



COUNCIL ON RESEARCH (COR) AGENDA
APLU ANNUAL MEETING
Delivering the Future
JW Marriott | Indianapolis, IN
Sunday, November 15 – Tuesday, November 17

SUNDAY, NOVEMBER 15

6:30 – 8:15 a.m. GENERAL BREAKFAST

Level 3
JW Grand
Ballroom 5

8:30 – 10:00 a.m. SESSION I: Tackling Difficult Research Problems via Application of Transdisciplinary Methods

Level 1
Rooms
103-104

Many of today's most intellectually challenging and societally relevant problems do not reside fully within individual disciplines, but rather at the boundaries of multiple (sometimes many) disciplines. They cannot be effectively addressed by simply assembling teams of individuals from relevant disciplines who work side-by-side with a common understanding of the end goal, or even by individuals who have a few common skills. Rather, they require an even more challenging approach that involves researchers coming together and learning enough about each other's approaches so as to collectively devise entirely new integrative methodologies and even invent new science frameworks.

Moderator:

- **Kelvin Droegemeier**, Vice President for Research, University of Oklahoma, Immediate Past Chair, CoR

Panelists:

- **Katherine Bowman**, Sr. Program Officer, NAS, Kavli/NAS Convergence Summit
- **Nancy Cooke**, Professor and Program Chair, Arizona State University; Chair, committee for NRC report: *Enhancing the Effectiveness of Team Science* (2015)
- **Taylor Eighmy**, Vice Chancellor for Research & Engagement, University of Tennessee, Knoxville

10:00 – 10:30 a.m. BREAK

10:30 – 11:45 a.m. **SESSION II: Laboratory Safety**

*Level 1
Rooms
103-104*

The Task Force on Laboratory Safety recommends that APLU and AAU call upon all academic institutions to renew their commitment to improve the safety culture for all academic research, scholarship, and teaching. The Task Force, convened by CoR, and in coordination with AAU, ACS, COGR, and CGS, will present 20 additional recommendations drawn from reports from the National Academies, ACS, OSHA, and the US Chemical Safety and Hazards Board’s review of the Texas Tech accident in which a student was seriously injured. We will seek feedback from university leaders on these recommendations and a draft toolkit for implementation. We thank the following organizations for sharing their expertise: Oakridge National Lab, CDC, Eastman Chemical Company, AAHRPP, CSHEMA, ABSA, AAALAC, NACUBO, URMIA, NPA, CUR, CGS, NACUA, and FDP.

Introduction:

- **Kacy Redd**, Director of Science and Mathematics Education Policy, APLU

Panelists:

- **Taylor Eighthmy**, Vice Chancellor for Research & Engagement, University of Tennessee, Knoxville
- **Mark McLellan**, Vice President for Research and Dean of the School of Graduate Studies, Utah State University
- **Dawn Mason**, Portfolio and Special Projects Manager, Eastman Chemical Company
- **Ara Tahmassian**, Chief Research Compliance Officer, Harvard University

12:00 – 1:30 p.m. **COR EXECUTIVE COMMITTEE LUNCHEON MEETING**
(Executive Committee members only)

*Level 3
Room 308*

Chair: Richard B. Marchase, Vice President for Research and Economic Development, University of Alabama at Birmingham

1:45 – 3:00 p.m. **COLLABORATIVE SESSIONS (APLU-WIDE)**
(Choose One)

OPTION ONE: Dimensions of Diversity

*Level 1
White River
Ballroom E*

OPTION TWO: Zone of Knowledge: International Research Cooperation

*Level 1
White River
Ballrooms
G-J*

OPTION THREE: Building Effective Partnerships between Greek Organizations and Universities

