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Research Committee of the University Senate 2011-2012 Annual Report, Associate Professor Yael Vodovotz, Chair

Research Committee Members and Service in fy12

Below you will find a table of summarizing the service of each of the Research Committee members in fy12. We met as a whole committee four times on 11/08/12, 01/09/12, 03/05/12 and 05/24/12.

NAME	TERM ENDS	SERVICE	ATTENDANCE ¹
Karen Hutzel	2014		11/08, 01/09
Laura Justice	2014		03/05
Rajiv Ramnath	2014	Subcom. 2	01/09, 03/05
Katrina Cornish	2014	Subcom. 1	11/08, 03/05
Yael Vodovotz	2013	Chair, Subcom. 1	11/08, 01/09, 03/05, 05/24
Prem Goel	2013		11/08, 01/09, 05/24
James Mulick	2013		11/08, 03/05
Joanne Turner	2013	Subcom. 2	11/08, 01/09, 03/05
Venkat Gopalan	2013		11/08, 01/09, 03/05, 05/24
Galal Walker	2013		01/09, 03/05
Brent Sohngren	2012	Subcom. 1	11/08, 01/09, 03/05, 05/24
Mark Wewers	2012		01/09, 03/05
Allie Sturm	2012		11/08, 03/05
Porsha Smith	2012		03/05
Tyler Siekmann	2012		11/08, 01/09
Harald Vaessin	2012	Subcom. 2	01/09, 03/05, 05/24
Caroline Whitacre		Subcom. 2	11/08, 01/09, 03/05, 05/24
Jan Weisenberger		Subcom. 1	11/08, 01/09, 03/05
Todd Guttman			11/08, 05/24
Pat Osmer			01/09, 03/05

¹ Date of Research Committee Meetings attended

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Changes to Committee Composition:

Thank you to those on the committee whose term is ending with this report:

Tyler Siekmann, Porsha Smith, Allie Sturm, Brent Sohngen, Mark Wewers

We welcome our new members and look forward to a productive year:

Megan Lisbeth Strang, Andrew D. Pucker, Harold Fisk and Kim Arcoleo

Below please find the minutes from our four meetings summarizing our activities. Please note that two subcommittees will continue their work in FY13 and will provide summaries to be included in the next annual report.

Minutes of the 11/08 meeting (120 Parker Food Science Bldg):

University Research Committee Members Present:

Yael Vodovotz (Chair), Katrina Cornish, Prem Goel, Venkat Gopalan, Karen Hutzal, James Mulick, Tyler Siekmann, Brent Sohngren, Allie Sturm, Joanne Turner

Office of Research Representatives Present:

Todd Guttman, Jan Weisenberger, Caroline Whitacre

Business during the month of October

- Ann Griffen, 2010/2011 Chair, organized an election of a new chair via email during the month of October. Dr. Yael Vodovotz, Associate Professor in the Department of Food Science and Technology was named the chair of URC for 2011/12.

Welcome of New Members

- Dr. Yael Vodovotz was introduced as the 2011/12 chair of URC followed by the self-introduction of each member.
- The role of the committee was briefly explained and the group was asked to bring items that they feel need addressed to future meetings.

New NIH Conflict of Interest Rules

- Todd Guttman provided an overview of the significant changes to the new Conflict of Interest Regulations. The changes he discussed with the group are listed in the attached handout. Todd mentioned that we are ahead of our peers in making these changes. He mentioned that the faculty are likely to hear a lot more about this process early next year.

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Office of Research Updates

- Caroline Whitacre discussed the State of Research Address that she presented earlier in the day.
- Following Dr. Whitacre's presentation, the winners of the three Innovator of the Year awards were announced. Dr. Whitacre provided information on each award winners:
 - Yebo Li, Early Career Innovator
 - Yasuko Rikihisha, Innovator of the Year
 - Christopher Jaworski, Student Innovator of the Year
- Dr. Whitacre also talked about the Research Expo that took place earlier in the day. There were over fifty exhibits present. She noted that November is research month, and that there would be training sessions, panels and information sessions throughout the rest of November.

