

When: June 2 or 9, 2014

Where: Richmond Hotel

Potential Agenda:

8:00 – 8:30 am: Continental Breakfast and Registration

8:30 – 8:35 am: Greetings and Introduction of Secretary of Education by SCHEV Chair

8:35 – 8:45 am: Remarks and Introduction of Governor by Secretary of Education

8:45 – 9:00 am: **Kickoff Address by Governor McAuliffe**

9:00 – 10:00 am: **Panel I: Analysis of the Current State of Academic Research in Virginia**

- Overview of funding for academic research in Virginia
- Virginia's national ranking in academic research
- Key stakeholders – federal and state – for promoting academic research
- Virginia's current efforts to support academic research

10:00 – 10:30 am: Morning Break and Networking

10:30 – 10:45 am: Remarks from Secretary of Commerce and Trade
Remarks from Secretary of Technology

10:45 – 11:45 am: **Panel II: Public/Private Partnerships**

- Profiles of successful models
- Input from private corporations on their research interests/requirements
- Input from federal government on their research interests/requirements

(** This panel may need to be broken into two.)

11:45 – 1:00 pm: Seated Luncheon

1:00 – 1:20 pm: Remarks

1:20 – 2:20 pm: **Panel III: Intellectual Property**

- Legislative history of IP
- Models of success from other states
- Discussion of IP policies in Virginia's colleges and universities

2:20 – 2:50 pm: Afternoon Break and Networking

2:50 – 3:50 pm: **Panel IV: Opportunities for Growth**

- Virginia's research strengths
- Practices to encourage public/private partnerships

3:50 – 4:20 pm: **Proposed Call to Action**

4:20 – 4:30 pm: Concluding Remarks from Joann DiGennaro

4:30 – 5:30 pm: Networking Reception

**NSF Survey of Research & Development Expenditures at Universities & Colleges
FY2012 Higher Education Research and Development (HERD) Survey**

Academic Institution (standardized)	Total R&D Expenditures in All Fields (in Thousands)
1 - Johns Hopkins University	\$2,106,185
2 - University of Michigan, All Campuses	\$1,328,726
3 - University of Wisconsin-Madison	\$1,169,779
4 - University of Washington - Seattle	\$1,115,138
5 - University of California-San Diego	\$1,073,864
6 - University of California-San Francisco	\$1,032,673
7 - Duke University	\$1,009,911
8 - University of California-Los Angeles	\$1,003,375
9 - Stanford University	\$903,238
10 - Columbia University in City of New York	\$889,487
11- University of North Carolina - Chapel Hill	\$884,791
12 - University of Pittsburgh, All Campuses	\$866,638
13 - University of Minnesota, All Campuses	\$847,703
14 - University of Pennsylvania	\$847,077
15 - University of Colorado, All Campuses	\$828,708
16 - Massachusetts Institute of Technology	\$824,130
17 - Pennsylvania State U, All Campuses	\$803,956
18 - Cornell University, All Campuses	\$802,387
19 - Harvard University	\$799,432
20 - Texas A&M University, All Campuses	\$776,254
21 - Ohio State University, All Campuses	\$766,513
22 - University of California-Berkeley	\$730,348
23 - University of California-Davis	\$713,292
24 - Washington University	\$706,410
25 - University of Florida	\$696,985
26 - Georgia Institute of Tech, All Campuses	\$688,905
27 - U of Texas MD Anderson Cancer Cntr	\$685,814

28 - Yale University	\$656,555
29 - Northwestern Univ	\$631,078
30 - Purdue University, All Campuses	\$627,486
31 - University of Arizona	\$625,365
32 - University of Southern California	\$623,544
33 - University of Texas at Austin	\$621,538
34 - U of Illinois at Urbana-Champaign	\$583,754
35 - Vanderbilt University	\$560,466
36 - Emory University	\$552,707
37 - Michigan State University	\$507,061
38 - Indiana University, All Campuses	\$502,619
39 - University of Maryland at College Park	\$502,406
40 - Baylor College of Medicine	\$474,700
41 - Rutgers - State U of NJ, All Campuses	\$473,508
42 - New York University	\$458,645
43 - Virginia Polytechnic Inst & State U	\$454,417
60 - University of Virginia, All Campuses	\$383,359
101 - Virginia Commonwealth University	\$201,366
142 - Old Dominion University	\$104,579
151 - George Mason University	\$90,198
188 - College of William and Mary	\$55,805
207- Eastern Virginia Medical School	\$37,745

Compiled from National Science Foundation (NSF) data available at:
<https://webcaspar.nsf.gov/index.jsp?subHeader=WebCASPARHome>

