

# Report of the Research Committee Academic Senate 2015-16

Alexey A Petrov (Physics & Astronomy)



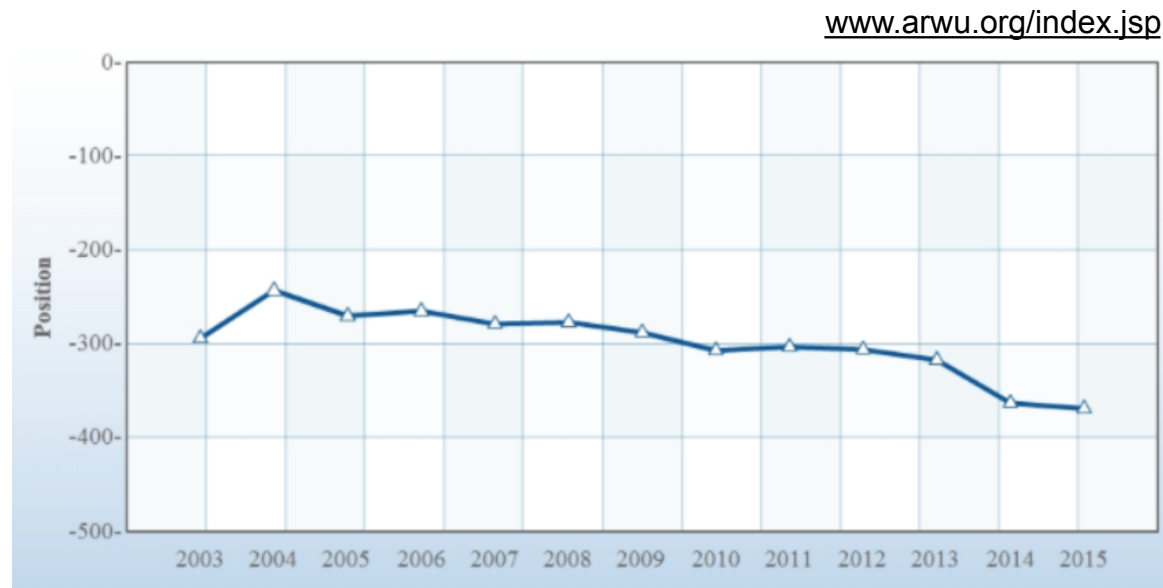
**Preliminary**  
**Report of the Research Committee**  
**Academic Senate 2015-16**

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# Motivation

- ★ 2012-14 decline in research output, as indicated, e.g. by sliding in research rankings



- ★ What is being done by the colleges to improve research performance?
- ★ What resources are available for WSU researchers to do so?

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### WAYNE STATE RANKED AMONG TOP IN WORLD FOR ACADEMIC QUALITY



One of the world's most comprehensive rankings of academic quality has classified Wayne State University as 67th in the United States and 225th worldwide.

## URAP ranking

Year	Int rank	US rank
2015-16	225	67
2014-15	221	67
2013-14	203	68
2012-13	194	67
2011-12	186	65
2010-11	172	64

★ What is being done by the colleges to improve research performance?

★ What resources are available for WSU researchers to do so?

# 2015-16 Research Committee actions

★ Invited Associate Deans for research of the most research-intensive colleges at WSU (indicated by research expenditures)

