# Specific Challenges with Data Sharing:

# A view from Basic Experimental Studies with Humans (BESH)

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#### Disclosures

Funding: NIH (NCI, & NEI), NSF

Roles in organizations for whom I am <u>not</u> speaking

Past President – Federation of Associations of Behavioral and Brain Sciences (FABBS)

Editor - Cognitive Research: Principles and Implications (CRPI) – Psychonomic Society

We were asked for

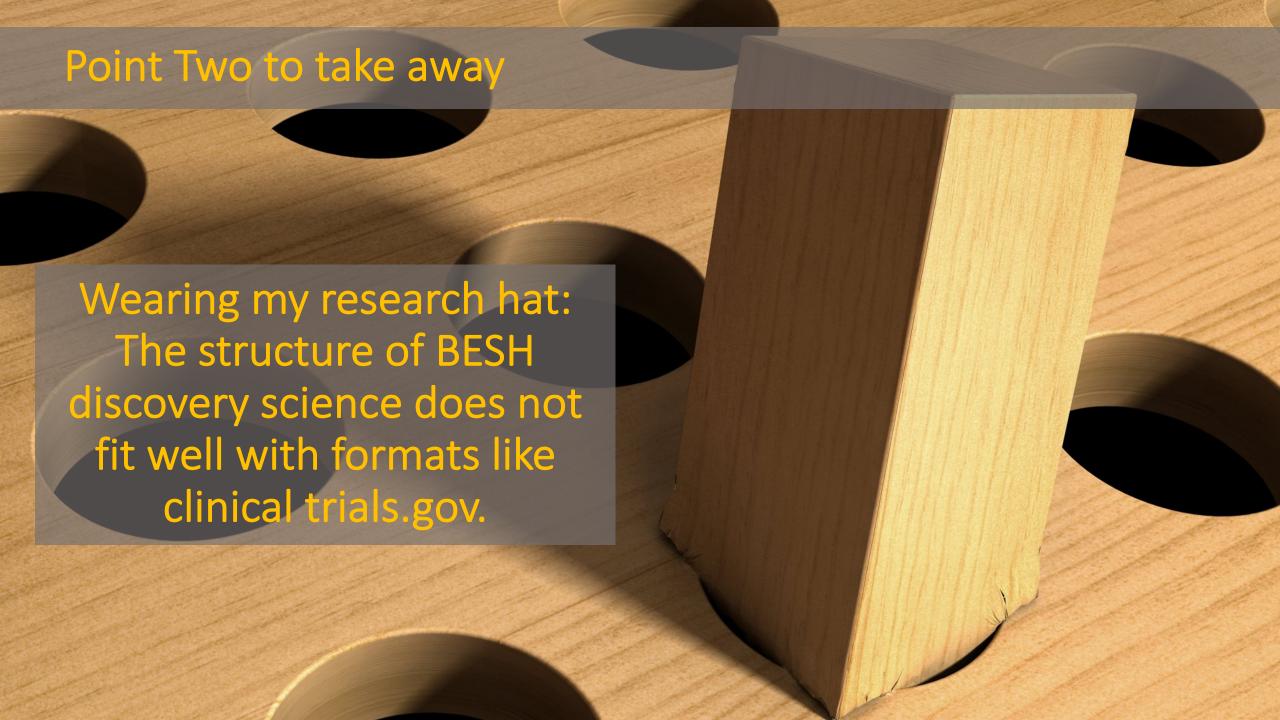
Three points to take away

So....

#### Point One to take away

The behavioral science community sympathizes with NIH goals and concerns about openness. We back data sharing, archiving, reporting, and registering.

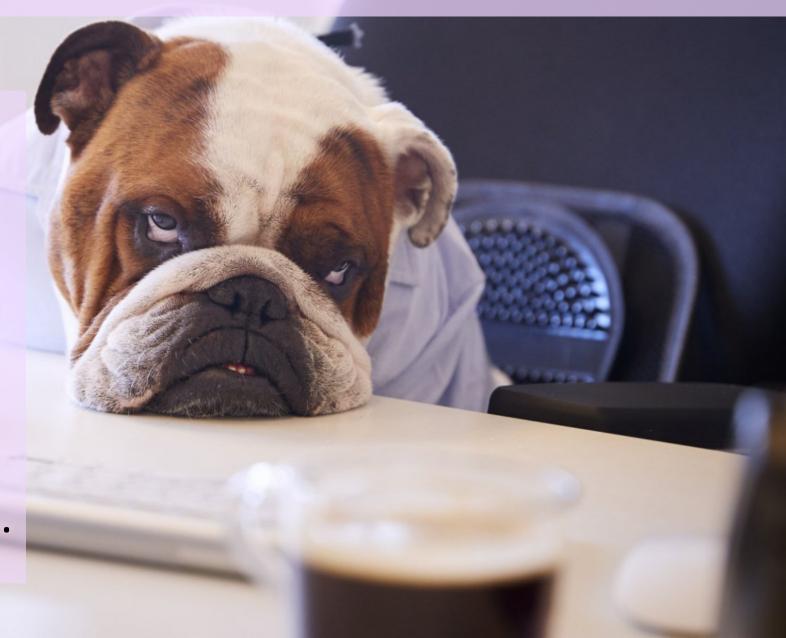




#### Point Three to take away

Wearing my journal editor hat:

There is a tension between full reporting and the desire to publish science that moves the field forward.