**NSF Survey of Research & Development Expenditures at Universities & Colleges
FY2012 Higher Education Research and Development (HERD) Survey**

State	Total R&D Expenditures in All Fields (in Thousands)
1 California	\$8,389,666
2 New York	\$5,361,113
3 Texas	\$4,651,322
4 Maryland	\$3,367,883
5 Pennsylvania	\$3,231,147
6 Massachusetts	\$3,212,502
7 North Carolina	\$2,682,081
8 Illinois	\$2,363,486
9 Michigan	\$2,235,689
10 Florida	\$2,184,114
11 Ohio	\$2,128,968
12 Georgia	\$1,865,603
13 Wisconsin	\$1,483,982
14 Washington	\$1,475,365
15 Virginia	\$1,379,440
16 Colorado	\$1,338,888
17 Indiana	\$1,306,462
18 New Jersey	\$1,114,527
19 Missouri	\$1,096,993
20 Arizona	\$1,039,424
21 Tennessee	\$1,025,283
22 Connecticut	\$946,826
23 Minnesota	\$864,938
24 Alabama	\$832,871
25 Oregon	\$722,421
26 Iowa	\$718,281

27 Louisiana	\$699,228
28 South Carolina	\$636,534
29 Utah	\$622,244
30 Kentucky	\$587,240
31 Kansas	\$527,122
32 D.C.	\$501,534
33 Rhode Island	\$493,428
34 Mississippi	\$476,078
35 Nebraska	\$438,302
36 Oklahoma	\$437,180
37 New Hampshire	\$415,691
38 New Mexico	\$400,952
39 Hawaii	\$335,704
40 Arkansas	\$289,364
41 North Dakota	\$215,642
42 Montana	\$196,721
43 West Virginia	\$196,318
44 Delaware	\$185,842
45 Alaska	\$181,983
46 Nevada	\$153,325
47 Puerto Rico	\$151,532
48 Idaho	\$146,326
49 South Dakota	\$129,200
50 Vermont	\$120,226
51 Maine	\$120,072
52 Wyoming	\$65,611
53 Virgin Islands	\$25,719
54 Guam	\$6,131

Compiled from National Science Foundation (NSF) data available at:
<https://webcaspar.nsf.gov/index.jsp?subHeader=WebCASPARHome>

Purpose: The summit will:

- (a) showcase the strengths, capabilities, and results of Virginia universities' academic research and development (R&D) assets and activities;
- (b) highlight current and potential opportunities for research-sponsoring entities to partner with and support Virginia academic R&D; and
- (c) issue a call to action for a long-term strategy for generating more translational research that advances Virginia's standing in academic R&D and produces more economic development for the Commonwealth.

State/Local Gov't Financed R&D Expenditures

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics,
Higher Education Research and Development (HERD) Survey, FY 2010 and FY 2012

	<u>FY 2010</u>	
State	Rank	\$ (in thousands)
Texas	1	\$622,516
California	2	\$378,165
New York	3	\$323,854
Florida	4	\$194,075
Ohio	5	\$164,984
North Carolina	6	\$148,419
Pennsylvania	7	\$143,619
Wisconsin	8	\$124,244
Virginia	9	\$116,480
Louisiana	10	\$108,812
National Total		@ \$3,853,000

	<u>FY 2012</u>	
State	Rank	\$ (in thousands)
Texas	1	\$726,823
California	2	\$440,027
New York	3	\$281,868
Florida	4	\$162,728
Virginia	5	\$129,302
Ohio	6	\$126,190
North Carolina	7	\$116,254
Pennsylvania	8	\$100,847
Louisiana	9	\$100,797
Wisconsin	10	\$93,194
National Total		@ \$3,704,000

Outreach and Social Media for SCHEV Academic Research Summit

Online Registration

- Create an online registration page for the event that will promote easy access for registration

Live Streaming

- Determine if technology is available and the logistical difficulty involved with live streaming the Summit
- Live streaming would allow for participation from college and university representatives far from Richmond and broaden the impact to those who may not be able to attend due to space limitations

Twitter Presence

- Have a designated individual handle promotion of the Summit on Twitter and monitor the live feed during the Summit
- Encourage remote participants to submit questions via Twitter and have the designated individual choose the most appropriate to be answered by a particular panelist

Public Comment Period

- On conclusion of the Summit, a designated entity should compile a summary of actions recommended by participants to promote academic research in Virginia
- An online forum should be utilized to post the summary and solicit feedback from stakeholders
- Have feedback from stakeholders incorporated into the final product emanating from the Summit