*Level 1
White River
Ballroom F*

3:00 – 3:30 p.m.	BREAK	
3:30 – 4:45 p.m.	COLLABORATIVE SESSIONS (APLU-WIDE) (Choose One)	
	OPTION ONE: The NCAA: What Does Reform Look Like and How Do We Do It?	Level 1 White River Ballroom E
	OPTION TWO: The Project Degree Completion Award Finalists	Level 1 White River Ballrooms G-J
	OPTION THREE: University Responsiveness to Industry Workforce Needs	Level 1 White River Ballroom F
5:00 – 6:30 p.m.	KEYNOTE ADDRESS: This year's Keynote Session will include a special celebration of the 125th anniversary of the 1890 Morrill Act, led by Juliette Bell , President of the University of Maryland Eastern Shore. The keynote address will be delivered by Janet Napolitano , President of the University of California. She will discuss how public universities are <i>Delivering the Future</i> on education, research, and community engagement.	Level 3 JW Grand Ballrooms 5-6
6:30 – 8:00 p.m.	WELCOME RECEPTION	Level 3 JW Grand Ballrooms 1-4

MONDAY, NOVEMBER 16

7:00 – 8:00 a.m.	COR BUSINESS MEETING AND BREAKFAST <u>Chair:</u> Richard B. Marchase , Vice President for Research and Economic Development, University of Alabama at Birmingham	Level 3 JW Grand Ballroom 2
8:30 – 10:00 a.m.	SESSION III: Metrics for University Research, Technology, and Economic Development (Co-Convened with CGA, CSC, CICEP) Metrics have become increasingly important in all areas of higher education as we measure our progress against goals, but are particularly evident in the areas of research and economic development. At Virginia Tech, the CICEP metrics project has informed the development of institutional	Level 1 White River Ballroom F

economic development metrics, and the larger state effort to develop new indicators for innovation, entrepreneurship, and economic development. The CIC has collaborated on a new UMETRICS project to measure the output of research, particularly around economic indicators linked to census data and purchasing power. Elsevier has worked with the Council on State Governments on a recent effort to review America's knowledge economy state-by-state. Particularly interesting are the efforts in Europe to capture faculty research productivity linked to impact. This session will explore these recent efforts around metrics, with the goal of messaging the importance of universities as the economic drivers of the regions in which they are located.

Moderator:

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

Panelists:

- **Ann Gabriel**, Vice President, Academic and Research Relations, Elsevier
- **Jason Owen-Smith**, Executive Director, Institute for Research on Innovation & Science (IRIS), University of Michigan
- **John Provo**, Director, Office of Economic Development, Virginia Tech

10:00 – 10:45 a.m. **BREAK**

10:45 – 12:00 p.m. **SESSION IV: The Lincoln Project on Public Research Universities**
(Co-Convened with CAA, CEO,CGA, CSC, CICEP)

*Level 1
White River
Ballroom F*

Join a discussion of the preliminary ideas and recommendations of this independent committee of national leaders convened by the American Academy of Arts and Sciences. How do we express the increasing value of our institutions to society? Are there ways of garnering fresh national and state support for our work? Might we develop a compendium of practices used across institutions and states to promote universities?

Moderator:

- **Richard Stoddard**, Vice President for Government Relations and Special Assistant to the President, The Ohio State University

Panelists:

- **Mary Sue Coleman**, Co-Chair, Lincoln Project; President Emerita, University of Michigan
- **James Leach**, Member, Lincoln Project; Former Member, Congress; Former Director, NEH
- **Doug Lederman**, Editor, Inside Higher Ed
- **Bill Moreau**, Chair, Higher Education Practice Group, Barnes and Thornburg; Former Purdue Board of Trustees 4-Term Member

FINAL – November 6, 2015

12:15 – 1:30 p.m. **COUNCIL OF PRESIDENTS LUNCHEON AND KEYNOTE ADDRESS:**
(All Meeting Attendees Welcome)

Level 3
JW Grand
Ballroom 5

Speaker: Alan Alda, Actor, Writer, Visiting Professor, Stony Brook University

1:45 – 3:00 p.m. **PILLAR SESSIONS**

PILLAR B: Identifying and Solving Research Grand Challenges
(CoR recommended session)

Level 1
White River
Ballroom
G-J

What are several leading models of defining research grand challenges? Does this augur a change in how research is undertaken? Are there efficiencies and increased effectiveness in developing new models of institutional collaboration? How do universities benefit by defining research as societal and scientific challenges?

