

## **Report from the Select Committee on Research Initiatives at Wright State**

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# **Report from the Select Committee on Research Initiatives at Wright State**

## **Introduction**

The Select Committee on Research Initiatives at Wright State was charged in December of 2015 to inquire into the status, funding, and oversight of past and present research initiatives undertaken under the auspices of the university and under the oversight of the Office of the Vice President for Research. This included the management and direction of the Wright State Research Institute (WSRI) and the relationship of Wright State University (WSU) to entities such as Wright State Applied Research Corporation (WSARC), among others.

The committee was co-chaired by Dr. Brian Boyd (CEHS) and Dr. Doug Petkie (COSM). Committee members included Dr. Caroline Cao (CECS), Dr. Fred Garber (CECS), Dr. Lisa Kenyon (COSM), and Dr. David Mirkin (BSOM). The committee met with the Vice President for Research (VPR), Dr. Fyffe, five times. Each meeting lasted approximately two hours: January 8 (8:00-10:00), January 19 (1:30-3:30), February 1 (1:00-3:00) March 8 (1:00-2:30), and March 15 (1:00-2:30). For the last two meetings in March, Mr. Dennis Andersh, Executive Director of WSRI and CEO of WSARC, attended and participated as well. The discussions led down many paths that related to WSRI, WSARC, and other entities reporting to Dr. Fyffe.

The report that follows lists a set of recommendations from the committee, followed by a more detailed description of each recommendation. The report also summarizes what the committee learned from the meetings with Dr. Fyffe and Mr. Andersh, especially those items related to research initiatives connected to the WSRI, WSARC and the focus of the Office of the VPR. This summary is organized by themes that emerged from the discussions and other documents provided by Dr. Fyffe (these documents are also attached to this report).

## **Summary Recommendations**

1. Wright State University should have an external 360° review of the Office of the VP for Research (VPR), and relevant WSU affiliated organizations, such as WSARC, including their operations and roles with respect to best-practices.
2. The Faculty Senate, in coordination with the VPR and under the auspices of the Quadrennial Review, should examine the purpose and function of the Research Council, and consider restructuring both the composition and charge of the Council.
3. The Faculty Senate should advocate for Faculty to play an appropriate role on the various advisory boards and committees related to WSRI and WSARC.
4. The Faculty Senate and the VPR must continue to increase the transparency and accountability of grant proposals and award classifications (RSP v WSRI v WSARC).
5. Financial information should be disclosed to the Faculty Senate regarding WSRI, WSARC, and other entities with a financial connection to the University.
6. The hiring of all WSU employees, including those who work on behalf of WSRI and WSARC, will follow all Wright Way policies and procedures.
7. The VPR and central administration, in coordination with faculty who see the benefits of WSRI/WSARC, should formally present data and information to help justify the significant investment made by the University.
8. The Office of the VP for Research should make the opportunity meetings, which have been initiated by WSRI personnel and others under the VPR, more widely advertised and inclusive.

## **Expanded Recommendations**

The Select Committee on Research Initiatives at WSU offers the following recommendations.

1. Wright State University should have an external 360° review of the Office of the VP for Research (VPR), and relevant WSU affiliated organizations, such as WSARC, including their operations and roles with respect to best-practices. The review should be similar in charge and scope to the 360° Review of Information Technology (AY2012-13) & the International Services External Review (AY2015-16). While the work of this Special Committee has shed light on various workings between the Office of the VPR, WSRI, WSARC, and other entities within and affiliated with the university, and while the restructure of the Office of the VPR, WSRI, and WSARC has addressed some issues, it is unclear that the current configuration and practices are in the best interest of, or consistent with, the mission of Wright State University. The connections and operations are very complex and a 360 review would provide expert, impartial insight and direction for future research initiatives at Wright State University. This review would also inform many of the other recommendations below.
2. The Faculty Senate, in coordination with the VPR and under the auspices of the Quadrennial Review, should examine the purpose and function of the Research Council, and consider restructuring both the composition and charge of the Council. Some questions and issues that should be considered include:
  - How can a restructured Research Council most effectively address constituency interests and motivations of the faculty and students across the entire Wright State University Campus?
  - The restructure should also include promoting better participation among all members of the Council and having the VP for Research function as only one of many voices on the Council.
  - To what extent should the Council advise on, and disseminate initiatives of, The Office of the VPR, WSRI, and WSARC? If WSRI and others in the Office of the VP for Research are charged with bringing together groups of faculty and engaging in the work of applied research, then they (WSRI directors, chief science officers, etc.) should engage with and report to the Research Council in their activities, upcoming opportunities, and results.
  - How should the Research Council overlap, interact with, or be distinct from the proposed advisory committees for WSRI/WSARC (currently listed as a Scientific Advisory Committee and Executive Advisory Committee), and what role should faculty play in these advisory committees?
  - What is the effective Research Council oversight mechanism for items related to research at the University, including policy, compliance, graduate student tuition waivers, Facilities and Administrative (F&A) percentages, Intellectual Property (IP), incentives, and selection of limited-submission proposals?
  - The Research Council should advocate for the budgeting of Faculty startup and retention packages, as well as strategic research initiatives and support of core facilities.

3. The Faculty Senate should advocate for Faculty to play an appropriate role on the various advisory boards and committees related to WSRI and WSARC. The issues to consider include the following:
  - Clarify the roles and memberships of the Scientific Advisory Board and Executive Advisory Board.
  - Faculty input on all limited-submission solicitation decisions. (This may also become a function of a Research Council sub-committee.)
  - Significant Faculty input on the Go/No go committee. This committee is charged with deciding whether a specific proposal will go forward, and where the subsequent award will land: Will it flow through WSARC, or through RSP. Our recommendation with respect to this committee are two-fold:
    - In addition to the PI and others set by the VPR, at least one additional Faculty member should serve on this committee.
    - An additional category ought to be included besides having an award go through RSP or WSARC. The third category should be the award going through WSRI, since awards through WSRI have F&A awarded directly to support WSRI infrastructure.
4. The Faculty Senate and the VPR must continue to increase the transparency and accountability of grant proposals and award classifications (RSP v WSRI v WSARC).

A strategy should be developed and communicated to help balance competing/conflicting interests for research opportunities and state investments between WSU faculty and WSRI personnel. This creates significant consequences for a shell game (one college loses, WSRI wins), and there seem to have been “sweet deals” and “kick backs” to faculty who run grants through WSRI.

On the proposal side, direct and indirect competition still seems to exist between WSRI and WSU faculty. Direct competition is when a faculty PI and a WSRI researcher respond separately to a call for proposal. Indirect competition is when a WSU faculty teams with an external group (e.g., Booze Allen Hamilton) and unknowingly competes with a WSRI researcher for a grant opportunity.

On the award side, WSRI personnel have some incentives NOT to include faculty in grants, since F&A on grants through WSRI are awarded directly to support WSRI. If WSRI employees' salaries and benefits are justified by the F&A that comes directly back to WSRI, then there may be motivation NOT to include faculty in proposals (as F&A would then go to the VPR and central administration instead of to WSRI).

A further question with regards to this recommendation is does WSU need WSRI personnel to exist outside of the academic units on campus. Should current/new WSRI employees exist under some of the colleges that already have faculty that participate in applied research opportunities? Would this be a better structure to (1) continue to have personnel dedicated to enhancing WSU's applied research capabilities and (2) prevent the competition and competing interest that have evolved over the existence of WSRI/WSARC?

5. Financial information should be disclosed to the Faculty Senate regarding WSRI, WSARC, and other entities with a financial connection to the University. WSU has made an investment of resources to these entities' success, and Faculty and others at the University should understand the details of that investment. Some specific details to be included are as follows.
  - Annual presentation to the Senate's Budget Priorities Committee of detailed budgets of WSRI, WSARC, ADVRATECH, DaytaOhio holdings, and all other units currently listed on the organizational chart of WSRI/WSARC. These presentations and financial information should shed light on which affiliates are having a net financial loss or win for the University.
  - The VPR and other central administrations should establish timelines for WSRI/WSARC, etc. to provide positive cash flow into WSU, including all personnel and facility costs.
  - Salaries for WSRI/WSARC personnel should be brought in line with WSU norms for faculty and market influences
6. The hiring of all WSU employees, including those who work on behalf of WSRI and WSARC, will follow all Wright Way policies and procedures. While the "named in grant" procedure seems to have been reigned in, there are still indications that at least one recent posting is still in conflict with Wright Way Policy. These policies have been adopted and need to be followed consistently across all units at the University. If policies need to be changed to help WSU accomplish its mission and vision, then changes should be initiated through established processes instead of violating existing policies. In addition, further questions and comments regarding the hiring practices related to the Office of the VPR, WSRI, and WSARC include the following:
  - Do all positions related to the Office of the VPR, WSRI, and WSARC go through the strategic hiring process?
  - Do search committees for these positions include Faculty members?
  - Do search committees for these positions receive training from the Office of Equity and Inclusion and do they include Equity Fellows in the interview process?
7. The VPR and central administration, in coordination with faculty who see the benefits of WSRI/WSARC, should formally present data and information to help justify the significant investment made by the University. If WSRI/WSARC is to continue to exist, it must demonstrate significant benefits to students and faculty in alignment with the University Mission, and must demonstrate advantages available to all interested faculty in enhancing their research access, administration, diversity, and productivity.
8. The Office of the VP for Research should make the opportunity meetings, which have been initiated by WSRI personnel and others under the VPR, more widely advertised and inclusive. While some of the communication of these events can run through the current (and/or revised) Research Council, there are other ways to communicate with faculty about these meetings, as well as follow up with notes summarizing the upcoming opportunities and existing activities. Mr. Andersh shared that he now has access to faculty emails/listserves and intends to use these to more widely communicate about these opportunity meetings.

## **Additional Information from our Meeting**

### **History of WSRI, WSARC**

- WSRI and WSARC were initially created to do work in applied research (v basic research) and to provide funding agencies (gov't, industry, etc.) with a one-stop shop for applied research and project management. Consequently, WSARC utilizes a more complex accounting system to manage large government contracts that would be well beyond the normal practices for grant management at WSU within RSP.
- Over time there have been three categories of activities within WSRI: research transition (self-supporting applied research), research services (F&A-supported pre and post award, and HR services with overlap and duplication of similar University services), and research development (a cluster of directors with interests in the top-line and sometimes the bottom-line). There has been a recent reduction in the development personnel as some contracts end, and do more in the applied research category. Research service work is likely to continue. The role and benefit of research development remains unclear.
- WSRI/WSARC/WSU has created and/or become associated with a number of affiliated units such as the Advance Technical Intelligence Center (ATIC). Both the full cost of these investments and the return on those investments are not clear.
- Competitions for solicitations at WSRI/WSARC vs faculty, as well as previous personnel with WSRI/WSARC, have created animosity between faculty in other units on campus and WSRI.
- Assurances have been given that current personnel are focused on bringing together groups of faculty and engaging them in the work. A couple of examples of such personnel/initiatives were discussed:
  - A Naval Contract was recently won by WSRI with support/connections from WSRI's Chief Science Officer, Tim Broderick; While WSRI led on the proposal, the research will be conducted by faculty in CECS and BSOM
  - The Director of Research Development, Jason Parker, is also focused on getting groups of faculty together to submit grants, as well as pursue his own research interests. Dr. Parker is not with WSRI, but currently works directly for Dr. Fyffe.

