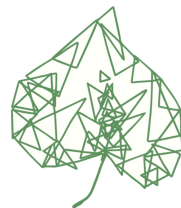


# How do we value shared research data?

Rick Gilmore



**PennState**



**PLAY**

Play & Learning  
Across a Year



**Databrary**

# What I think

- Much more data can be shared much more widely...
- Data sharing viewed as of lower value than most other products of scholarship
- Data sharing is more work than it should be
- Planning for data sharing can't begin too early
- Let's celebrate exemplary practices and behaviors

How do we value shared research data?

~~How do we~~ Who values shared research data?



## Articles

# Genomic characterisation and epidemiology of 2019 novel coronavirus: implications for virus origins and receptor binding

Prof Roujian Lu MSc <sup>a\*</sup>, Xiang Zhao MD <sup>a\*</sup>, Juan Li PhD <sup>b\*</sup>, Peihua Niu PhD <sup>a\*</sup>, Bo Yang MSc <sup>c\*</sup>, Honglong Wu MSc <sup>d\*</sup>, Prof Wenling Wang PhD <sup>a</sup>, Hao Song PhD <sup>e</sup>, Baoying Huang PhD <sup>a</sup>, Na Zhu PhD <sup>a</sup>, Prof Yuhai Bi PhD <sup>f, g</sup>, Prof Xuejun Ma PhD <sup>a</sup>, Prof Faxian Zhan PhD <sup>c</sup>, Liang Wang PhD <sup>f, g</sup>, Tao Hu MSc <sup>b</sup>, [Hong Zhou PhD <sup>b</sup>](#), Prof Zhenhong Hu MD <sup>h</sup>, Prof Weimin Zhou MD <sup>a</sup> ... Prof Wenjie Tan MD <sup>a, h, i</sup>  

# Who *values* shared research data?

- Funders?
  - But *requirements* (at NSF and NIH) are weak
- Journals?
  - “Data available on reasonable request to the senior author...”
- Institutions?
  - “Participants only gave permission for Y institution to use...”
- Researchers?
  - In some fields, absolutely
  - In others, meh
  - Observational vs. experimental
  - Data quality/documentation a meaningful limitation

# Giving shared research data *real* value

- \$, resources, fame
- Funders
  - More \$/top-offs to researchers who *actually* share
  - 15% solution: (curation/secondary use/repository support)
- Institutions
  - Step-up & support data curation
  - Treat data as an asset not just a liability
  - Acknowledge bias toward individual vs. team/group contributions
- Journals
  - Open access + shared data == FREE
  - Closed access or no shared data == Publication fee

# Giving shared research data *real* value

- Professional societies
  - Provide guidance about where to share, how and why
- Someone...
  - Acknowledge, promote, celebrate, create buzz around exemplary data sharing
  - Make sharing kewl/rad/dope/sic
  - A glam awards dinner with big cash prizes