

Research Policy Committee

November 22, 2019

2:30-4:00 pm

Fleming, Room 4250

Chaired by Dr. Francine Dolins

**Members present:** Francine Dolins, Jacob Carlson, Irene St. Charles, Natalie Colabianchi, Nicholas Ernst, Nicholas Harris, Jessie Hyun Lee, Annalisa Manera, Jenna Manske, Akira Nishii, Teri Rosales.

**Absent:** Francois Beaufay, Yi-Su Chen, William Close, Marisa Conte, Mimi Dalaly, Kate Eaton, Hafiz Malik, Jairam Menon, Jessie Lee, Ashley Kalinski, Nocona Sanders, Priti Shah.

I. **Review of minutes from October 2019**

- *Approved.*

II. **First topic:** Data Sharing – Jake Carlson

- Faculty Committee on Data Sharing: Preserve, manage and share research data; From point of view of research institution rather than PI.
  - i. Multi-disciplined
  - ii. 3 areas to address
    1. Oversee large scale view of how the data sharing is actually “lived”
      - a. Identify gaps, uses, access, etc.
    2. Take the patterns and themes and create value statements
    3. Leverage the values to look at University policies on “data”
    4. How do we support each dept and college within the institution? Also from different funding agencies (DoD, NIH, etc). PIs follow through on commitments to make data more accessible, for university and for individual themselves.
- Research Data Sharing Services Group (RDSSG)
  - i. A collaboration group representing multiple units
- NIH 2011 – set out requirement for sharing and managing data.
- Driven by communities of practice (e.g., genomics; astronomy).
- Discussion of conflict between sharing/managing data and the US govt new requirements on protecting intellectual property (“undue foreign influence”).
- Three daunting challenges:

- i. Count data sets towards P&T, adding value towards particular field of study.
    - ii. Heterogeneity of data types is a challenge at UMichigan
    - iii. Requirements for sharing data and coordination within and outside of UM is a challenge.
  - Mission statement of UM is helping people of Michigan and world.
- III. A number of areas and responsibilities for RPC to help:
- Proposing a new Committee of faculty and staff: What institutional resources can be directed to services for sharing/managing and fulfilling the data sharing requirement at UM's patterns?
  - To evaluate patterns and themes – develop services and support to fulfill UMs values
  - To leverage values – policies on data sharing. Impact delivery of service and support.
  - Data management plans in grants often live and die within that grant; not progressed and fulfilled during project. Be more proactive rather than reactive.
  - Digital storage: how that happens over time, maintenance and protection.
  - Developing educational programming around that data set, and to incorporate that plan into grad programs if possible.
- IV. DOI's: an article identifier; ORCID: identifier as researcher, or for depts, to make sure PI gets credit for their work.
- V. Q&A:
- Jake was asked to share the full document with the committee, if allowed to do so Contact Jake for questions and information to create a plan for data storage, management and sharing process: [Deepblue@umich.edu](mailto:Deepblue@umich.edu)
  - Q: Partnerships amongst universities to share data sets; would going ahead disadvantage UM if on it's own? Why a disadvantage? A: PI gets credit for data set but institution loses credit.
  - Networks help to share work. A data network – for curation review services. Cornell provides a good service model. e.g. if we get a dataset in biochemistry, and know that Univ of Minnesota has an expertise in curation in biochem, will ask UMinn to curate and coordinate that dataset.
  - Q: Access the full report beyond executive summary would be helpful. All types of data – how they are managed and fits within the data management plan. ICPSR data, for example? This would help others to use other data sets with confidence.

Not to share ALL data, but to share data of value. There are some datasets that should be closed (e.g., human subjects; medical; etc.).

- Q: Is curation necessary for datasets?
- A: Yes, definitely, vetted and documented datasets, with good resources and hone skills for other researchers/scholars. Codebook, instructions, data and metadata, are critical.
- Q: What are the challenges – human data, has attributes of where people live. So the decision is not to share those data. And data use agreements that make it difficult to navigate these issues.
- A: Forge repositories across institutions for specific fields.
- Cost of storage where data doesn't crash a system = GLOBUS – more secure connection through Deep Blue. We want to share but can't share just now: Embargo – satisfying requirement for sharing but delayed. Or single use sharing.
- Q: How does this work with patents?
- A: Not sure from library perspective. Good question for VP Kelly Sexton.
- Q: In prep for grants, can Deep Blue help with plan for grants pre-submission?
- A: Boiler plate plans from Deep Blue to help but can't be specific pre-data collection.
- Q: Cost of Deep Blue?
- A: There is no direct cost to researchers for depositing or accessing data. The costs for these services are paid by the library
- Q: How practical to keep accumulating data for costs and space?
- A: How much should the University keep storage and space, as costs grow? How long to keep data sets? Curation networks help and eventually costs in grants.
- RDA: institutions band together to create tools.
- Question/suggestion: Intra-University effort is suggested for longevity of success
  - i. Potential disadvantage at going at this alone
- Response: experts in curation expertise exist at different institutions and can be utilized.
- Comment: ISR has questions about datasets for P&T, where it is formally recognized. Do other depts do the same?
- ACTIONS: Francine: We should voice support of this endeavor with a letter asking for feedback from VP Cunningham meeting prior to her visit with RPC meeting (late January) to improve support for data needs.

## VI. Discussion for topics of final meeting

- Still looking for topic/speaker for final meeting
  - i. Lots of discussion around the topic of international relationships and disclosure

- ii. Decided by the committee that the topic of intellectual property and international relationships should be a part of the final agenda; Francine will ask Dr. Michael Imperiale if he would be willing to update RPC in the April 2020 meeting.

**VII. Announcements**

- Reported presentation by Craig Reynolds at the RAAC meeting from 11.21.2019:
  - i. “Elevated risk” investigated for visiting scholars and students from certain identified countries, such as Saudi Arabia, China, etc.

**VIII. Call for other business**

- No added comments from the committee
- Undergraduate research
  - i. Undergraduate led courses being offered at PERCH RESEARCH.COM
    1. Student created and led curriculum
      - a. Chemistry
      - b. Chemical Engineering
      - c. Hoping to offer other areas as well
    2. Includes a research course and a research conference/workshop
    3. Online platform connecting students to research-based jobs
- Akira and Jenna: Initiative: undergrad led classes/curriculum to teach research methods in Chemistry and Chem Engineering depts. Will publish in Nature or Science. Targets junior level undergrad students. Provides grants for travel to conferences for students to present their work.
- Employment platform also for undergrads. Partnering with MCubed and with 16 universities, as well as PhD students to find job opportunities in industry (e.g. PERCH RESEARCH.COM) with Genetech; Deep Mind; Google. Also conference – with 156 student presenters and 99 grad student judges.

**IX. Meeting adjourned: 16:15**