Moderator:

- **Jo Handelsman**, Associate Director for Science, Office of Science and Technology Policy, The White House

Panelists:

- **Chris Kaiser**, Former Provost, MIT
The Future Postponed
- **Fred Cate**, Vice President for Research, Indiana University
Indiana's Grand Challenges
- **Michelle Popowitz**, Assistant Vice Chancellor for Research, UCLA; Executive Director, UCLA Grand Challenges
UCLA's Grand Challenges

3:00 – 3:45 p.m. **BREAK**

3:45 – 5:00 p.m. **SESSION V: Research Promotion and Advocacy (Co-Convended with CGA, CSC)**

Level 1
White River
Ballroom
A-D

Demonstrating the positive impacts of research is an increasingly critical element in building and maintaining support for the university research enterprise. Coordinating this message and relevant outreach requires intentional collaboration across university administrative boundaries. How do we convey the opportunities and societal contributions of contemporary research to diverse targeted audiences, to garner necessary support? Are we maximizing the use of our considerable human and institutional resources to powerfully (and successfully) promote public support for research? This interactive session will use lightning-round audience participation to collect and compile crisp examples of successful practices of member institutions in four categories:

- o Messaging, stories, and press
- o Engaging local and state leaders, from government, industry and the

community

- o Research impacts and university metrics
- o Collaborative advocacy in Washington, D.C., before Congress and federal agencies

Lightning round audience discussion co- moderated by:

CoR: **Richard B. Marchase**, Vice President for Research and Economic Development, University of Alabama at Birmingham

CGA: **Michael R. Frame**, Director of Federal Relations, Florida State University

CSC: **Tom Milligan**, Vice President for External Relations, Colorado State University

5:15 – 6:30 p.m.

SESSION VI: Future University and Research Workforce (Co-Convened with CAA, CADE, USU)

*Level 1
White River
Ballroom
G-J*

The changing dynamics of research and development investments in the U.S. by government and the private sector, as well as financial challenges in higher education have produced rapid changes in career paths for the scientific workforce. Studies and reports have highlighted trends that indicate increasing numbers of doctoral-trained scientists that find it difficult to begin career paths in their chosen fields, with fewer opportunities for academic positions. These trends have increased the numbers of PhD-trained scientists moving into multi-year and multiple postdoctoral fellow positions. Furthermore, there continue to be challenges with lack of diversity in the doctoral-level scientific workforce. These trends have prompted the NIH and other federal agencies to encourage doctoral-granting institutions to provide additional training and career-development experiences to better equip students for various career options. This session will provide data and information from NIH efforts to better prepare PhD-trained scientists for the research workforce, and will present programmatic examples from successful programs to educate trainees and mentors about the wide range of career pathways in the scientific workforce. The session will also incorporate an interactive discussion with the audience from an initiative by the Coalition of Urban Serving Universities (USU)/Association of Public and Land-grant Universities (APLU) and the Association of American Medical Colleges (AAMC) to identify gaps in evidence for university interventions to increase the diversity of the biomedical research workforce.

Moderator:

- **Andres G. Gil**, Vice President for Research and Economic Development, Florida International University
- **Sethuraman “Panch” Panchanathan**, Senior Vice President of Knowledge Enterprise Development, Arizona State University

Panelists:

- **Joyce A. Lloyd**, Professor, Human Genetics; Director, Postbaccalaureate Research Education Program (PREP), Virginia

Commonwealth University

- **Ambika Mathur**, Associate Provost; Dean of the Graduate School,
Wayne State University

TUESDAY, NOVEMBER 17

8:00 – 9:00 a.m.	AWARDS AND GENERAL BREAKFAST Third Annual Institutional Awards Breakfast	<i>Level 3</i> <i>JW Grand</i> <i>Ballrooms</i> 5-6
9:00 – 10:45 a.m.	University Pitch Challenge	<i>Level 3</i> <i>JW Grand</i> <i>Ballrooms</i> 5-6
10:45 – 11:15 a.m.	Role of Foundations	<i>Level 3</i> <i>JW Grand</i> <i>Ballrooms</i> 5-6
11:15 – 11:30 a.m.	Pitch Challenge Winners	<i>Level 3</i> <i>JW Grand</i> <i>Ballrooms</i> 5-6