### **Relationships between WSARC, WSRI, and WSU**

- WSARC is a separate 501c(3). It is there to help us with BAA and other government based contracts that need a funding mechanism.
- WSRI is part of WSU. All employees of WSRI are employees of WSU
- As its own non-profit, 501c(3), WSARC is better capable of handling certain contracts. For example, some grants that exceed \$5 million require hourly reporting of work verses effort reporting. WSARC has systems in place to do this better than ones in place through RSP.
- An affiliation agreement is being written (many drafts, going through legal counsels) between WSU and WSARC. One did not exist previously. This agreement will be established once the University establishes clear guidelines agreements with all affiliates of WSU.
- Grants and contracts: In the past there were some unclear distinctions between grants established as a "win" for WSARC and ones that came through WSU and RSP. Moving forward, the default is that applied research grants will be run through WSU/RSP. In the case that a grant makes sense to go through WSARC, if a faculty member is involved in the

grant work, a sub-contract will be established from WSARC to WSU that includes full F&A costs.

### **Hiring policies and practices for WSRI**

- “Named in grant” was being abused as a process for hiring employees at WSRI, and avoided some hiring policies that should have been followed when hiring through WSU. That practice is no longer being used, unless someone is legitimately “named in grant” in a grant proposal.
- Some roles at WSRI/WSARC were filled/created to move WSU employees out of certain units on campus. These and other positions through WSRI are being “cleaned up.” WSRI has cut about \$2.5 million in personnel cost since the re-organization in the summer of 2015.

### **Research at WSU**

- Dr. Fyffe shared (in January) that  $\frac{3}{4}$  of faculty have not applied for a grant in the last 1.5 years
- Dr. Fyffe feels that WSRI and other resources through his office are able to help connect faculty to grant and research opportunities. He feels that more faculty should be engaged in significant grants and research and would like to see more faculty take advantage of the supports offered through the university.
- Research Council – these representatives need to be engaged and communicating back to faculty in their respective colleges about the work being done with respect to research at WSU.
- As the VPR, Dr. Fyffe is budgeted about 700K annually from F&A generated by awards. This amount has remained essentially constant over the last five years, regardless of the amount of F&A dollars generated. Any additional F&A is absorbed by the central administration. Dr. Fyffe re-distributes the 700K in formulaic manner to the colleges based on the amount of research dollars each college procured.
- The discussion with Dr. Fyffe identified a need to have better startup and retention packages for faculty. The committee and Dr. Fyffe recognize the negative impact and long recovery period when losing productive faculty.

### **Other Comments and Questions**

- It is still unclear still how ATIC, WSARC, DaytaOhio, ADVRATECH, Wright Brothers Institute, ADP, STEM Collaborative, etc. fit within the Office of Research and/or WSRI. How is it decided that these positions are worth their investment or if current WSU faculty could play a role? In colleges, faculty have course loads and requirements for service and scholarship. What measures are used for these positions related to performance and funding? For faculty, if courses have students, then we can see a need. What about these positions?
- Is there significant duplication of services or efforts between WSU/WSARC/WSRI that would be more effective if integrated into the existing units, such as Technology Transfer?
- Is there an underutilization of faculty expertise in WSARC/WSRI endeavors? For example, Dr. Fyffe has asked for better participation of the Research Council and the Associate Deans of Research in colleges. Instead of standing up a new unit (WSRI) could money be dedicated instead to pay part of Associate Deans for Research salaries to provide



expectations of partially working with WSARC. This could also include modest stipends if it adds to their loads. This would save WSU funds in two ways: 1) cover our base salaries to support WSARC activities in a meaningful way and 2) reduce the staff and salaries of WSARC/WSRI employee that we have to keep forgiving and going into further debt.

### **Attachments**

1. The five-year sponsored programs expenditure data.
2. Research expenditure data for the current year compared to same period last year.
3. Files with 5-year Award data and F&A recovery data.
4. The five-year proposals and award by College and Sponsor.
5. The organizational chart for the Office of Research.
6. Information on the Pipeline meetings, and also on the Faculty Speaker Series run by personnel at WSRI.
7. Slides from a WSRI Briefing presented to various constituency groups. This includes the organizational chart for WSRI and WSARC.
8. Slides from a Federal Research Network (FRN) presentation discussed with various constituency groups. Both items 7 and 8 were presentations that Mr. Andersh and Dr. Fyffe have given to various constituency groups.
9. Charge of the Select Committee on Research Initiatives at Wright State.

### **Documents still needed**

- The most recent draft of the Affiliation Agreement between WSU and WSARC. We note that during this committee's work, a University Policy on Affiliated Entities was being developed. Once completed, this will allow the Affiliation Agreement between WSU and WSARC to be completed and may address and/or resolve several of the recommendations made in this report.
- The Operating Procedures for WSARC.

# 1. The five-year sponsored programs expenditure data

## Wright State University Grant Expenditures - Summary by College\* 5 Year Comparison as of June Final FY11 - FY15

College/Unit	FY11	FY12	FY13	FY14	FY15	5 Year Increase/(Decrease)	% Inc/(Dec)	CAGR**
BSOM	\$ 18,538,056.54	\$ 16,061,622.28	\$ 14,341,601.65	\$ 13,444,959.20	\$ 13,179,913.64	\$ (5,358,142.90)	-28.9%	-8.2%
CECS	7,761,275.65	6,824,337.66	6,117,544.68	5,979,624.75	5,337,094.42	(2,424,181.23)	-31.2%	-8.9%
CEHS	2,070,714.74	2,412,905.73	2,871,094.16	3,015,047.39	3,273,183.15	1,202,468.41	58.1%	12.1%
COLA	1,209,161.78	586,354.78	810,853.64	605,133.17	581,783.24	(627,378.54)	-51.9%	-16.7%
CONH	541,729.61	296,261.46	697,584.34	734,079.88	281,944.04	(259,785.57)	-48.0%	-15.1%
COSM	7,614,118.80	7,266,891.74	7,219,290.28	5,835,989.44	5,494,376.25	(2,119,742.55)	-27.8%	-7.8%
RSCB	512,329.37	496,227.19	440,441.51	481,820.68	427,698.87	(84,630.50)	-16.5%	-4.4%
SOPP	667,314.40	472,882.95	485,798.57	390,443.93	352,593.99	(314,720.41)	-47.2%	-14.7%
VPRG	6,251,980.98	11,418,277.97	10,792,235.41	487,381.26	258,313.30	(5,993,667.68)	-95.9%	-54.9%
Other	45,373,701.56	29,967,939.43	29,463,465.59	26,419,944.60	26,020,845.10	(19,352,856.46)	-42.7%	-13.0%
Total Main	\$ 72,002,326.89	\$ 59,742,078.91	\$ 58,898,308.18	\$ 43,949,465.10	\$ 42,027,832.36	\$ (29,974,494.53)	-41.6%	-12.6%
Lake	\$ 685,530.47	\$ 137,823.32	\$ 82,617.57	\$ 303,261.62	\$ 97,825.78	\$ (587,704.69)	-85.7%	-38.5%
WSRI	\$ 6,385,390.09	\$ 7,822,955.65	\$ 9,418,558.85	\$ 10,889,897.64	\$ 7,615,794.28	\$ 1,230,404.19	19.3%	4.5%
Total Grant Expenditures	\$ 97,611,303.99	\$ 83,764,480.16	\$ 82,741,086.25	\$ 68,587,583.56	\$ 62,921,366.06	\$ (34,689,937.93)	-35.5%	-10.4%

\* Expenditures on RSP Counted Awards Only

\*\* Compounded Average Growth Rate

## 2. Research expenditure data for the current year compared to same period last year.

**Wright State University**  
**Grant Research Expenditures - Summary by College\***  
**5 Year Comparison as of June Final**  
**FY11 - FY15**

College/Unit	FY11	FY12	FY13	FY14	FY15	5 Year Increase/(Decrease)	% Inc/(Dec)	CAGR**
BSOM	\$ 13,330,482.40	\$ 11,219,448.01	\$ 9,374,620.83	\$ 8,340,641.78	\$ 7,482,675.74	\$ (5,847,806.66)	-43.9%	-13.4%
CECS	7,134,274.18	6,459,712.75	5,438,666.31	5,192,938.16	4,729,617.34	(2,404,656.84)	-33.7%	-9.8%
CEHS	203,668.56	68,811.65	341,497.46	320,652.56	125,007.52	(78,661.04)	-38.6%	-11.5%
COLA	58,153.46	2,358.73	151,199.97	24,388.20	14,330.55	(43,822.91)	-75.4%	-29.5%
CONH	77,170.97	25,509.86	3,395.14	4,776.05	198,670.53	121,499.56	157.4%	26.7%
COSM	5,986,008.15	5,769,809.12	6,052,937.49	5,302,023.52	5,191,994.23	(794,013.92)	-13.3%	-3.5%
RSCB	139,304.82	87,543.10	11,691.27	-	12,600.00	(126,704.82)	-91.0%	-45.2%
SOPP	169,961.66	92,437.39	117,251.50	80,922.78	66,000.53	(103,961.13)	-61.2%	-21.1%
VPRG	145,598.73	154,322.12	117,125.31	185,360.26	236,063.24	90,464.51	62.1%	12.8%
Other	-	1,060.00	-	-	-	-		
Total Main	\$ 13,914,140.53	\$ 12,661,564.72	\$ 12,233,764.45	\$ 11,111,061.53	\$ 10,574,283.94	\$ (3,339,856.59)	-24.0%	-6.6%
Lake	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
WSRI	\$ 4,995,619.88	\$ 6,136,183.79	\$ 8,388,244.82	\$ 9,502,325.77	\$ 6,974,033.45	\$ 1,978,413.57	39.6%	8.7%
Total Grant Expenditures	\$ 32,240,242.81	\$ 30,017,196.52	\$ 29,996,630.10	\$ 28,954,029.08	\$ 25,030,993.13	\$ (7,209,249.68)	-22.4%	-6.1%

\* Expenditures on RSP Counted Awards Only

\*\* Compounded Average Growth Rate

### 3. Files with 5-year Award data and F&A recovery data.

**Wright State University**  
**Sponsored Program Expenditures - Summary by College**  
**5 Year Comparison as of June Final**  
**FY11 - FY15**