#### Let's elaborate:

We will take Point 1 as a given.



#### Point 2:

The problem: NIH is funding a lot of clinical trials whose results are never published.

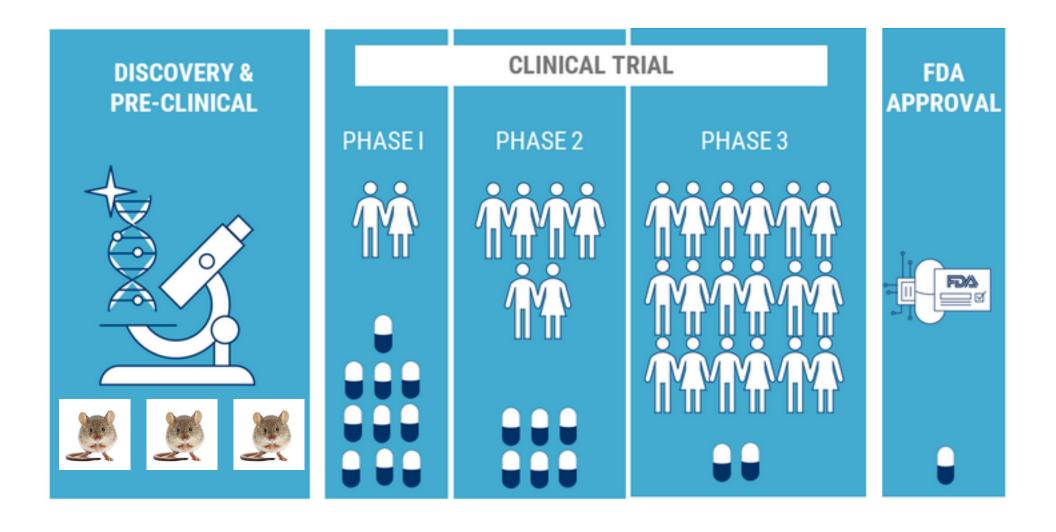


https://grants.nih.gov/grants/guide/notice-files/NOT-OD-18-217.html

"fewer than half of trials funded by NIH are published in a peer reviewed biomedical journal indexed by Medline within 30 months of trial completion. Moreover, after a median of 51 months after trial completion, a third of trials remained unpublished."

Ross et al (2012) Publication of NIH funded trials registered in ClinicalTrials.gov: cross sectional analysis BMJ 344

## What is a clinical trial? (We all know...right?)

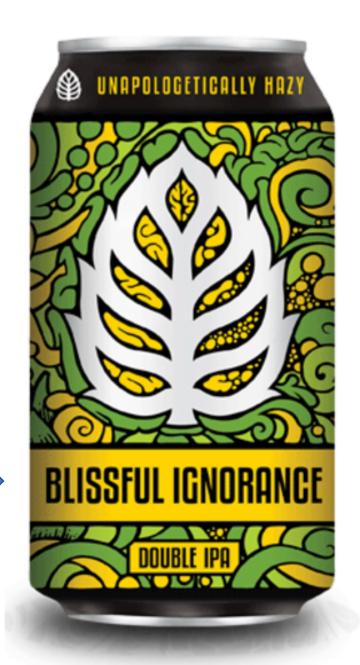


# NIH decides to round up the wandering sheep



# Not our problem

The state of the behavioral science community



### Oh dear, it is our problem.

1. Does the study involve human participants?



2. Are the participants prospectively assigned to an intervention?



3.Is the study designed to evaluate the effect of the intervention on the participants?