University Awards	FY 2010		2011		2012		2013		2014		2015	
S/C/I	Obligated	Count	Obligated	Count	Obligated	Count	Obligated	Count	Obligated	Count	Obligated	Count
College of Education	\$2,952,486	30	\$2,911,754	26	\$4,165,161	27	\$3,633,566	34	\$2,719,110	34	\$4,463,347	35
College of Engineering	\$15,299,540	106	\$18,458,198	108	\$18,505,971	91	\$11,491,549	106	\$13,669,158	100	\$12,605,980	93
College of Liberal Arts & Sc	\$19,255,042	114	\$21,684,212	118	\$16,497,202	115	\$15,455,521	97	\$16,103,749	106	\$21,124,216	107
College of Nursing	\$3,055,890	24	\$3,156,148	14	\$2,564,801	14	\$1,949,039	11	\$3,299,463	15	\$3,593,876	11
College of Social Work	\$102,001	5	\$1,200,191	13	\$720,015	7	\$936,631	8	\$917,624	7	\$760,456	11
Fine & Performing Arts	\$95,350	3	\$462,565	4	\$123,148	3	\$72,664	2	\$188,562	1	\$851,462	1
Graduate School	\$502,724	5	-\$69,304	4	\$9,264	1	\$410,271	2	\$413,485	3	\$1,200,353	3
Law School	\$684,235	5	\$410,560	4	\$100,000	1	\$100,000	1	\$834,710	5	\$775,000	2
Pharmacy & Health Science	\$3,183,544	25	\$3,393,323	24	\$4,494,881	36	\$4,972,734	36	\$4,003,946	38	\$4,871,394	38
Provost & VP Academic Aff	\$13,468,241	49	\$6,485,621	59	\$10,789,852	57	\$6,941,320	55	\$7,295,892	41	\$10,834,097	59
School of Business Admin	\$490,662	5	\$6,023	1	\$40,000	1			\$38,299	3	\$750,000	1
School of Medicine	\$117,491,178	672	\$123,787,799	696	\$118,914,508	649	\$97,269,172	639	\$94,471,462	593	\$116,923,561	627
University Libraries	\$25,000	1			\$415,876	3	\$526,327	3	\$5,000	1	\$23,932	7
Computing & Info Technology											\$163,938	1
University Grand Total	\$176,605,893	1044	\$181,887,090	1071	\$177,340,679	1005	\$143,758,794	994	\$143,960,460	947	\$178,941,612	996

- SOM: Vice Dean for Research Bonita Stanton (11/11/15)
- CLAS: Associate Dean for Research Peter Hoffmann (10/15/15)
- COE: Associate Dean for Research Simon Ng (2/16/16)
- CPHS: Associate Dean for Research Deepak Bhalla (3/9/16)

# 2015-16 Research Committee actions

- ★ Invited representatives of auxiliary WSU units to see what their units can do to support WSU research enterprise
  - Development Office: VP for Development Dr. Chacona Johnson (12/9/15)
  - Foundations Relations: Dr. Heidi Coates (2/10/16)
  
- ★ Expecting an overview talk on the state of WSU research enterprise and the status of iBio
  - invited VP for Research Steve Lanier (4/12/16)
  
- ★ Discussed WSU position in various research ranking
  - Presentation by Alexey A Petrov (11/11/15)

# Status of research enterprise

- ★ Each Associate Dean was asked to give a presentation and provide comments on the following
  - dynamics of research funding over the years in whole and department-by-department
  - comparisons to our peers at other universities
  - info on endowed Chairs and other research-related private gifts in College (if available)
  - measures taken to improve research output (faculty incentives, etc.)
  - needs (new research space/buildings, office space, Univ. incentives, etc.)

# Research expenditures/grants

S/C/I	2010		2011		2012		2013		2014		2015	
	Obligated	Count	Obligated	Count	Obligated	Count	Obligated	Count	Obligated	Count	Obligated	Count
	University Awards											
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★ It appears that, by and large, WSU returned to the 2010-levels of funding



# Research expenditures/grants

Department/College	Average 2012-14 Awards, \$
Oncology (SOM)	19,405,816
Pediatrics (SOM)	17,598,261
Internal Medicine (SOM)	10,326,973
Chemistry (CLAS)	6,394,927
Psychiatry (SOM)	5,996,796
Family Medicine (SOM)	3,742,961
Pharm Sci (CPHAS)	3,320,000 (*)
BioMedical Eng (COE)	3,562,438
Physics and Astronomy (CLAS)	2,530,715

- ★ A lot of funding \$\$\$ are generated by 3 departments in SOM/centers in SOM
- ★ COE/CLAS/CPHAS have Departments that generate funding at the level of other SOM departments

# Research incentive programs

- ★ Research incentive programs exist in each College
- ★ Values and methods of research stimulations vary significantly
  - COE (2012): a program that returns to the faculty member 20% of the portion of nine-month salary that is covered by a grant
  - COE (2016): another 30% of a portion of the salary to PI's R&D account
  - COE: \$500 for each publication in high impact journal (as set by indiv. dept.)
  