College/Unit	FY11	FY12	FY13	FY14	FY15	5 Year Increase/(Decrease)	% Inc/(Dec)
BSOM	\$ 18,538,056.54	\$ 16,061,622.28	\$ 14,341,601.65	\$ 13,444,959.20	\$ 13,179,913.64	\$ (5,358,142.90)	-28.9%
CECS	7,761,275.65	6,824,337.66	6,117,544.68	5,979,624.75	5,337,094.42	(2,424,181.23)	-31.2%
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Total Main	\$ 72,002,326.89	\$ 59,742,078.91	\$ 58,898,308.18	\$ 43,949,465.10	\$ 42,027,832.36	\$ (29,974,494.53)	-41.6%
Lake	\$ 685,530.47	\$ 137,823.32	\$ 82,617.57	\$ 303,261.62	\$ 97,825.78	\$ (587,704.69)	-85.7%
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Total Grant Expenditures	\$ 97,611,303.99	\$ 83,764,480.16	\$ 82,741,086.25	\$ 68,587,583.56	\$ 62,921,366.06	\$ (34,689,937.93)	-35.5%

**Wright State University**  
**F&A Expenditures - Summary by College**  
**5 Year Comparison as of June Final**  
**FY2011 - FY2015**

College/Unit	FY11	FY12	FY13	FY14	FY15	5 Year Increase/(Decrease)	% Inc/(Dec)
BSOM	\$ 3,366,776.45	\$ 2,874,621.76	\$ 2,600,205.60	\$ 2,253,203.10	\$ 2,485,639.52	\$ (881,136.93)	-26.2%
CECS	1,623,654.36	1,337,249.12	1,358,279.52	1,166,029.52	1,224,388.75	(399,265.61)	-24.6%
CEHS	29,056.97	17,168.88	56,362.78	52,853.04	24,007.86	(5,049.11)	-17.4%
COLA	106,942.34	61,570.74	92,286.71	67,856.76	57,833.66	(49,108.68)	-45.9%
CONH	11,893.03	-	2,864.56	3,945.98	51,975.96	40,082.93	337.0%
COSM	1,481,894.78	1,530,440.68	1,631,256.53	1,329,446.77	1,308,309.30	(173,585.48)	-11.7%
RSCB	45,772.49	24,532.03	15,238.27	8,584.84	10,451.86	(35,320.63)	-77.2%
SOPP	39,232.61	29,167.58	24,742.06	19,609.52	16,854.91	(22,377.70)	-57.0%
VPRG	17,752.58	55,068.37	61,274.16	82,114.57	76,984.16	59,231.58	333.7%
Other	117,274.43	166,604.44	178,032.65	205,238.54	175,132.18	57,857.75	49.3%
Total Main	\$ 3,473,473.59	\$ 3,221,801.84	\$ 3,420,337.24	\$ 2,935,679.54	\$ 2,945,938.64	\$ (527,534.95)	-15.2%
Lake	\$ 44,667.09	\$ 6,172.28	\$ 271.96	\$ 17,260.91	\$ (0.01)	\$ (44,667.10)	-100.0%
WSRI	\$ 1,173,246.85	\$ 1,384,601.60	\$ 1,364,048.95	\$ 1,231,808.83	\$ 1,695,767.90	\$ 522,521.05	44.5%
<b>Total F&amp;A Expenditures</b>	<b>\$ 8,058,163.98</b>	<b>\$ 7,487,197.48</b>	<b>\$ 7,384,863.75</b>	<b>\$ 6,437,952.38</b>	<b>\$ 7,127,346.05</b>	<b>\$ (930,817.93)</b>	-11.6%
<b>% F&amp;A recovery</b>	<b>9%</b>	<b>10%</b>	<b>10%</b>	<b>10%</b>	<b>13%</b>		

Percent of F&A recovered based on direct expenditures (see below)

**Wright State University**  
**Direct Expenditures - Summary by College**  
**5 Year Comparison as of June Final**  
**FY2011 - FY2015**

College/Unit	FY11	FY12	FY13	FY14	FY15	5 Year Increase/(Decrease)	% Inc/(Dec)
BSOM	\$ 15,171,280.09	\$ 13,187,000.52	\$ 11,741,396.05	\$ 11,191,756.10	\$ 10,694,274.12	\$ (4,477,005.97)	-29.5%
CECS	6,137,621.29	5,487,088.54	4,759,265.16	4,813,595.23	4,112,705.67	(2,024,915.62)	-33.0%
CEHS	2,041,657.77	2,395,736.85	2,814,731.38	2,962,194.35	3,249,175.29	1,207,517.52	59.1%
COLA	1,102,219.44	524,784.04	718,566.93	537,276.41	523,949.58	(578,269.86)	-52.5%
CONH	529,836.58	296,261.46	694,719.78	730,133.90	229,968.08	(299,868.50)	-56.6%
COSM	6,132,224.02	5,736,451.06	5,588,033.75	4,506,542.67	4,186,066.95	(1,946,157.07)	-31.7%
RSCB	466,556.88	471,695.16	425,203.24	473,235.84	417,247.01	(49,309.87)	-10.6%
SOPP	628,081.79	443,715.37	461,056.51	370,834.41	335,739.08	(292,342.71)	-46.5%
VPRG	6,234,228.40	11,363,209.60	10,730,961.25	405,266.69	181,329.14	(6,052,899.26)	-97.1%
Other	45,256,427.13	29,801,334.99	29,285,432.94	26,214,706.06	25,845,712.92	(19,410,714.21)	-42.9%
Total Main	\$ 68,528,853.30	\$ 56,520,277.07	\$ 55,477,970.94	\$ 41,013,785.56	\$ 39,081,893.72	\$ (29,446,959.58)	-43.0%
Lake	\$ 640,863.38	\$ 131,651.04	\$ 82,345.61	\$ 286,000.71	\$ 97,825.79	\$ (543,037.59)	-84.7%
WSRI	\$ 5,212,143.24	\$ 6,438,354.05	\$ 8,054,509.90	\$ 9,658,088.81	\$ 5,920,026.38	\$ 707,883.14	13.6%
<b>Total Direct Expenditures</b>	<b>\$ 89,553,140.01</b>	<b>\$ 76,277,282.68</b>	<b>\$ 75,356,222.50</b>	<b>\$ 62,149,631.18</b>	<b>\$ 55,794,020.01</b>	<b>\$ (33,759,120.00)</b>	-37.7%

## 4. The five-year proposals and award by College and Sponsor.

### Award Data by College FY11 through FY 15

*Note: award data may represent annual, incremental or full budgets*

College	FY11	FY12	FY13	FY14	FY15
<b>BSOM</b>					
Direct	\$13,138,513	\$14,785,877	\$10,605,771	\$12,172,414	\$13,678,941
F&A	\$3,119,127	\$3,438,131	\$2,408,676	\$2,253,471	\$3,358,982
Total	\$16,257,640	\$18,224,008	\$13,014,447	\$14,425,885	\$17,037,923
# of awards	138	148	128	116	125
<b>CEHS</b>					
Direct	\$1,080,915	\$2,309,843	\$2,885,508	\$2,878,092	\$3,380,502
F&A	\$29,885	\$19,510	\$70,915	\$49,179	\$6,327
Total	\$1,110,800	\$2,329,353	\$2,956,423	\$2,927,271	\$3,386,829
# of awards	10	22	26	17	13
<b>CECS</b>					
Direct	\$9,123,277	\$11,881,649	\$9,431,195	\$7,853,444	\$5,944,487
F&A	\$2,261,977	\$2,486,029	\$2,098,603	\$1,685,772	\$2,126,870
Total	\$11,385,254	\$14,367,678	\$11,529,798	\$9,539,216	\$8,071,357
# of awards	134	124	128	123	102
<b>COLA</b>					
Direct	\$1,197,658	\$600,954	\$644,671	\$519,756	\$873,526
F&A	\$119,331	\$62,135	\$94,412	\$64,793	\$139,162
Total	\$1,316,989	\$663,089	\$739,083	\$584,549	\$1,012,688
# of awards	54	53	35	42	34
<b>CONH</b>					
Direct	\$360,406	\$389,817	\$749,805	\$634,657	\$355,314
F&A	\$0	\$0	\$15,307	\$3,787	\$55,236
Total	\$360,406	\$389,817	\$765,112	\$638,444	\$410,550
# of awards	11	8	13	8	7
<b>COSM</b>					
Direct	\$6,477,926	\$6,586,089	\$5,041,838	\$4,873,447	\$4,062,152
F&A	\$1,770,344	\$1,733,599	\$1,510,940	\$1,493,321	\$1,539,172
Total	\$8,248,270	\$8,319,688	\$6,552,778	\$6,366,768	\$5,601,324
# of awards	115	124	103	91	77
<b>LAKE</b>					
Direct	\$230,851	\$54,443	\$28,083	\$204,000	\$7,500
F&A	\$47,553	\$4,557	\$0	\$0	\$0
Total	\$278,404	\$59,000	\$28,083	\$204,000	\$7,500
# of awards	3	4	3	2	2
<b>LIBRARY</b>					
Direct	\$138,574	\$10,660	\$7,920	\$7,920	\$0
F&A	\$0	\$0	\$0	\$0	\$0
Total	\$138,574	\$10,660	\$7,920	\$7,920	\$0
# of awards	2	3	1	1	0
<b>RSCOB</b>					
Direct	\$677,864	\$470,525	\$464,336	\$328,415	\$458,360
F&A	\$59,711	\$0	\$31,234	\$0	\$0
Total	\$737,575	\$470,525	\$495,570	\$328,415	\$458,360
# of awards	14	9	13	7	7
<b>Research/Grad Studies</b>					
Direct	\$11,088,854	\$23,992,888	\$13,981,492	\$9,374,671	\$15,197,394
F&A	\$764,725	\$2,262,880	\$2,042,002	\$2,534,299	\$3,711,101
Total	\$11,853,579	\$26,255,768	\$16,023,494	\$11,908,970	\$18,908,495
# of awards	53	59	42	33	30
<b>SOPP</b>					
Direct	\$535,707	\$467,000	\$392,551	\$333,567	\$445,372
F&A	\$25,184	\$33,397	\$21,957	\$18,821	\$45,237
Total	\$560,891	\$500,397	\$414,508	\$352,388	\$490,609
# of awards	25	22	17	16	17
<b>Student Services</b>					
Direct	\$347,089	\$19,495	\$57,000	\$5,000	\$79,033
F&A	\$0	\$0	\$0	\$0	\$5,103
Total	\$347,089	\$19,495	\$57,000	\$5,000	\$84,136
# of awards	3	2	2	1	5
<b>Universitywide/Miscellaneous</b>					
Direct	\$43,936,980	\$25,450,108	\$32,563,962	\$33,413,349	\$23,697,683
F&A	\$9,077	\$1,197	\$948,545	\$1,929,438	\$339,706
Total	\$43,946,057	\$25,451,305	\$33,512,507	\$35,342,787	\$24,037,389
# of awards	60	19	18	19	20
<b>VPC&amp;I</b>					
Direct	\$2,760,902	\$3,003,063	\$4,491,623	\$2,460,662	\$2,125,265
F&A	\$12,381	\$96,065	\$196,090	\$93,550	\$78,892
Total	\$2,773,283	\$3,099,128	\$4,687,713	\$2,554,212	\$2,204,157
# of awards	8	11	10	5	5
<b>Grand Totals</b>					
Direct	\$91,095,516	\$90,022,411	\$81,345,755	\$75,059,394	\$70,305,529
F&A	\$8,219,295	\$10,137,500	\$9,438,681	\$10,126,431	\$11,405,788
Total	\$99,314,811	\$100,159,911	\$90,784,436	\$85,185,825	\$81,711,317
# of awards	630	608	539	481	444

