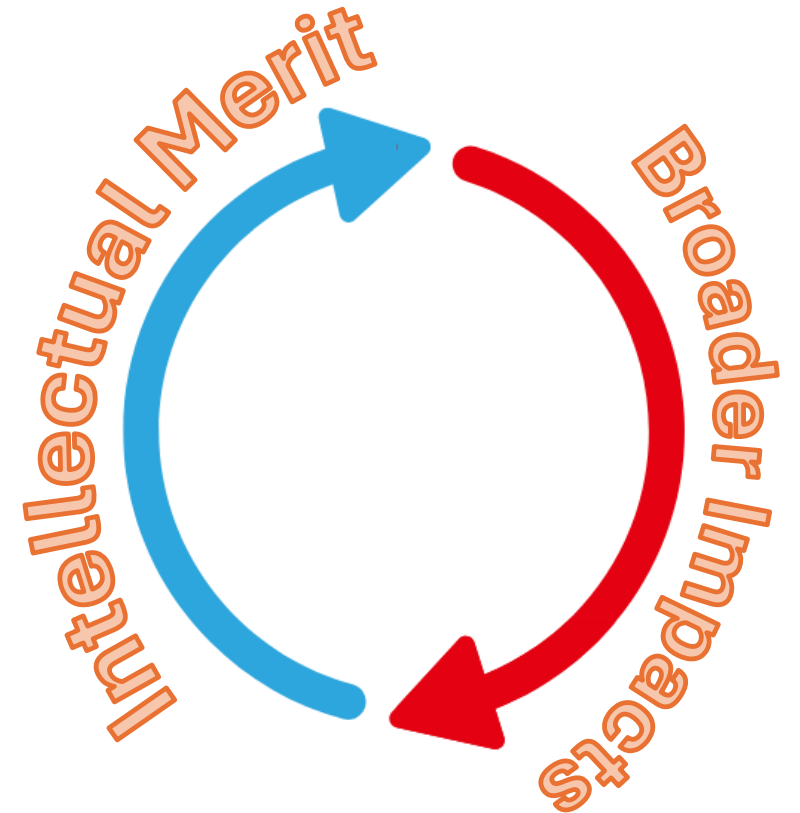
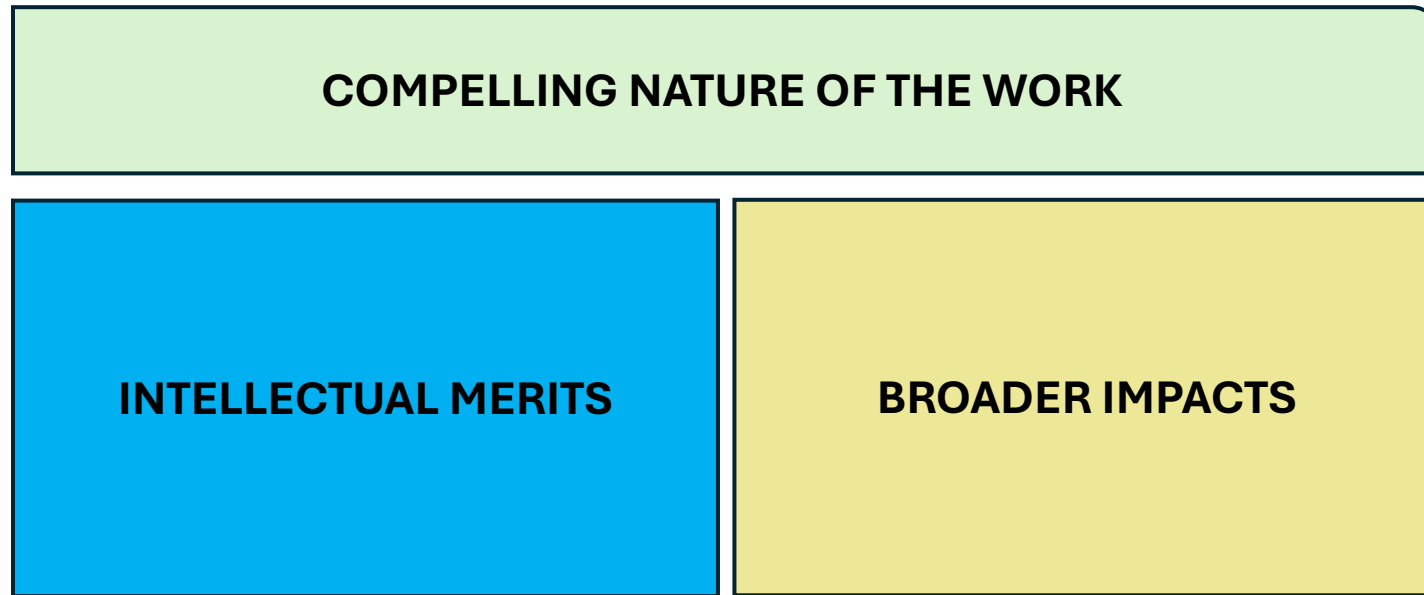
— President Donald J. Trump, 2025 Address to Joint Session of Congress

