



CoR Summer Meeting

Agenda



Sunday, June 28 – Wednesday, July 1, 2015

Bison Conference Rooms

Westgate Park City Resort and Spa

Sunday, June 28

8:30am-4:30pm
Bison Rooms 1 & 2

New/future VPR workshop (Optional - separate registration)

3:30-5:30pm

Registration for full meeting (With sign-up sheets for Monday and Tuesday dinners on your own)

5:30-7:00pm
Bison Rooms 4 & 5

Reception – heavy hors d’oeuvres, cash bar available

Monday, June 29

7:00am-1:00pm

Registration (With sign-up sheets for Monday and Tuesday dinners on your own)

7:15-8:30am
Bison Room 6

Executive Committee Breakfast

7:45-8:30am
Bison Ballroom

Breakfast (All registrants – Non-Executive Committee)

8:45am
Bison Ballroom

Welcome

Richard Marchase, Vice President for Research and Economic Development, University of Alabama, Birmingham; Chair, Council on Research

Session I

9:00 – 10:15am
Bison Ballroom

Reproducibility of Research

Kelvin Droegemeier, Vice President for Research, The University of Oklahoma
Barbara Entwisle, Vice Chancellor for Research, University of North Carolina at Chapel Hill

Foundational to the scientific method is the notion that research results should be rigorous and independently reproducible. The issue of reproducibility has emerged as an important topic of conversation during the past several years, with considerable attention in the life and social/behavioral sciences. Discussions about it are occurring in a wide array of venues, ranging from publishers and Federal agencies to Congress and leaders of research institutions. Spurring these activities are a number of factors, including the open data revolution, calls by many quarters for greater transparency and accountability, increasingly complex research problems that require new experimental approaches, and evidence that the results of many published studies cannot in fact be reproduced (as noted in a recent editorial, the reproducibility of a result does not mean it is correct, nor does the lack of reproducibility mean it is incorrect).

(Monday Continued)

This session will provide an opportunity for senior research officers to come up to speed on current issues, challenges, and viewpoints regarding reproducibility, and it also will facilitate dialog by attendees on a number of important questions that bear directly on the broader research enterprise as well as on attendees' own institutions.

Overview presentations by **Kelvin Droegemeier**, **Barbara Entwisle**, followed by structured discussion.

Read-Ahead Materials: The following materials are offered to frame the discussion so that attendees arrive prepared, thereby maximizing time for dialog and debate.

<http://www.aaas.org/news/concerns-about-non-reproducible-data-mount-some-solutions-take-shape>

<http://www.nature.com/news/journals-unite-for-reproducibility-1.16259>

<http://www.economist.com/news/briefing/21588057-scientists-think-science-self-correcting-alarming-degree-it-not-trouble>

(see **attachment** to this agenda for questions and additional references)

Break

Session II

10:30am-12:00pm

Bison Ballroom

Role of the Senior Research Officer in National Advocacy and Promotion of Research

Richard Marchase, Vice President for Research and Economic Development, University of Alabama, Birmingham; Chair, Council on Research

Sethuraman "Panch" Panchanathan, Senior Vice President, Office of Knowledge Enterprise Development, Arizona State University

Abby Benson, Associate Vice President for Government Relations, University of Colorado

Michael Frame, Director of Federal Relations, Florida State University

Following a brief framing of proposed practices for SRO's, there will be facilitated discussion on questions such as what are leading strategies? What are the various actions VPs are already doing? How do VPs work with their governmental affairs officers?

12:15-1:00pm

Bison Ballroom

Lunch

(Monday Continued)

1:20pm

Load buses to Natural History Museum of Utah and Red Butte Garden & Arboretum

1:30pm-6:45pm

Excursion and reception at the Natural History Museum of Utah and Red Butte Garden & Arboretum hosted by Utah universities

Evening

Dinner on own (with pre-reservations for 6-7 groups of 8, with sign-up sheets at registration, allowing attendees the choice to join a group easily, or go off on their own if they wish)

Tuesday, June 30

7:30-9:00am

Bison Room 6

Associate VPR/VCR Breakfast – Topic: *Leveraging Associate VPRs/VCRs for Success*

8:00-9:00am

Bison Ballroom

Breakfast

Session III

9:15-10:30am

Bison Ballroom

Advancement AND Research Collaborating to Advance the University's Mission

Tom McCoy, Vice President for Research and Economic Development, University of North Texas

David Shaw, Vice President, Research and Economic Development, Mississippi State University

Discuss the best practices for development/advancement today relative to philanthropy and sponsored research; parsing deliverables, indirect costs and gifts; the relationships between development/advancement leadership and VPRs; and what the Corporate perspective on dealing with advancement and Sponsored Programs is.

Speakers:

Michael Stevenson, Managing Principal, Bannack Group

[S. Imtiaz Ul Haque](#), Fellow ASME, Director for Strategic Initiatives and Global Engagement, College of Engineering and Science, Clemson University

John P. Rush, Vice President for Development and Alumni, Mississippi State University

Break

Session IV

10:45-11:45am

Bison Ballroom

Business Meeting (everyone welcome)

(Tuesday Continued)

Session V

12:00-2:00pm

Bison Ballroom

Lunch

[Roundtable Discussions \(over lunch\)](#)

Mark McLellan, Vice President for Research, Dean of the School of Graduate Studies, Utah State University

Promising Practices (compiled by survey of attendees in advance, discussions at assigned roundtables)

Session VI

2:15-4:00pm

Bison Ballroom

[Open/Public Access: Publications & Data – Potholes in the Road to Meeting New Federal Mandates](#)