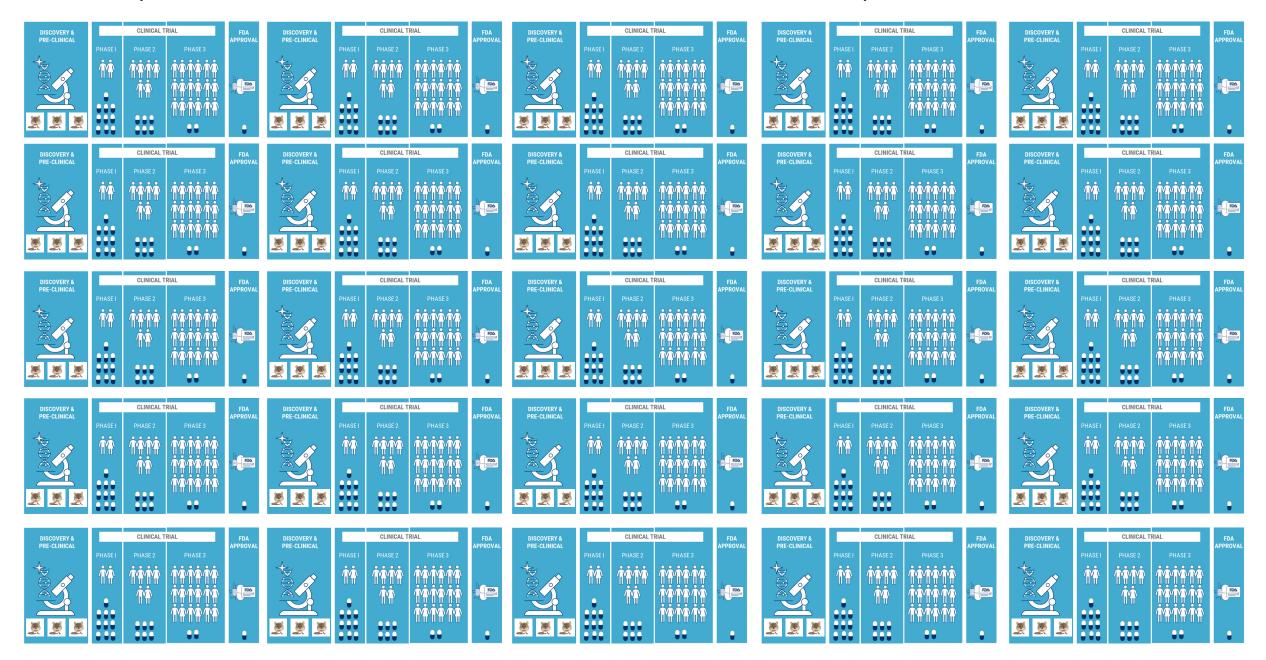


4.Is the effect that will be evaluated a health-related biomedical or behavioral outcome?





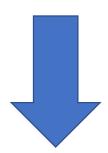
#### My most recent RO1 contains ~25 "clinical trials" by the NIH definition





Find a pathway for BESM (thank-you NLM) **BESH** 

#### Meanwhile, back to this problem



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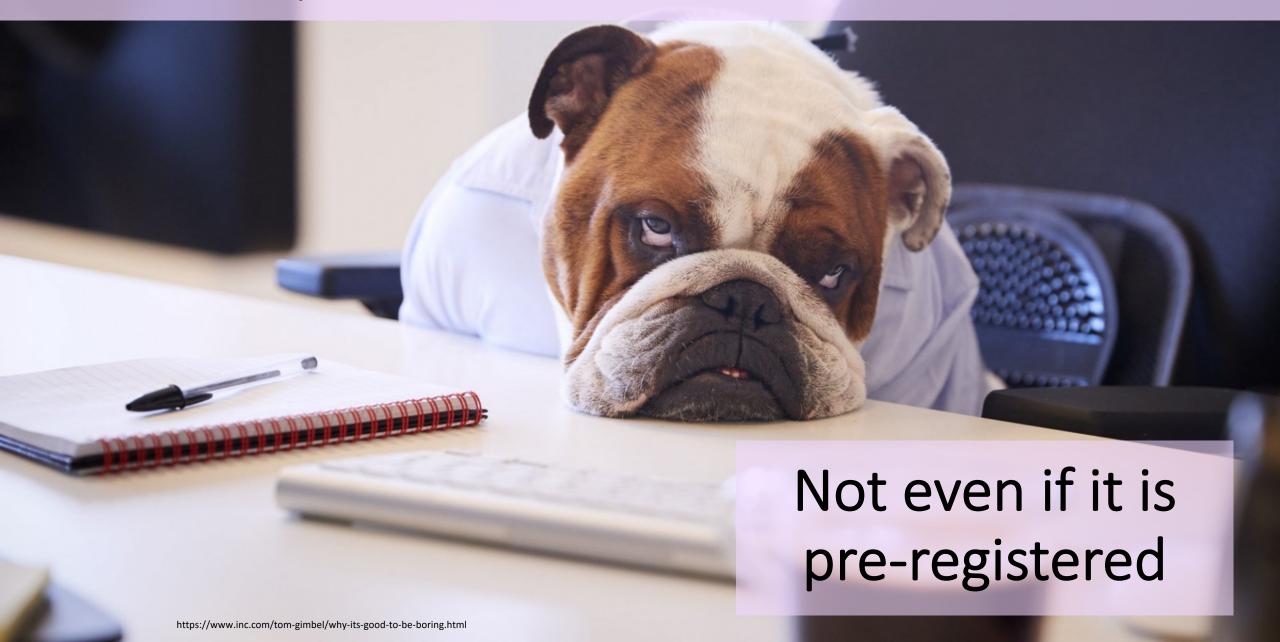


### What is the problem?

I do not want your boring replication, negative result, etc, in my journal,



### What is the problem?





Register *any* experiment that might be publishable

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When the experiment is done, add a results report to the registration.

Feed that material in into grant progress reports (c.f. My NCBI)

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Publish the peer-reviewed, curated, interesting work.