America's science and technology (S&T) engine is—and must remain—the greatest in the world. Long before rockets reached the moon or microchips powered our economy, the outcomes of Federal research and development (R&D) won World War II and laid the foundations for technological breakthroughs that secured our military dominance, built our industries, and improved the everyday lives of the American people. America's post-war recognition of the



Science and Art to NSF Proposal Development

The Science: Interpreting the NSF criteria



Science and Art to NSF Proposal Development

INTELLECTUAL MERITS

1. What is the potential for the proposed activity to advance knowledge and understanding within its own field or across different fields?
2. To what extent does the proposed activity suggest and explore creative, original, or potentially transformative concepts, approaches, activities, methods, etc.?
3. Is the plan for carrying out the proposed activities well-reasoned, well organized, and based on a sound rationale? Does the plan incorporate a mechanism to assess success?
4. How well qualified is the individual, team, or organization to conduct the project?
5. Is there sufficient access to resources? (Facilities and Equipment page, Data Management Plan technology referenced)

BROADER IMPACTS

The Broader Impacts criterion encompasses the potential to benefit society.

1. Increasing the economic competitiveness of the United States.
2. Advancing of the health and welfare of the American public.
3. Supporting the national defense of the United States.
4. Enhancing partnerships between academia and industry in the United States.
5. Developing an American STEM workforce that is globally competitive through improved pre-kindergarten through grade 12 STEM education and teacher development, and improved undergraduate STEM education and instruction.
6. Improving public scientific literacy and engagement with science and technology in the United States.
7. Expanding participation of women and individuals from underrepresented groups in STEM.

Matching your Idea to Funding

Unpacking the RFP

Pillars and Core Language

Read the segment above, then list the 4 pillars of the ECR:CORE program.

Core Language in Pillars

Enter your responses in the table below.

Pillar 1: Core Language	Pillar 2: Core Language	Pillar 3: Core Language	Pillar 4: Core Language



Science and Art to NSF Proposal Development

The Art: Crafting with a Reviewer in Mind

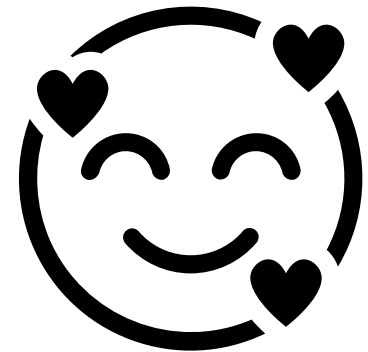
The Good



The Bad



The Pretty



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www.qem.org



@DrDrErinLynch

🌐 Making science make sense
for everyone 🧠 "Science
doesn't need belief—it needs
participation." 🎓 Ph.D | Ed.D | CRA
| Systems Interventionist Scientist