### Proposal Data by College FY11 through FY 15

*Note: proposal data represents entire budget request for that proposal*

College	FY11	FY12	FY13	FY14	FY15
<b>BSOM</b>					
Direct	\$24,576,132	\$26,998,482	\$21,829,809	\$28,128,102	\$25,032,851
F&A	\$6,390,854	\$6,445,099	\$5,864,222	\$6,882,065	\$5,635,868
Total	\$30,966,986	\$33,443,581	\$27,694,031	\$35,010,167	\$30,668,719
# of proposals	210	223	197	223	200
<b>CEHS</b>					
Direct	\$3,139,481	\$934,110	\$3,744,240	\$6,421,438	\$3,824,004
F&A	\$50,033	\$176,903	\$194,764	\$236,254	\$101,726
Total	\$3,189,514	\$1,111,013	\$3,939,004	\$6,657,692	\$3,925,730
# of proposals	21	21	32	27	22
<b>CECS</b>					
Direct	\$23,172,162	\$20,251,660	\$21,287,618	\$19,192,804	\$19,533,574
F&A	\$5,308,853	\$5,516,029	\$5,820,011	\$5,343,013	\$6,771,382
Total	\$28,481,015	\$25,767,689	\$27,107,629	\$24,535,817	\$26,304,956
# of proposals	223	222	227	229	216
<b>COLA</b>					
Direct	\$1,524,449	\$520,027	\$610,010	\$920,851	\$703,960
F&A	\$138,941	\$91,209	\$90,943	\$143,977	\$98,149
Total	\$1,663,390	\$611,236	\$700,953	\$1,064,828	\$802,109
# of proposals	72	44	44	40	34
<b>CONH</b>					
Direct	\$694,429	\$918,760	\$1,044,651	\$1,818,113	\$318,420
F&A	\$16,426	\$77,433	\$71,128	\$104,097	\$29,257
Total	\$710,855	\$996,193	\$1,115,779	\$1,922,210	\$347,677
# of proposals	19	18	20	20	7
<b>COSM</b>					
Direct	\$12,485,619	\$10,663,742	\$8,449,004	\$9,437,551	\$7,467,650
F&A	\$3,452,317	\$2,838,869	\$2,680,151	\$2,980,519	\$2,411,803
Total	\$15,937,936	\$13,502,611	\$11,129,155	\$12,418,070	\$9,879,453
# of proposals	194	182	159	145	121
<b>LAKE</b>					
Direct	\$541,905	\$48,296	\$372,599	\$204,000	\$15,374
F&A	\$114,748	\$3,204	\$98,674	\$0	\$2,047
Total	\$656,653	\$51,500	\$471,273	\$204,000	\$17,421
# of proposals	3	4	6	2	3
<b>LIBRARY</b>					
Direct	\$31,259	\$79,668	\$15,840	\$0	\$12,771
F&A	\$0	\$0	\$0	\$0	\$1,884
Total	\$31,259	\$79,668	\$15,840	\$0	\$14,655
# of proposals	2	4	2	0	2
<b>RSCOB</b>					
Direct	\$530,034	\$703,661	\$576,511	\$320,037	\$911,337
F&A	\$42,038	\$14,760	\$31,059	\$3,013	\$0
Total	\$572,072	\$718,421	\$607,570	\$323,050	\$911,337
# of proposals	11	12	13	8	6
<b>Research/Grad Studies</b>					
Direct	\$18,768,416	\$22,574,293	\$11,963,917	\$10,689,938	\$19,396,353
F&A	\$1,884,634	\$2,549,859	\$2,147,420	\$3,009,904	\$5,046,159
Total	\$20,653,050	\$25,124,152	\$14,111,337	\$13,699,842	\$24,442,512
# of proposals	80	56	44	41	47
<b>SOPP</b>					
Direct	\$816,851	\$570,880	\$963,371	\$440,013	\$1,380,166
F&A	\$37,396	\$57,312	\$128,460	\$55,981	\$152,392
Total	\$854,247	\$628,192	\$1,091,831	\$495,994	\$1,532,558
# of proposals	39	25	26	12	14
<b>Student Services</b>					
Direct	\$597,089	\$60,891	\$45,000	\$19,448	\$276,087
F&A	\$0	\$0	\$0	\$0	\$21,349
Total	\$597,089	\$60,891	\$45,000	\$19,448	\$297,436
# of proposals	4	3	1	3	4
<b>Universitywide/Miscellaneous</b>					
Direct	\$114,662,972	\$14,024,210	\$45,205,349	\$33,579,668	\$21,854,151
F&A	\$1,320	\$16,658	\$965,480	\$2,019,196	\$192,498
Total	\$114,664,292	\$14,040,868	\$46,170,829	\$35,598,864	\$22,046,649
# of proposals	64	16	23	20	19
<b>VPC&amp;I</b>					
Direct	\$2,553,909	\$3,412,885	\$4,755,237	\$2,512,662	\$2,599,583
F&A	\$381	\$116,736	\$230,561	\$93,550	\$74,348
Total	\$2,554,290	\$3,529,621	\$4,985,798	\$2,606,212	\$2,673,931
# of proposals	11	13	7	5	5
<b>Grand Totals</b>					
Direct	\$204,094,707	\$101,761,565	\$120,863,156	\$113,684,625	\$103,326,281
F&A	\$17,437,941	\$17,904,071	\$18,322,873	\$20,871,569	\$20,538,862
Total	\$221,532,648	\$119,665,636	\$139,186,029	\$134,556,194	\$123,865,143
# of proposals	953	843	801	775	700

## Proposal Data by Sponsor

### FY11 through FY 15

*Note: proposal data represents entire budget request for that proposal*

<b>FY11</b>	Direct	F&A	Total	# Proposals
Educ. Inst.	\$6,852,398	\$1,274,183	\$8,126,581	106
Federal	\$143,743,549	\$12,152,548	\$155,896,097	286
Foreign	\$77,438	\$23,562	\$101,000	2
Industrial	\$9,139,545	\$2,215,209	\$11,354,754	231
Multiple Source	\$369,569	\$17,948	\$387,517	18
Non Profit	\$7,465,229	\$1,029,964	\$8,495,193	144
Other Gov't	\$888,144	\$57,288	\$945,432	44
State	\$35,558,834	\$667,240	\$36,226,074	122
Total	\$204,094,706	\$17,437,942	\$221,532,648	953

<b>FY12</b>	Direct	F&A	Total	# Proposals
Educ. Inst.	\$3,678,771	\$1,021,783	\$4,700,554	88
Federal	\$52,064,490	\$11,430,628	\$63,495,118	274
Foreign	\$99,365	\$20,635	\$120,000	4
Industrial	\$9,644,545	\$2,316,573	\$11,961,118	201
Multiple Source	\$140,581	\$16,833	\$157,414	15
Non Profit	\$15,362,678	\$2,557,843	\$17,920,521	158
Other Gov't	\$725,929	\$75,429	\$801,358	25
State	\$20,045,206	\$464,347	\$20,509,553	78
Total	\$101,761,565	\$17,904,071	\$119,665,636	843

<b>FY13</b>	Direct	F&A	Total	# Proposals
Educ. Inst.	\$6,225,623	\$1,069,350	\$7,294,973	105
Federal	\$77,899,799	\$11,267,699	\$89,167,498	251
Foreign	\$138,682	\$14,972	\$153,654	5
Industrial	\$7,266,432	\$1,837,843	\$9,104,275	181
Multiple Source	\$107,408	\$12,382	\$119,790	8
Non Profit	\$15,577,085	\$3,674,755	\$19,251,840	155
Other Gov't	\$828,524	\$74,476	\$903,000	36
State	\$12,819,603	\$371,396	\$13,190,999	60
Total	\$120,863,156	\$18,322,873	\$139,186,029	801

**FY14**

	Direct	F&A	Total	# Proposals
Educ. Inst.	\$6,814,041	\$1,292,699	\$8,106,740	106
Federal	\$65,386,704	\$12,782,984	\$78,169,688	251
Foreign	\$1,076,432	\$396,317	\$1,472,749	3
Industrial	\$7,996,542	\$1,658,332	\$9,654,874	192
Multiple Source	\$148,477	\$17,943	\$166,420	6
Non Profit	\$20,113,747	\$4,388,341	\$24,502,088	128
Other Gov't	\$953,566	\$101,532	\$1,055,098	31
State	\$11,195,115	\$233,421	\$11,428,536	58
Total	\$113,684,624	\$20,871,569	\$134,556,193	775

**FY15**

	Direct	F&A	Total	# Proposals
Educ. Inst.	\$6,875,053	\$1,240,054	\$8,115,107	95
Federal	\$61,920,856	\$12,447,640	\$74,368,496	219
Foreign	\$1,452,594	\$42,695	\$1,495,289	4
Industrial	\$5,842,546	\$1,720,976	\$7,563,522	171
Multiple Source	\$108,888	\$13,405	\$122,293	7
Non Profit	\$19,336,834	\$4,811,517	\$24,148,351	127
Other Gov't	\$656,948	\$69,199	\$726,147	20
State	\$7,132,563	\$193,376	\$7,325,939	57
Total	\$103,326,282	\$20,538,862	\$123,865,144	700



## Award Data by Sponsor

### FY11 through FY 15

*Note: award data may represent annual, incremental or full budgets*

<b>FY11</b>	Direct	F&A	Total	# Awards
Educ. Inst.	\$3,065,449	\$733,432	\$3,798,881	67
Federal	\$47,369,761	\$4,906,214	\$52,275,975	150
Foreign	\$87,438	\$23,562	\$111,000	3
Industrial	\$5,789,727	\$1,378,651	\$7,168,378	161
Multiple Source	\$373,263	\$17,076	\$390,339	18
Non Profit	\$5,067,548	\$585,672	\$5,653,220	86
Other Gov't	\$665,894	\$47,102	\$712,996	36
State	\$28,676,436	\$527,586	\$29,204,022	109
Total	\$91,095,516	\$8,219,295	\$99,314,811	630