  - CPHAS: \$40,000 of internal **phased** research funding
  - CPHAS: 50% match for the WSU Research Awards
  - CPHAS: faculty awards for Excellence in Research
  
  - CLAS: grant writing support (workshops/mock panels/etc)
  - all colleges encourage collaborative proposals (e.g. CLAS/COE, etc.)
  - all colleges have internal research conferences for students and postdocs

# Private and foundations support for WSU research

# Ex. problem: endowed professorships

- ★ Compare some departments (easy to access info) to peers
  - only counted named professorships (no Dist. Prof. or Eminent Scholars)

	Chemistry	Physics
University of Pittsburgh	2	1
Temple University	6	4
University of Utah	8	1
University of Houston	8	6
University of Cincinnati	0	0
Wayne State University	1	0

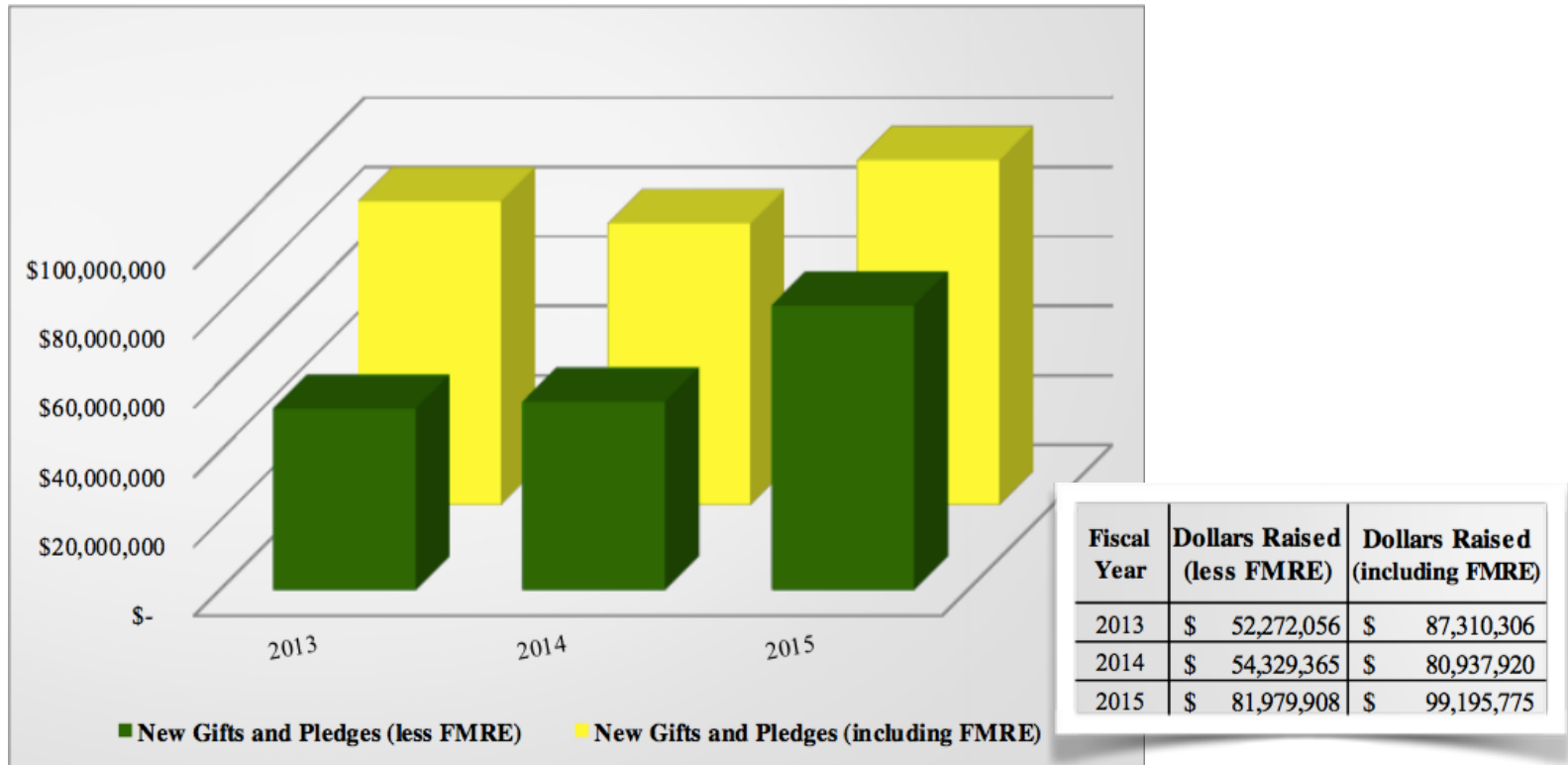
- ★ This is clearly an area where WSU should improve

