

Encouraging Data Sharing Outside of Mandates

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HEARKEN TO THE MISERIES THAT BESET MANKIND. THEY WERE WITLESS ERST AND I MADE THEM TO HAVE SENSE AND BE ENDOWED WITH REASON. THOUGH THEY HAD EYES TO SEE THEY SAW IN VAIN, THEY HAD EARS BUT HEARD NOT. BUT, LIKE TO SHAPES IN DREAMS, THROUGHOUT THEIR LENGTH OF DAYS WITHOUT PURPOSE THEY WROUGHT ALL THINGS IN CONFUSION: THEY HAD NO SIGN EITHER OF WINTER OR OF FLOWERY SPRING OR OF FRUITFUL SUMMER, WHEREON THEY COULD DEPEND, BUT IN EVERYTHING THEY WROUGHT WITHOUT JUDGMENT, UNTIL SUCH TIME AS I TAUGHT THEM TO DISCERN THE RISINGS OF THE STARS AND THEIR SETTINGS, AYE, AND NUMBERS, TOO, CHIEFEST OF SCIENCES, I INVENTED FOR THEM, AND THE COMBINING OF LETTERS, CREATIVE MOTHER OF THE MUSES' ARTS, WHEREWITH TO HOLD ALL THINGS IN MEMORY--TWAS I AND NO ONE ELSE THAT CONTRIVED THE MARINER'S FLAXEN-WINGED CAR TO ROAM THE SEA:--IF EVER MAN FELL ILL, THERE WAS NO DEFENCE, BUT FOR LACK OF MEDICINE THEY WASTED AWAY, UNTIL I SHOWED THEM HOW TO MIX SOOTHING REMEDIES WHEREWITH THEY NOW WARD OFF ALL THEIR DISORDERS:--HEAR THE SUM OF THE WHOLE MATTER--EVERY ART POSSESSED BY MAN COMES FROM PROMETHEUS.



Metaphors for data sharing ...

Theft

Sacrifice

Obligation



Who do we need to incentivize to honor data sharing?



Scientists

- Many competing demands
- Grant support never covers full effort



Program Officials

- Huge discretion in enforcement
- Unclear support for open science and data sharing



Honoring data sharing through the biosketch?

C. Contributions to Science

Format: Briefly describe **up to five of your most significant contributions** to science. The description of each contribution should be no longer than one half page, including citations.

From 5 contributions to 1+4?

Could we reserve a contribution for resource or data sharing?

<https://grants.nih.gov/grants/forms/biosketch.htm>



Honoring data sharing at an agency level?

NIH RePORT RePORTER

FAQs API Sign In

Search Results
8,243 Projects

Shared Data or Resources?

Amyotrophic Lateral Sclerosis Search

Projects Publications Patents Clinical Studies News & More

Results are sorted by Relevance

List Charts Map

T Act Project	Year	Sub	Principal Investigator(s)/ Project Leader(s)	Organization	Fiscal Year	Admin IC	Funding IC	FY Total Cost by IC	Similar Projects
Dynamic RNA-protein assemblies and neurological disease									

- How do we automate this tracking? DOIs?
- Does implementation dictate our oversight and incentives?

<https://reporter.nih.gov/>



Honoring data sharing at the portfolio level?

How do we honor the foresight and mentorship program officials offer to make data sharing impactful?

- How do we move from projects and agencies, to portfolios?
- How do we track derivative works, and the value of data sharing itself?

Three takeaways

- We are in a cultural shift honor sharing. NIH may need to develop specific tools to make this stick.
- To help incentivize sharing for scientists, we need to ensure all scientists are expected to highlight their sharing accomplishments to NIH and their peers.
- We need to incentivize and honor NIH program officers to make data sharing impactful across portfolios.