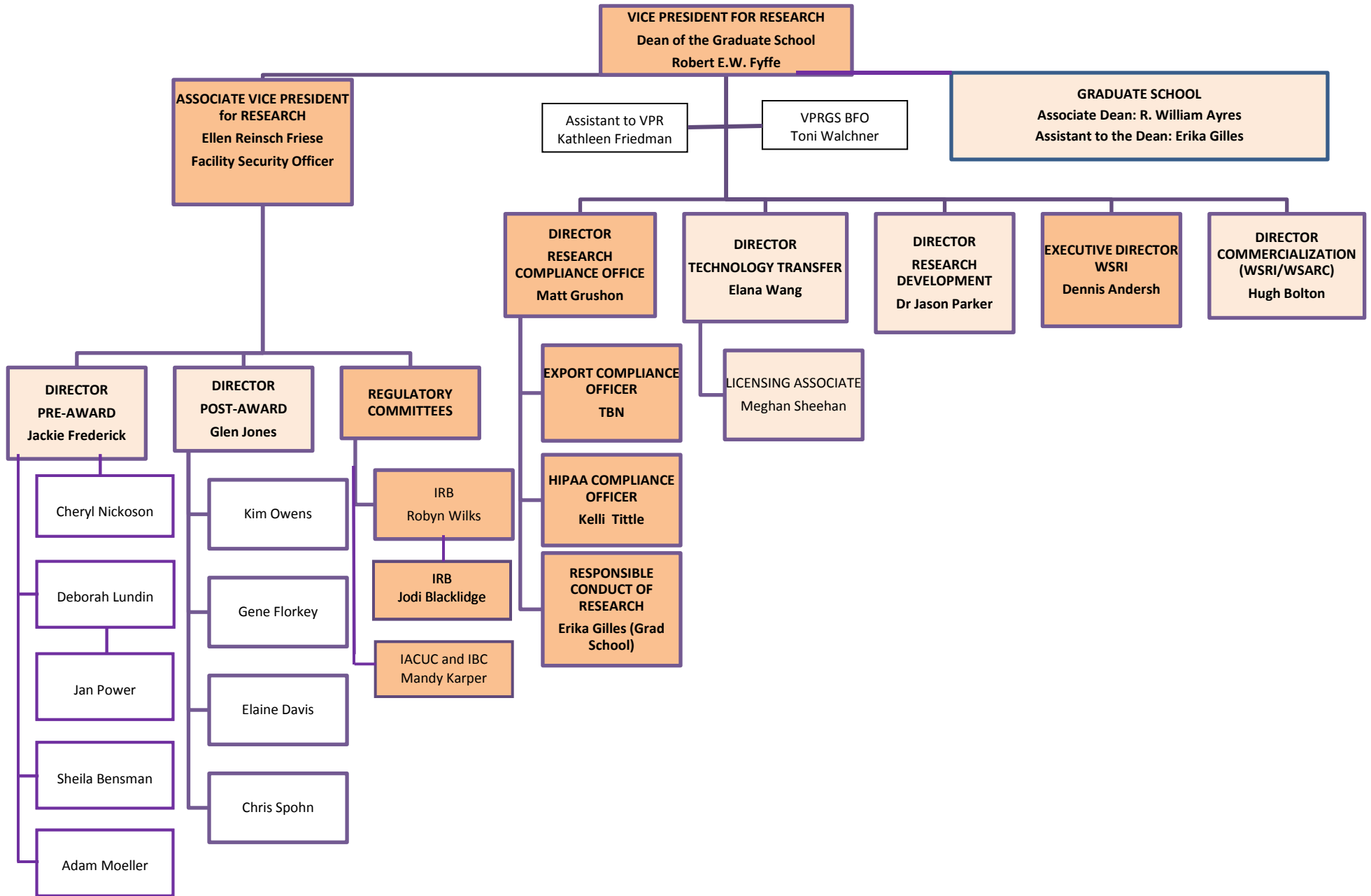
<b>FY12</b>	Direct	F&A	Total	# Awards
Educ. Inst.	\$4,238,032	\$570,532	\$4,808,564	75
Federal	\$44,280,730	\$5,357,365	\$49,638,095	154
Foreign	\$99,364	\$20,636	\$120,000	3
Industrial	\$8,105,282	\$1,580,328	\$9,685,610	165
Multiple Source	\$142,696	\$17,155	\$159,851	16
Non Profit	\$10,879,856	\$2,186,129	\$13,065,985	93
Other Gov't	\$569,542	\$42,811	\$612,353	24
State	\$21,706,910	\$362,542	\$22,069,452	78
Total	\$90,022,412	\$10,137,498	\$100,159,910	608

<b>FY13</b>	Direct	F&A	Total	# Awards
Educ. Inst.	\$4,546,497	\$536,047	\$5,082,544	72
Federal	\$43,785,547	\$4,307,369	\$48,092,916	123
Foreign	\$54,668	\$8,598	\$63,266	3
Industrial	\$5,404,532	\$1,261,619	\$6,666,151	144
Multiple Source	\$107,408	\$12,382	\$119,790	8
Non Profit	\$12,773,912	\$2,924,021	\$15,697,933	104
Other Gov't	\$556,931	\$48,957	\$605,888	27
State	\$14,116,261	\$339,688	\$14,455,949	58
Total	\$81,345,756	\$9,438,681	\$90,784,437	539

<b>FY14</b>	Direct	F&A	Total	# Awards
Educ. Inst.	\$4,768,338	\$599,691	\$5,368,029	72
Federal	\$39,475,663	\$3,950,447	\$43,426,110	111
Foreign	\$1,122,777	\$383,127	\$1,505,904	2
Industrial	\$4,481,199	\$846,083	\$5,327,282	118
Multiple Source	\$148,477	\$17,943	\$166,420	6
Non Profit	\$17,727,726	\$4,092,146	\$21,819,872	97
Other Gov't	\$552,548	\$52,345	\$604,893	27
State	\$6,782,667	\$184,649	\$6,967,316	48
Total	\$75,059,395	\$10,126,431	\$85,185,826	481

<b>FY15</b>	Direct	F&A	Total	# Awards
Educ. Inst.	\$5,752,352	\$875,013	\$6,627,365	75
Federal	\$36,755,838	\$5,028,434	\$41,784,272	93
Foreign	\$937,926	\$324,074	\$1,262,000	2
Industrial	\$5,271,664	\$1,203,546	\$6,475,210	122
Multiple Source	\$108,888	\$13,405	\$122,293	7
Non Profit	\$15,552,456	\$3,702,460	\$19,254,916	75
Other Gov't	\$608,724	\$75,857	\$684,581	18
State	\$5,317,680	\$182,999	\$5,500,679	52
Total	\$70,305,528	\$11,405,788	\$81,711,316	444

5. The organizational chart for the Office of Research.



6. Information on the Pipeline meetings, and also on the Faculty Speaker Series run by personnel at WSRI.

# The R&D Pipeline Meetings

Good Afternoon,  
Below offers more information in regards to last week's meeting invites.

Every other week RESEARCHERS AND THOSE INTERESTED IN PURSUING RESEARCH OPPORTUNITIES present forthcoming solicitations and opportunities that WSRI and WSU researchers are interested in pursuing, with lead times between 1 month and 1 year. Presentations take the form of a 1 slide summary of the opportunity, followed by a discussion of how the team can help prepare and pursue the opportunity. These slides are requested the Friday prior to the meeting and the invitation is open to anyone to present. We will also take a few minutes at the start of each meeting to focus on a specific customer and discuss their specific interests and methods to fund academia/industry.

Our goal is to have this led by the researchers. We identify opportunities and if a researcher is interested, they identify their interest and present it at this meeting. We currently search opportunities by using NAICS codes related to our research interests through GovWin. We also archive all of the opportunities if nobody shows initial interest and anyone is welcome to parse through this list.

This meeting occurs every other Tuesday from 1000-1100.

We meet in the big conference room at WSRI, 4035 Col Glenn Highway and have a dial-in number as well. Attendance is not required.

POC- Todd Norell [todd.norrell@wright.edu](mailto:todd.norrell@wright.edu)

Thank you.

Email Description to Faculty

WATCHLIST emails are broadly distributed when relevant opportunities are identified

## Agenda

10:00 Start Time every other Tuesday

1. Update on existing proposals in process
2. Researchers Introduce their opportunities
3. Open opportunities of relevance presented for discussion
4. Overview of specific Federal/State customer
5. Individual Updates from those in Attendance

All opportunities that have interest are tracked and reviewed quarterly in the Pipeline meeting for status updates

R&D Pipeline Mtg Invites		
Previous Invitees	New Faculty Invitees as of February 2, 2016	
Mark Miller	Cassie Barlow	Pam Garverick
Ali Reiter	Tim Broderick	Abinash Agrawal
Dennis Andersh	Bruce Howard	Jeffery Allen
Mike Cox	Todd Norell	William Ayres
Larry Dosser	Hugh Bolton	Linda Caron
Don Emerson	Brad Minnerly	Jeff Cigrang
Ryan Fogle	David Selby	Mark Cubberly
<b>Steve Gabbard</b>	Kazuko Fuchi	John Cutcliffe
David Gross	Lynda Ehret	Margaret Dunn
Jim Gruenberg	Colin Morrow	Kathy Engisch
Karl Henderickson	Al Whatmough	Rosemary Eustace
Boots Douglas Hodge	Diana Whatmough	Robert Fyffe
David Malek	<b>Brian Rigling</b>	Jennie Gallimore
Mark Wysong	Loren Friedman	Sharon Heilmann
Eric Martin	Shawn Tovey	Stephen Jacquemin
John Nehrbass	Tim Feeser	Joseph Keferl
Keith Ralston	<b>Jennie Gallimore</b>	Nathan Klingbeil
Jim Schmitz	<b>Pam Garverick</b>	Joanne Li
Matt Sherwood	Faculty highlighted in green	Rosalie Mainous
Rufus Smith		Mark Mamrack
Terry Rapoch		Michael Raymer
David Bridges		Nicholas Reo
Chad Watchorn		Arijit Sengupta
Anthony Hinojosa		Lafleur Small
John Hermes		Kristin Sobolik
Erin Moran		Carl Wang
Tim Shaw		La Pearl Logn Winfrey

# New R&D Pipeline Changes

- **We are transitioning to an automated lead generation process using Deltek's GovWin system.**
  - Moving away from keyword searches.
  - Generates all forthcoming and active RFPs, RFIs, BAAs, etc. across industry classification codes:
    - 541710, 541711– Physical Sciences and Engineering R&D Opportunities
    - 541712– Biotechnology R&D Opportunities
    - 928110, 611430– National Security Training and Workforce Development Opportunities
    - In a typical month, we will capture 350 leads, which filter down to 150 based on place of performance and other competition restrictions, of which 10-15 may be of interest to WSU/WSRI.
  - Leads will be grouped by research area and sent to Research Directors, WSU Deans and interested WSU faculty, as well as other relevant technical personnel every other Tuesday.
    - New opportunities will be briefed at Pipeline meetings by those who express interest.
- **We are streamlining the pipeline.**
  - Lead / ~~Pursue~~ / Capture / Bid
    - **Lead** indicates opportunity has been briefed at a R&D pipeline meeting. All leads must be briefed.
    - **Capture** indicates lead has been approved at a Go/No-Go Meeting.
    - **Bid** indicates transition to the proposal pipeline for management and tracking.
- **We are integrating Go-No/Go Meetings the day after each pipeline meeting.**
  - R&D pipeline every other Tuesday 1000-1100.
  - Must show how WSRI and WSU combined capture 35% or more LOE or funding for any opportunity to prime.