Caroline Whitacre, Vice President for Research, The Ohio State University

Mark McLellan, Vice President for Research, Dean of the School of Graduate Studies, Utah State University

Speakers:

[Steven Daley-Laursen](#), Founding Director and Professor, Northwest Knowledge Network, University of Idaho

[Greg Tananbaum](#), Project Lead, Shared Access Research Ecosystem (SHARE), ScholarNext Consulting

A lot has happened since the OSTP memo of February 2013 requiring public access to the results of federally funded research. Funding agencies have wrestled with this new requirement for access to publications as well as data. The higher education community has stepped up with the help of APLU, AAU and ARL to develop a solution called SHARE. Other solutions have included expansion of PubMed Central at NIH, individual institutional repositories or a solution put forward by publishers called CHORUS. In this session, Greg Tananbaum will provide an update on SHARE and Steven Daley-Laursen will review the results of the recent USDA Task Force on Big Data and Public Data Access. Hear the latest developments with funding agency plans, progress on some campuses and get your questions answered.

Break

Session VII

4:15-6:00pm

Bison Ballroom

[Managing Conflicts of Interest in Research: Diving into Practices](#)

Kimberly Andrews Espy, Senior Vice President for Research, The University of Arizona

Andres Gil, Vice President for Research, Florida International University

Mark McLellan, Vice President for Research, Dean of the School of Graduate Studies, Utah State University

Gerald Sonnenfeld, Vice President for Research and Economic Development, The University of Rhode Island

(Tuesday Continued)

In this discussion session, we will review results of a survey of CoR meeting participants, as a springboard for identifying what practices our member universities are using to effectively (or not) manage conflicts of interest, and to broadly share “lessons learned” as colleagues.

Evening

Dinner as above on Monday

Wednesday, July 1

7:30-9:00am
Bison Room 6

Associate VPR/VCR Breakfast – Topic: *Identifying, Creating, and Celebrating Diversity in Research Institutions*

8:00-9:00am
Bison Ballroom

Breakfast

Session VIII

9:15-10:30am
Bison Ballroom

Lab Safety

Taylor Eighmy, Vice Chancellor for Research & Engagement, University of Tennessee, Knoxville

Mark McLellan, Vice President for Research, Dean of the School of Graduate Studies, Utah State University

The Task Force on Laboratory Safety will share a very early draft on their current thinking to improve the lab safety culture on campuses along with a proposed timeline for action. They will seek input from CoR on these early ideas, providing lots of time for discussion on concerns and suggested solutions. The Task Force will report on conversations held at the May 6-7 meeting in Washington, DC, with the US Chemical Safety and Hazards Board, National Academies, Oakridge National Lab, CDC, Eastman Chemical Company, AAHRPP, CSHEMA, and ABSA and in subsequent meetings with additional experts, national constituencies, and stakeholders. The task force will be meeting on Sunday, June 28 in Park City in advance of CoR sessions.

Break

Session IX

10:45am-12:00pm
Bison Ballroom

Social/Behavioral/Economic Sciences

Barbara Entwisle, Vice Chancellor for Research, University of North Carolina at Chapel Hill

Alicia Knoedler, Associate Vice President for Research, University of Oklahoma

(Wednesday Continued)

How to promote the importance of Social/Behavioral/Economic Sciences and engage them in interdisciplinary research.

ADJOURN @ NOON

ATTACHMENT – Reproducibility of Research Session

Key Questions: The following questions will be used to seed the discussion.

- To what extent do your faculty understand and appreciate the importance of reproducibility, the strong and increasing emphasis being placed upon it nationally, and the importance of making sure students in relevant disciplines understand the issue? What role might your office play in building this appreciation?
- To what extent might research misconduct be an important contributor to problems of irreproducibility if it occurs on your campus? What changes might be made to the Research Integrity Office that would lead to clear improvement in the reproducibility of results?
- To what extent is poor research design or improper analysis a potential contributor to irreproducibility on your campus? Does your campus offer centralized support or services for assisting faculty with research design, statistical analyses, data visualization, etc?
- To what extent is poor oversight and management of students, postdocs, and staff a potential contributor to irreproducibility? How do faculty on your campus acquire this expertise?
- There is a strong preference, on the part of journals, for researchers to report “significant” results. Because of the strong link between publication and success with federal grants, and because of the strong link between both and career advancement, faculty are at risk of interpreting and reporting on the results of their research in a biased way. This bias may be overt, but it may also be quite subtle. Has your university addressed this issue?
- What is the role of the senior research officer in ensuring research quality? What sort of training programs should be offered, and to whom? Should there be QA/QC beyond or in addition to peer review?
- Mandated open access policies for data, and in many cases computer code, may lead to new challenges in reproducibility, including substantial costs for re-doing analyses or experiments for which funding has ended. Has your institution given thought to this issue and how such work might be funded?
- Have you experienced situations on your campus where research results have been openly or quietly challenged owing to real or perceived irreproducibility? If so, what was the resolution?
- Congress is weighing in on reproducibility (e.g., the 2015 America COMPETES Act from the House Science, Space and Technology Committee), suggesting that it is rampant across all fields of science and engineering. How can we and COR be helpful in clarifying the issues and working with Congress on positive steps forward?

Other References: The following web sites involve new community initiatives on reproducibility as well as the NIH site on the same topic.

<http://validation.scienceexchange.com/#/> (reference on a new initiative)

<http://www.nih.gov/science/reproducibility/index.htm> (NIH materials and training)

https://www.nsf.gov/attachments/134722/public/Reproducibility_NSFPlanforOMB_Dec31_2014.pdf
(NSF Reproducibility Framework)

<https://osf.io/> (Open Science Framework, a portal for reproducibility experiments)