

## RESEARCH ADVISORY BOARD (RAB)

September 5, 2017

8:30-10am

### Medical Sciences Building, Chancellors Conference Room S-118

**Attendees:** Henry Chambers, Jane Czech, David Erle, Vanessa Jacoby, Jim Kiriakis, Georgina Lopez, Wallace Marshall, Michael Nordberg, Christine Razler, Brian Smith, Eunice Stephens, Paul Volberding, Winona Ward, Julene Johnson, Mounira Kenaani, Stephen Lazarus

**On the phone:** John Ellis, Clarice Estrada

**Not here:** Lisa Duca, John Ellis, MC Gaisbauer, Jennifer Grandis, Diane Havlir, Xiao Hu, Gretchen Kiser, Stephanie Louie, Irene McGlynn, Cindy Mellon, Suzanne Murphy, Teresa Moeller, Thomas Neylan, Theresa O'Lonegan, Feroz Papa, Nirao Shah, James Sorensen, Matt Springer

**Guests:** Mark Freiberg and Christopher Shaffer

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#### RAB Board Updates

- None

#### New EH&S Executive Director, Mark Freiberg

See PowerPoint presentation attached

Mark introduced himself as the new EH&S Executive Director and presented several slides regarding his background, key approaches toward his position, and responsibilities in his new role. Mark was most recently with the University of California, Berkeley (UCB) as the EH&S Executive Director, and has professional certifications in Industrial Hygiene, Safety, and Emergency Management. Mark comes experienced with 10 years in private industry and 22 years at UC Berkeley. Mark oversees programs that include Hazardous Materials, Environmental, Campus safety, Biosafety, Radiation Safety, Industrial Hygiene, Fire and Ergonomics. Mark looks forward to building close relationships and improving the safety culture at UCSF.

#### Questions/Comments:

1. Any goals to expand the lab coat laundry program for clinical researchers?  
Mark will work toward fulfilling the needs of the identified gaps in the program.
2. Is there an option to centralize required trainings in one program as oppose to getting multiple emails from different departments?  
As Mark oversees EH&S trainings, Brian oversees trainings across the University as a whole. Brian is working towards finding a solution on how to centralize all trainings and minimize notifications.
3. Is there a better way to coordinate moves into new lab space? The issue that is occurring is as PIs move into Parnassus lab space, the space is often out of code and needs to be retrofitted, this causes the PIs money and hoping there is a solution to this.  
Existing space always presents challenges especially as new codes are created after the lab has been built. One example of issues with current space and meeting regulation is the Maximum Allowable Quantity for chemicals. The institution needs to plan for this.
4. Is EH&S responsible for export control, it is difficult to find information?  
No, export control is handled through the Office of Ethics and Compliance, under Teresa O'Lonegan.

#### New University Librarian and Assistant Vice Chancellor for Academic Information Management

Chris Shaffer has worked in academic health centers for his entire career at the University of Illinois at Chicago, the National Library of Medicine, the University of Iowa, and most recently as University Librarian at Oregon Health & Science University. He has a BA in Philosophy from Texas A&M University and an MS in Information Science from the University of North Texas. Chris is excited about working at the UCSF Library, which has a reputation for excellence in education and digital libraries. Examples include the Ilios curriculum management system, developed as a partnership between SOM and the Library, is used in medical schools around the world. The Industry Documents Library, including the Truth Tobacco Industry Documents, was one of the first large scale digital archives hosted by a library and continues to be a place for researchers and others to share information about industry activities that are detrimental to public health.

Chris is a huge proponent of open science and the challenges it presents to our campus and the scientific community. University of California faculty and researchers produce more than 2% of the world's research literature and UC is a major market for research publications. As a large fish in the pond of scientific publishing, the UC system has the power to change the world. Chris will be working to thread support for open science throughout the library's programs and services. A lot of work is already being done in this area. For example, at ZSFG, the library works with clinicians to provide health information for patients, recruiting volunteers to help patients be more informed members of their health care team. The new Makers Lab is providing tools for innovative design, supporting learning, inspiration, and exploration at UCSF. And the Library's Data Science Initiative is hosting software carpentry workshops and classes on open tools such as Python and R. The Library will be seeking new partnerships to address the big ideas of open science, and will build in existing partnerships with organizations like ICHS, the California Digital Library (CDL) and the CTSI. The problems of reproducibility, data sharing, and open access are exciting and will take a group effort.

#### Questions/Comments:

1. Data science is at the stage where molecular was a generation ago, and seems that it will transform research (clinical & basic), We do not have data science departments. Will the library step in and fill in that void? Library is on board with filling the void, and they currently have computer scientists on staff who are currently supporting Ilios and CLE. There are also programmers on the academic information side. They plan to leverage the University of California system. ICHS recently announced they will bring over some of the Berkeley data science courses as curriculum courses to UCSF. The National Library of Medicine has a traveling data science boot camp that Chris is hoping to invite to campus and bring in outside people to fill in the void.
2. There can be an opportunity about lab notebooks and how to help the research community keep track of data? Chris at OHSU the ontology group conducted a study on labs and asked "how many things can we identify that researchers have published on?" They reviewed the research, spreadsheets, lab notebooks, etc., and could only identify 70%. Of which included post-it notes, word documents, spreadsheets and files with various naming conventions. The library is already teaching courses in Jupyter Notebook, which is an open source lab notebook.
3. Policy for open access publishing? The idea of open science includes open access. Rich Schneider has been a leader in the field for a long time. The faculty senate here has given about \$100,000 to support open access fees. The UC open access policy, which is an academic faculty policy for the entire University of California says that all articles by UC authors should be made available for public access. OA2020 is a pledge to change the way that open access and journals are funded by paying up front rather than paying on the receiving end. A pledge was signed that states that UCSF will do their best to find new economic models to transition spending millions of dollars to publishers (i.e. Elsevier, Wiley, Springer), into open access publishing. The idea is to pay for the articles up front. Currently just about 20% of research is participating in open access. Over the past 10 years the inflation rate for journals has been significantly higher than the consumer price index.