# Faculty Speaker Series at WSRI

## Historical List of Presentations

December 17, 2014	Saiyu Ren	<ul style="list-style-type: none"> <li>Electrical Engineering</li> <li>RF Integrated Circuit Research Lab</li> </ul>
January 21, 2015	Subhashini Ganapathy Assistant Professor	<ul style="list-style-type: none"> <li>Biomedical, Industrial, &amp; Human Factors Engineering</li> <li>Interactions Design and Modeling Lab</li> </ul>
February 19, 2015	Yan Zhuang Associate Professor	<ul style="list-style-type: none"> <li>Electrical Engineering</li> <li><i>Radio frequency and microwave applications</i></li> </ul>
March 17, 2015	Xiaodong (Frank) Zhang Associate Professor	<ul style="list-style-type: none"> <li>Electrical Engineering</li> <li>Intelligent Control Systems Lab</li> </ul>
April 15, 2015	Michelle A Cheatham Assistant Professor	<ul style="list-style-type: none"> <li>Computer Science &amp; Engineering</li> <li>DaSe Lab for Data Semantics</li> <li><i>Cyber Security</i></li> </ul>
May, 21, 2015	Adam Bryant	<ul style="list-style-type: none"> <li>Computer Science &amp; Engineering</li> <li><i>Cyber Security</i></li> </ul>
June 16, 2015	Joe Hout	<ul style="list-style-type: none"> <li>Psychology</li> <li>Cognitive Modeling Group</li> </ul>
July 15, 2015	Nasser Kashou	<ul style="list-style-type: none"> <li>Biomedical, Industrial &amp; Human Factors Engineering</li> <li>Biomedical Imaging Lab &amp; FNIRS Lab Director</li> </ul>
August 12, 2015	Jeff Travers	<ul style="list-style-type: none"> <li>Chair of Pharmacology &amp; Toxicology / Professor of Dermatology, Boonshoft School of Medicine</li> <li>Staff Physician, Dayton VA Medical Center</li> </ul>
September 18, 2015	John Wu	<ul style="list-style-type: none"> <li>Electrical Engineering</li> <li>Advanced Wireless Communications Lab</li> </ul>
October 13, 2015 1230-130	Derek Doran	<ul style="list-style-type: none"> <li>Computer Science &amp; Engineering</li> <li>Kno.e.sis Research Center of Excellence</li> <li><i>topic: Big Data/data science</i></li> </ul>
November 17, 2015	Mike Saville	<ul style="list-style-type: none"> <li>Electrical Engineering</li> <li><i>Research interest: hybrid applications of signal processing, electromagnetics and computational methods for polarization-based feature extraction in synthetic aperture radar</i></li> </ul>
December		

## 2016 Planned Presentations

January 27	Zack Fuchs, Ph.D., Assistant Professor, Electrical Engineering
February 17	Assaf Harel, Ph.D., Assistant Professor, Psychology
March 3	Sherif Elbasiouny, Ph.D., P.E., P.Eng., Assistant Professor, Neuroscience Cell Bio Physio-COSM
? April	
May 11	Arthur Gooray, Adjunct Instructor, Biomed Ind & Human Factors Engineering
June 9	Michael Markey, Ph.D., Research Associate Professor, Biochemistry & Molecular Biology; Director, Center for Genomics Research
July	
August	
September	Junjie Zhang, Ph.D., Assistant Professor, Department of Computer Science and Engineering
October	
November	

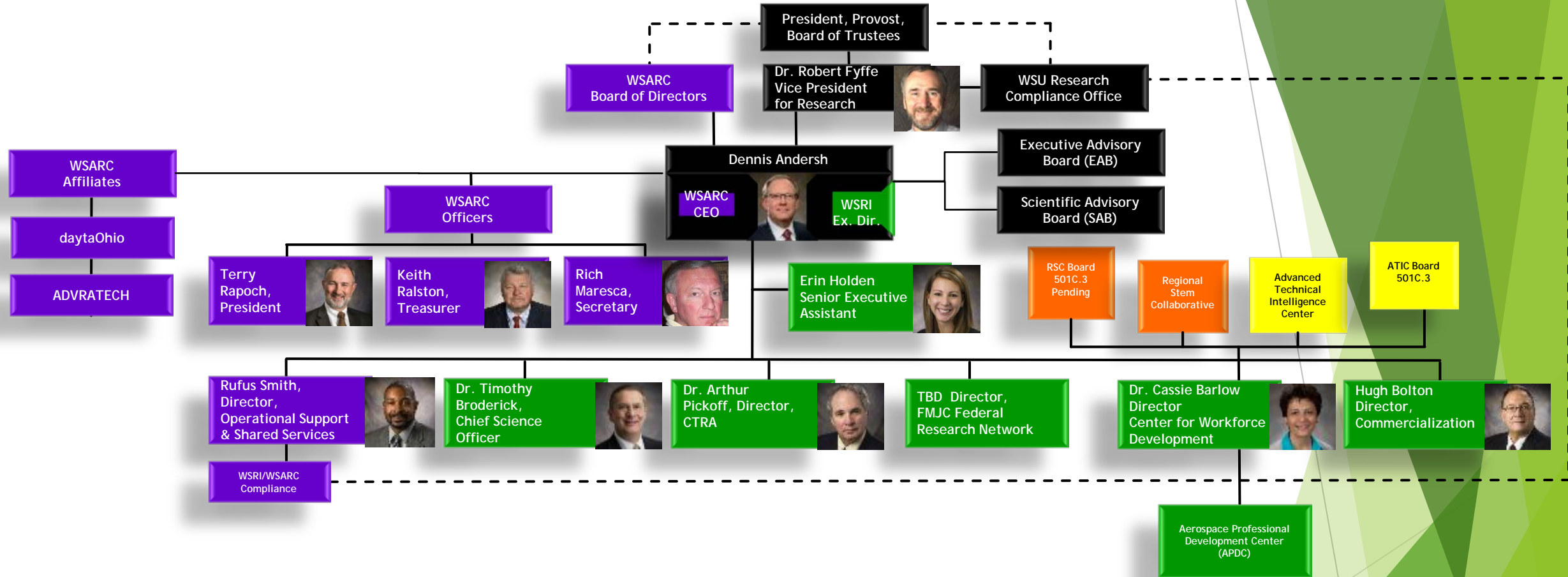
# Faculty Engagement Meetings

Dennis and WSRI leadership held several meetings to explain WSRI and the pipeline process:

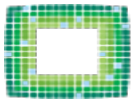
- Debra Steele Johnson, Department Chair and Professor of Psychology 10/23/15
- Briefed CECS Faculty December 2015
- Briefed COSM Chairs 1/25/16

# WSARC/WSRI Organizational Structure

## WSRI Organization







As part of Wright State University, WSRI is committed to WSU's mission to transform the lives of students and the communities we serve, and to support that mission through strong internal and external partnerships.

### WSRI Vision:

To be National leaders in transformational applied research.

### WSRI Mission:

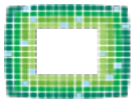
Deliver high-impact solutions to National Security and Health challenges through Research, Education and Training, in collaboration with WSU faculty and other campus units:

- Foster development and application of basic scientific research into innovative solutions that address critical challenges.
- Enhance commercialization programs to expand University research.
- Deliver innovative solutions to build talent and support economic development.
- Improve health through ground-breaking clinical trials.

### WSRI Guiding Principles:

#### ***We will:***

- Promote transparency.
- Act ethically.
- Ensure compliance.
- Collaborate across our University.
- Cultivate our people as our greatest asset.
- Innovate.



### WSRI Proposed Goals/Objectives:

#### **GOAL 1: *Foster and apply basic scientific research into innovative solutions that address critical challenges.***

Objective 1: Collaborate to advance scientific discovery and national security capability.

Objective 2: Protect, restore, and augment human health and performance.

Objective 3: Promote recognition of the impact of Wright State research and researchers.

#### **GOAL 2: *Enhance commercialization programs to expand University research.***

Objective 1: Target unmet commercial needs with disruptive, protectable concepts and technologies.

Objective 2: Develop multi-tiered funding sources to support promising commercializable concepts and technologies.

Objective 3: Collaborate to enhance the regional commercialization ecosystem

#### **GOAL 3: *Build talent and support economic development.***

Objective 1: Collaborate to be a national leader in STEM, Defense and Homeland Security training.

Objective 2: Establish professional and career development programs to address industry and Federal Government needs.

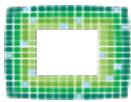
Objective 3: Cultivate people as our best asset.

#### **GOAL 4: *Improve health through ground-breaking clinical trials.***

Objective 1: Attract the latest, cutting-edge clinical trials to the Dayton region.

Objective 2: Educate and serve clinical investigators and patients in our community.

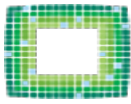
Objective 3: Accelerate movement of discovery from the basic science laboratory to the patient.



Alignment will ensure predictability for contract and grant processing, and will result in consistent and reliable results with reduction in resource allocation and an increase in overall efficiency.

**Review Board [ GO / NO GO ] will determine and approve contracting path.**

RSP (Faculty + WSRI)	WSARC (WSRI + Faculty Directors)
<p style="text-align: center;"><b><u>CATEGORIES</u></b></p> <p>Basic Research (6.1 +)</p> <ul style="list-style-type: none"><li>• <u>Federal and State Grants</u><ul style="list-style-type: none"><li>• Examples : NSF, NIH, AFOSR, ARO, NRL, ONR, AFRL, NASA, NAMRU-D, etc</li></ul></li><li>• Industrial Research Programs</li><li>• Foundations</li><li>• Clinical Trials Research Alliance</li></ul>	<p style="text-align: center;"><b><u>CATEGORIES</u></b></p> <p>Applied Research (6.2-6.4)</p> <ul style="list-style-type: none"><li>• <u>Federal Contracts</u><ul style="list-style-type: none"><li>• Examples: DARPA, IARPA, AFRL, HSARPA, EARPA, ONR, LCMC, NASA, NAMRU, NASIC, NSA, CIA, DIA, etc</li></ul></li><li>• Industrial Research Programs</li><li>• All Classified Programs</li><li>• Ohio Federal Research Network</li></ul>
<p><b><u>Note:</u></b> Contract awards managed by WSARC that involve Faculty, or other WSU resources, require execution of a formal subcontract between WSARC and WSU (via RSP) prior to initiation of any work.</p>	



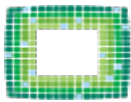
**WRIGHT STATE UNIVERSITY  
RESEARCH AND SPONSORED PROGRAMS  
CAGE CODE: 4B991**