# Findings

- ★ Each presenter was asked to give a presentation and provide comments on the following
  - dynamics of private gifts and donations to WSU in recent years
  - comparison of WSU and our peer institutions on
    - numbers of endowed Chairs
    - private funding for centers and institutes
    - research buildings
    - others

# Findings

★ Pivotal Moments: successful fundraising campaign (so far > \$0.5B)



★ Facilities fundraising: feasibility/lead gift of at least 50% of the goal  
 – E.g. iBio: \$1.3M raised to date (December)

# Endowed professorships

Summary of Endowed Chairs and Professorships by School/College/Division

School/College/Division	Value (\$Mil)	Count	PG Value (\$Mil)	PG Count
<b>College of Liberal Arts and Sciences</b>				
Endowed Chair(s)	\$ 9.5	7	\$ 2.0	1
<b>College of Education</b>				
Endowed Professorship(s)*	0.4	1		
<b>College of Fine, Performing and Communication Arts</b>				
Endowed Chair(s)**	7.6	4		
<b>College of Engineering</b>				
Endowed Chair(s)			2.0	1
Endowed Professorship(s)**	0.2	1		
<b>School of Medicine</b>				
Endowed Chair(s)	30.4	24	6.5	4
Endowed Professorship(s)	11.5	13	1.5	2
<b>Law School</b>				
Endowed Chair(s)	2.1	1	1.5	1
Visiting Professorship(s)	0.5	1		
<b>College of Nursing</b>				
Endowed Professorship(s)	1.9	2	1.55	1
<b>Mike Ilitch School of Business</b>				
Endowed Chair(s)	7.2	3		
Endowed Professorship(s)**	0.9	2		
<b>Office of the VP for Academic Affairs/Provost</b>				
Endowed Chair(s)	1.8	1		
<b>Totals</b>	<b>\$ 74</b>	<b>59</b>	<b>\$ 15.05</b>	<b>10</b>

- ★ Was **not** a goal of previous fundraising campaigns: historically low
- ★ Some available Endowed Professorships are not filled

# Foundations Relations

## Our Mission

We secure philanthropic funds from private foundations in support of Wayne State's strategic plan. Our goal is to provide exceptional services to faculty members by making the private foundation proposal process more efficient and effective.

**We are here to support your work.**



# Foundations Relations

- ★ Foundation Relations office has a lot to offer fro WSU researchers
- ★ ... but for some reason their information is well hidden

The screenshot shows the Pivotal Moments website. The header includes the logo 'Pivotal Moments' and the tagline 'OUR CAMPAIGN FOR WAYNE STATE UNIVERSITY'. Navigation links include 'Our Campaign', 'Ways to Give', 'Our Supporters', and 'FAQs'. The main content area is titled 'FOUNDATION GIFTS' and contains the text: 'Local and national foundations support a wide variety of funding priorities across Wayne State, including research, academic programs, community outreach and other initiatives that help make the university a premier institution of higher learning and research, as well'. Below this text, the URL <http://pivotalmoments.wayne.edu/give/foundation.php> is displayed in a red rounded rectangle. To the left, under the heading 'WAYS TO GIVE', there is a list of gift types: Annual Gifts, Endowed Gifts, Planned Gifts, Corporate Gifts, and Foundation Gifts. At the bottom of the page, there is a line of text: 'a university with very high research activity, a classification shared by less than 3.5 percent of universities nationwide.'

- ★ FR distributes monthly list of “funding requests” from private foundations
- ★ ... but for some reason this information is not available for all researchers

# Foundations Relations

## FOUNDATION RELATIONS

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# Recommendations

- ★ Increase information sharing among Colleges on faculty incentives
- ★ Work with OVPR on increasing the share on non-medical related internal award solicitations
  
- ★ Increase publicity of Foundation Relations office
  - help to provide easy access to their website
  - put all faculty on their mailing list
  - invite Foundations Relations Office for an Academic Senate presentation

Other recommendations  
and  
ideas from the audience are welcome!