- STATE INSTITUTION
- A-21 (MTDC)
- DUNS: 047814256
- COGNIZANT AGENT: DHHS
- ACCOUNTING SYSTEM
  - BANNER
  - EFFORT RECORDING
- PRIMARILY SUPPORTS GRANTS AND SIMILAR AWARDS – MANAGED BY RESEARCH AND SPONSORED PROGRAMS (RSP) PRE- AND POST AWARD DIVISIONS

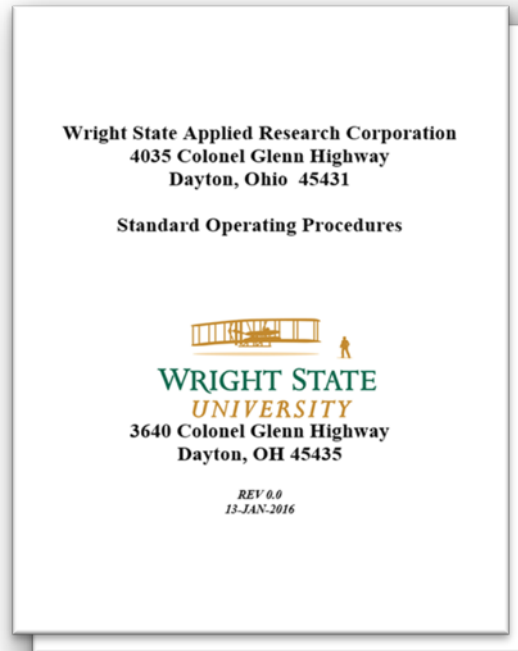
**WRIGHT STATE APPLIED  
RESEARCH CORPORATION (WSARC)  
CAGE CODE: 5FT31**

- 501c3 TAX EXEMPT OHIO CORPORATION
- A-122 (MTDC)
- DUNS: 011705988
- COGNIZANT AGENT: DCMA
- ACCOUNTING SYSTEM
  - DELTEK CGS – DCMA APPROVED
  - DELTEK DAILY DETAILED TIME RECORDING
- DCMA APPROVED INDIRECT RATES
- STRUCTURED TO EXECUTE FAR CONTRACTS

***\*Both Entities Fall Under the New Uniform Guidance Policies [2 CFR 200]***



## Business Process Management Summary



### Standard Operation Procedures

- Commitment to providing quality services and support toward the achievement of WSU and WSRI strategic mission.
- WSU and WSRI established Standard Operating Procedures (SOP) that :
  - Provides all employees with a reference manual containing procedures for executing day-to-day operations.
  - Streamlines and enhances review and approval processes.
  - Focus on quality assurance and compliance with Wright Way Policy.

### Table of Contents

- |   |   |
|---|---|
| • Human Resource Management                 | • Investments                               |
| • Facilities Management                     | • Procurement and Capital Asset Acquisition |
| • Industrial Security                       | • Insurance                                 |
| • Information Technology                    | • Accounting and Financial Reporting        |
| • Business Development, Contracts & Grants  | • Legal                                     |
| • Procurement of WSARC Services             | • Compliance                                |
| • Intellectual Property & Commercialization | • Change Process for Operational Procedures |

# Ohio Federal and Military Jobs Commission (OFMJC) Support Improving Ohio's Economy Through R&D

7. Slides from a WSRI Briefing presented to various constituency groups



WSU - Dennis Andersh



OSU - Marty Kress



CSU – Jerzy Sawicki



# Joint WPAFB/NASA Glenn Priorities

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Reviewed and Refined FMJC Research Priorities

## ■ AFRL Priorities

- Human Performance/ Health Sciences
- Hypersonics
- Directed Energy Weapons (Lasers)
- Autonomy
- C4ISR
- LVC
- Materials/ Manufacturing
- Propulsion

## ■ NASIC Priorities

- Cyber
- Data analytics
- C4ISR
- Modeling/Simulation/Analysis
- Hypersonics
- Directed Energy

## ■ NASA Glenn Priorities





- Hybrid Electric Propulsion
- Advanced Communications
- Solar Electric Propulsion
- Energy Storage (Enabler for others)
- Materials and Manufacturing

## ■ Naval Medical Research Unit (NAMRU) Priorities

- Human performance
- Human physiology
- Manned / unmanned aeromedical ops
- Toxicology
- Risk assessment



# FRN Funding Focus

	BASIC Research and Development	Applied Research and Development	Advanced Technology Development	Demonstration and Validation	Engineering and Manufacturing	RDT&E Management Support	Operational Systems Test and Validation		
<u>DOD RDT&amp;E Level</u>	6.1	6.2	6.3	6.4	6.5	6.6	6.7		
A F O S R  F O C U S	<div>FRN COE Focus Mission Application Research for NASA, AFRL, NAMRU and NASIC</div>								
<u>NASA</u>	TRL1	TRL2	TRL 3	TRL 4	TRL 5	TRL 6	TRL 7	TRL 8	TRL 9
	Basic Principles	Concepts Application Focus	Analysis and Experiments	Concept and Breadboard in Laboratory	Component and Breadboard Validation in Realistic Environments	System / Subsystem prototype demonstration in realistic Environment	System prototype demonstration in Operational Environment	Actual system completed and qualified through test and demonstration	Actual system Proven through successful mission operations





## \$350 million in new federal research contracts to Ohio based universities and companies

COE Lead  
LCCC, CSU

Aerospace Systems <ul style="list-style-type: none"><li>Manned</li><li>Remotely Piloted</li><li>Hypersonic</li></ul>	<div>Human Performance and Health Sciences</div> <ul style="list-style-type: none"><li>Autonomy</li><li>LVC Training</li><li>Neuroscience</li><li>Aerospace Physiology /Toxicology</li><li>Biosensors / Biomarkers</li><li>Human Machine Teaming</li><li>RPA Operations</li></ul> <div>Existing AHEAD</div>	<div>Power and Propulsion</div> <ul style="list-style-type: none"><li>Hybrid Electric Power and Propulsion</li><li>Solar Electric Power and Propulsion</li><li>Advanced Turbine Engines</li><li>Energy / Fuels</li><li>Energy Storage / Retrieval</li><li>On-board Power Systems</li></ul>	<div>Materials and Manufacturing</div> <ul style="list-style-type: none"><li>Nanomaterials</li><li>Sustainment</li><li>Additive Manufacturing</li><li>Ceramics</li><li>Composites</li><li>Materials for Adverse Conditions</li><li>Flexible Electronics</li></ul>	<div>Energy Storage/Integration</div> <ul style="list-style-type: none"><li>Batteries</li><li>Supercapacitors</li><li>Green Technologies</li><li>Rapid charge/discharge cycling</li><li>Micro-devices</li></ul>	<div>Command, Control, Communications Computing Intelligence Surveillance &amp; Reconnaissance (C4ISR)</div> <ul style="list-style-type: none"><li>Human- Centered ISR</li><li>Data Analytics</li><li>Data Compression / Analytics</li><li>Processing Exploitations and Dissemination</li><li>Infrared (IR), Electro-optical (EO), Laser, RF, Hyperspectral, Acoustic, &amp; Radar Sensors</li><li>Space Situational Awareness</li><li>Electronics Warfare (EW)</li></ul>	<div>Advanced Communications Precision Navigation and Targeting (PNT)</div> <ul style="list-style-type: none"><li>Directed Energy</li><li>Offensive and Defensive EW</li><li>Novel Payloads</li><li>Avionics</li><li>Next Gen Global Positioning Systems (GPS)</li><li>Space Communications</li><li>Tactical Communications</li><li>RF Spectrum Management</li><li>FCC</li><li>Advanced Algorithms</li><li>Digital Systems</li></ul>
Space Systems <ul style="list-style-type: none"><li>Manned</li><li>Unmanned</li></ul>						
Cyber Systems <ul style="list-style-type: none"><li>IT</li><li>Weapon Systems</li></ul>						
Modeling/Simulation/Analysis						
Commercialization & Technology Transition Small / Med Business Growth Connections to Business						
Workforce Development <ul style="list-style-type: none"><li>STEM</li><li>Skilled</li><li>Unskilled</li></ul>						
Primary Support: All Universities to specifically include UC, UD, KSU, Miami, BGSU, Central WSU, Stark State, Clark, UA, UT, CSU, Lorain, Case, Sinclair, OU, OSU						
	<div>Lead: WSU</div> <div>Primary Support: UC, UT, OSU, Case, UD, KSU, CSU, Sinclair, Lorain, Clark,</div> <div>Jobs Created: 575</div> <div>Contracts Awarded: \$167M</div> <div>Private Sector Investment: \$150M</div> <div>Project 25% Y/Y Growth</div>	<div>Lead: OSU</div> <div>Primary Support: UC, UD, UA, UT, CSU, Lorain</div> <div>Potential Jobs : 400</div> <div>Potential Contracts: \$100M</div> <div>Potential Private Sector Investment: \$50M</div>	<div>Lead: UD</div> <div>Primary Support: YSU, OSU, UA, Case, UC, UT, CSU, KSU, Lorain, Sinclair, Clark, Central</div> <div>Potential Jobs : 600</div> <div>Potential Contracts: \$150M</div> <div>Potential Private Sector Investment: \$75M</div>	<div>Lead: Case</div> <div>Primary Support: UT, OSU, UD, UC, CSU, Lorain</div> <div>Potential Jobs : 200</div> <div>Potential Contracts: \$50M</div> <div>Potential Private Sector Investment: \$10M</div>	<div>Lead: WSU/OSU</div> <div>Primary Support: UD, OU BGSU, Case, UT, UC, Miami , Sinclair</div> <div>Potential Jobs: 600</div> <div>Potential Contracts: \$150M</div> <div>Potential Private Sector Investment: \$75M</div>	<div>Lead: OU</div> <div>Primary Support: WSU, OSU, KSU, UD, Miami, Lorain</div> <div>Potential Jobs : 300</div> <div>Potential Contracts: \$75M</div> <div>Potential Private Sector Investment: \$25M</div>



# Construct for Ohio Centric Center of Excellence (COE) Federal Research Network (FRN)

## Air Force Research Laboratory (AFRL) Priorities

- Human Performance/ Health Care
- Hypersonics
- Directed Energy Weapons (Lasers)
- Autonomy
- C4ISR
- LVC
- Materials/ Manufacturing
- Propulsion

## NASA Glenn Research Center (GRC) Priorities

- Hybrid Electric Power and Propulsion
- Advanced Communications
- Solar Electric Power and Propulsion
- Energy Storage (Enabler for others)
- Materials and Manufacturing

## State of Ohio

### Executive Review Board

3 WP and GRC Reps (Ex Officio)  
1 OFMJC Commissioner  
1 JobsOhio Rep  
1 Third Frontier Exec  
4 Private Industry,  
4 University (1 State Supported, 3 State Funded)  
Rotates every 2 years.

### Technical Review Council

3 WP and GRC Reps (Ex Officio)  
4 Rotating VP of Research or Deans of Engineering at Ohio Universities  
4 Private Industry CTO or Dir of Engineering  
1 Third Frontier Rep  
Rotates every two years.

## Wright State University Applied Research Corporation

**Human Performance and Human Sciences COE**  
WSU  
(Dr Tim Broderick / Dr Chad Reiter)

**Power and Propulsion COE**  
Ohio State University  
(Dr. Mike Benzakein)

**Materials and Adv Manufacturing COE**  
University of Dayton  
(Dr. John Leland)

**Advanced Communications, COE**  
Ohio University  
(Mr. Trent Skidmore  
Dr. Shawn Ostermann)

**C4ISR and Data Analytics COE**  
WSU/OSU  
(Dr Brian Rigling / Dr Greg Creech)

**Energy Storage and Integration COE**  
Case Western Reserve U.  
(Dr. Alexis Abramson)

**Commercialization and Workforce Development Support**  
(Dr. Jerzy Sawicki(CSU)  
Ms. Tracy Green(LCCC))

## National Air and Space Intelligence Center (NASIC) Priorities

- Cyber
- Data analytics
- C4ISR
- Modeling/Simulation/Analysis
- Hypersonics
- Directed Energy

## Naval Medical Research Unit (NAMRU) Priorities

- Human performance
- Human physiology
- Manned / unmanned aeromedical ops
- Toxicology
- Risk assessment



# ERB and TRC Composition Review Team for Proposals

Executive Review Board		Technical Review Council	
	Designee		Designee
Cleveland State	Pres Ron Berkman	University of Toledo VP of Research	Dr Bill Messer
Ohio State University	Dean of Engineering Dr Dave Williams	University of Cincinnati Department Head Aerospace Engineering and Engineering Mechanics	
Wright State University	Pres Dave Hopkins	OAATC	Dr. Paul Orkwis
Lorain County Community College	Pres Roy Church	Ohio University Dean of Engineering	Dr Dennis Irwin
Ohio Federal Military Jobs Commission	Gary O'Connell	Case Western Reserve VP of Research	Dr Suzanne Rivera
NASA Glenn	Director Jim Free	University of Dayton Research Institute	Dr John Leland
AFRL	Jack Blackhurst	Ohio Federal Military Jobs Commission	Don Campbell
NASIC	Curt Rowland	NASA Glenn	Sandra Reehorst
Jobs Ohio Glenn	Richardson	AFRL	Dr Morley Stone
3rd Frontier	Karen Conrad	NASIC	Steve Hayden
Industry 1	Ricky Peters, Perduco	3rd Frontier	Paul Jackson
Industry 2	Salvatore J. Miraglia, Jr. Indep	Industry 2	Ron Yates, Boeing
Industry 3	Frank Winslow Indep	Industry 3	Jeff Taylor, Event 38
Industry 4	Tom Brady Indep	Industry 4	Carlos Grodsinsky
		Industry 5	Greg Morris, Additive MFG
		Industry 6	Ed Morris

TRC Scheduled for Dec 10<sup>th</sup>  
ERB Planned for January 12<sup>th</sup>

All Federal and State Government Employees are Ex Officio



# FRN Funding Allocation

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Total State Operating Funding for FY 16 and 17		\$ 25 M
▪ Aerospace Workforce Development Legacy Programs	(\$1.5M Required)	\$( 3 M)
▪ FRN Admin., Financial and Organizational Support		\$( 2 M)
▪ Funding Available for 7 COE's Research and Business Plans		\$ 20 M
▪ Tech Commercialization/Workforce Development Support (LCCC/CSU)		
▪ Required White Paper and Proposal fro Rounds one and Round 2		
▪ Will be focused on projected selected for COE funding.		
▪ Made a call for ~\$12.5 M for full proposals on Oct 15.		
▪ Will then have \$7.5M for round 2.		



# White Paper Evaluation Criteria

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*To meet the stated primary objectives of the OFMJC, projects should be evaluated upon the following criteria (in suggested order of importance):*

1. Does the proposed project meet the applications/user driven requirements derived from emerging mission priorities of NASA and DOD. **This is a go/no go for each project.**
2. The degree of alignment with Ohio industries and potential to impact job creation. If there is no industry cost share, then the long term impact to Ohio industry should be considered. **This is a go/no go for each project.**
3. Level of engagement and cost share provided by non-state parties. Past experience has shown that the depth of collaboration increases as parties invest their own funds. Requiring cost share is also a good means of determining the investment priorities of a company or federal lab.
4. Level of collaboration between the universities. Is the project a collection of independent sub-projects or is it truly an integrated approach to meeting a technical objective of a federal agency or company?
5. The degree of alignment with Ohio federal installation major technical or program objectives. This criterion should be weighted less if in #1 above, a federal installation is providing cost share. If there is no Ohio federal lab cost share, then the long term impact of the project in terms of its ability to leverage future federal funds should be considered.
6. As the state funds are an investment, a long term outcome is expected. How does the project improve the long term competitiveness of Ohio's universities, federal labs or industries?



# PROPOSAL EVALUATION CRITERIA

## ▪ TECHNICAL COES

- INCREASE FEDERAL RESEARCH SPENDING IN OHIO
- CREATE JOB IN OHIO FROM EXPERIMENTAL RESEARCH
- HAVE BROAD ECONOMIC IMPACT ON OHIO
  - TRANSITION FEDERAL RESEARCH TO COMMERCIAL ENTERPRISES THAT WILL THE SUPPORT THE FEDERAL ESTABLISHMENTS
  - ENHANCE BUSINESSES BY TRANSITIONING FEDERAL RESEACH OUTCOMES TO COMMERCIAL APPLICATIONS
  - IMPROVE THE LONG TERM COMPETITIVENESS OF OHIO UNIVERSITIES, FEDERAL LABS AND INDUSTRY
- CREATE SUSTAINABLE BUSINES MODEL

## ▪ PROJECT CRITERIA

- ALIGNMENT – DIRECTLY SUPPORT EMERGING FEDERAL RESEARCH PRIORITIES
- JOB CREATION – SUSTAINABLE CHANGES IN EMPLOYMENT
- ADDITONAL FUNDING OPPORTUNITIES – ADDITIONAL FUNDING BROUGHT TO OHIO AS A RESULT OF FMJC PROGRAM
- COSTS SHARE – INDICATES LEVEL OF COMMITMENT BY ALL STAKEHOLDERS
- COLLABORATION - BULDING A RESEARCH NETWORK
- COMMERCIALIZATION – DEVELOPMENT OF IP AND EXPANSION OF BUSINESS INFRASTRUCTURE



# FRN Timetable – 2015-17

Event	Date
▪ August 31, 2015	Announcement of FRN COE Call for White Papers
▪ September 30, 2015	Round 1 FRN COE White Papers Due
▪ October 1-15, 2015	Round 1 White Paper Review by FRN Executive Team
▪ Week of October 12, 2015	Round 1 and 2 COE Lead Meeting in preparation of RFP Process
▪ October 15, 2015	Round 1 COE RFP Release
▪ October 28, 2015	Round 1 C&W COE RFP release
▪ November 30, 2015	Round 1 COE RFP Response Deadline
▪ December 20, 2015	Round 1 Commercialization and Workforce Development COE RFP Response Deadline
▪ December 1-31, 2015	Round 1 RFP Review by TRC
▪ January 12, 2015	Round 1 Proposal Review by ERB
▪ January 15, 2015	Round 1 Award Approval from OFMJC Commission
▪ January 20, 2016	Round 1 Notification of RFP Selection COE Awards
▪ January 30, 2016	Round 1 COE Funding Release Phase 1.
▪ January 30, 2016	Round 2 FRN COE Call for White Papers.
▪ March 15, 2016	Round 2 FRN COE White Papers Due
▪ March 15-28, 2016	Round 2 White Paper Review by FRN Executive Team
▪ March 30 , 2016	Round 2 COE RFP Release
▪ May 1, 2016	Round 2 COE RFP Response Deadline for Funding Business Plan Proposals
▪ May 1-15, 2016	Round 2 RFP Review by TRC and ERB
▪ June 15, 2016	Round 2 Notification of RFP Selection COE Awards
▪ June 30, 2016	Round 2 COE Funding Release Phase I
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▪ April 15, 2016	Round 1 COE Quarterly Review with FRN Leadership Team
▪ July 15, 2016	Round 1 and 2 COE Quarterly Review
▪ October 15, 2016	Round 1 and 2 COE Funding Release Phase II
▪ January 15, 2017	Round 1 and 2 COE Annual Review
▪ April 15, 2017	Round 1 and 2 COE Quarterly Review with FRN Leadership Team
▪ July 15, 2017	Round 1 and 2 COE Quarterly Review
▪ October 15, 2017	Round 1 and 2 COE Funding Released Phase III





# LVC Regional Enterprise





## 9. Charge of the Select Committee on Research Initiatives at Wright State.

### Select Committee on Research Initiatives at Wright State

#### **Mission and Responsibilities**

The Faculty Senate Executive Committee charges a Select Committee on Research Initiatives at Wright State to inquire into the status, funding, and oversight of past and present research initiatives undertaken under the auspices of the university and under the oversight of the Office of the Vice President for Research, including but not limited to the management and direction of the Wright State Research Institute and the relationship of Wright State University to entities such as Wright State Applied Research Corporation, among others. The Select Committee shall seek answers to questions it formulates, and to questions developed for it by the Executive Committee, about research funding and oversight, return on investment, and institutional priorities, as well as into the development of Wright Way Policies governing hiring and funding of non-faculty research personnel from the any and all administrators with responsibility for these.

The Select Committee shall report its initial findings to the Faculty Senate no later than its March 2016 meeting, but is encouraged to make periodic reports to the Senate Executive Committee about its progress during the course of the spring semester. Based on these findings the Select Committee may recommend appropriate actions the Senate may take to improve the status, funding and oversight of current and future research initiatives and to ensure that faculty research agendas are well-served and remain an institutional priority. Additionally, the Select Committee shall review the role of the Research Council and make recommendations as to potential reconfiguration to better suit institutional and faculty needs in the context of the Quadrennial Review of the Faculty Constitution slated for the 2016-17 academic year.

#### **Membership**

Members of the Select Committee on Research Initiatives at Wright State University shall be appointed by the Senate Executive Committee. The committee will be co-chaired by the Vice-President of the Senate and a Senator appointed by the Executive Committee.

From the December 7, 2015 Faculty Senate Agenda:

[https://www.wright.edu/sites/default/files/uploads/2015/Dec/meeting/FS\\_Agenda\\_2015\\_12Decv3.pdf](https://www.wright.edu/sites/default/files/uploads/2015/Dec/meeting/FS_Agenda_2015_12Decv3.pdf)

[https://www.wright.edu/sites/default/files/uploads/2015/Dec/meeting/Select\\_Committee\\_on\\_Research\\_Initiatives\\_at\\_Wright\\_State.pdf](https://www.wright.edu/sites/default/files/uploads/2015/Dec/meeting/Select_Committee_on_Research_Initiatives_at_Wright_State.pdf)