Miscellaneous Updates

- The status of center reviews was discussed with the committee. There are 70 to 80 university-approved centers along with 200 small "c" college centers. Members of the URC and CAA have been involved with reviewing a few of the centers. Currently, colleges have been asked to review their list of centers. URC will examine the center-approval process throughout the year.
- Carol Deitrich and Kathy Starkoff are putting together a task force to address centralized data management. This task force will interface with URC. APLU and AAU are already examining this issue.
- Communication issues between the IRB and the Office of Sponsored Research (OSP) were discussed. **Dr. Vodovotz recommended forming a small committee to look at communication issues.** Dr. Whitacre relayed information to the group concerning some of the reasons there may not be the fast response time in communications lately with OSP. Along with a reduction in employees due to budget cuts, OSP just finished a very extensive NIH audit. This has taken a tremendous amount of time but after ten months OSU only need to pay back \$2100 compared to Duke which owed \$1.7 million.
- Joanne Turner commented that due to the current funding climate, there may be a large number of faculty that are unfunded and therefore unable to keep up with current research to remain competitive for future funding applications. She wanted to know if the University had plans to bridge those investigator so that they will be competitive moving. **Dr. Vodovotz would like three or four people to volunteer their time for**

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gathering information and providing recommendations to help ameliorate the situation.

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Minutes of 01/09 meeting (156 University Hall):

University Research Committee Members Present:

Yael Vodovotz (Chair), Prem Goel, Venkat Gopalan, Karen Hutzal, Rajiv Ramnath, Tyler Siekmann, Brent Sohngren, Joanne Turner, Harald Vaessin, Galal Walker, and Mark Wewers

Office of Research and Graduate School Representatives Present:

Jan Weisenberger, Caroline Whitacre and Pat Osmer

Office of Research Updates – Caroline Whitacre

- An upcoming event, NASA Future Forum, was announced. On 20th and 21st February, we will be honoring the 50th anniversary of Senator John Glenn's orbit in Friendship 7. NASA holds Future Forums on college campuses to communicate that NASA is here to stay despite budget cuts and termination of the space shuttle program.
- URC committee members were encouraged to respond to two separate surveys on research resources. The first survey is to identify library and information technology needs. The second is a research-computing survey concerning future computer and networking needs of university researchers.
- Caroline Whitacre provided an overview of the Industry Liaison Office. Led by Sharell Mikesell, three additional individuals have been hired since his arrival in 2008. This office facilitates industry connections with faculty.
 - College of Engineering: Dan Kramer and Bobbie Noe
 - College of FAES: Brian Kinnemon
 - College of Medicine: currently open
- The Third Frontier as we have known it has changed, so our strategy needs to change. It is not as much research and is now geared toward company entrepreneurship and commercialization. A Letter of Intent has been submitted for the Innovation Platform Program (previously known as the Wright Project).
- A National program, Star Metrics, has been developed due to interest in compiling productivity data. It was initiated by the NSF and was originally created to make reporting easier for stimulus funding.

Formation of Two Subcommittees – Yael Vodovotz

- As follow-up to the last URC meeting and the recommendation of forming a subcommittee to discuss communication issues between the IRB and the Office of

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Sponsored Research (OSP), Yael Vodovotz asked for volunteers. Brent Sohngren and Yael Vodovotz agreed to be on the committee. It was mentioned that Katrina Cornish might be interested and Jan Weisenberger offered to act as the Office of Research Liaison.

- The second subcommittee would be formed to look into the issues of grant funding. Rajiv Ramnath, Joanne Turner, and Harald Vaessin volunteered, and Caroline Whitacre offered to be the Office of Research liaison.

Miscellaneous Updates

- Pat Osmer gave updates on the Graduate School.
 - The Life Sciences Network (LSN) and Environmental Science Network (ESN) have been developed to bridge different research areas with common thematic interests and promote trans-disciplinary collaboration among students/faculty. He invited the URC members to read his blogs about these networks.
 - A commission has been created to study career pathways taken by graduate students. This commission will recommend ways to help graduate students move from graduate degree programs into careers.
 - Dean Osmer discussed two new dual institution degree graduate programs – with a single dissertation
 - International Studies
 - Translational Plant Science
 - Plan to attend the Hayes Graduate Research Forum on 24th February. This event is organized by students and features excellent research.
- The question was brought up about asking the registrar's office to grant exceptions to late registrations for students wanting to sign up to do research.

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Minutes of 03/05 meeting (156 University Hall):

University Research Committee Members Present:

Yael Vodovotz (Chair), Katrina Cornish, Venkat Gopalan, Laura Justice, James Mulick, Rajiv Ramnath, Porsha Smith, Brent Sohngren, Allie Sturm, Joanne Turner, Harald Vaessin, Galal Walker, and Mark Wewers

Office of Research and Graduate School Representatives Present:

Jan Weisenberger, Caroline Whitacre and Pat Osmer

Overview of Technology Commercialization Office – Brian Cummings

Brian Cummings provided an overview of the Technology Commercialization & Knowledge Transfer Office (TCO). Some of the roles of TCO include: increased revenue; examine inputs and outputs in commercialization quality; take a holistic approach; find ways to assist faculty, colleges, students and industry; create a service organization; overhaul office policies and procedures; create student programs and internships; increase commercial sponsored research; help find financial support during grant phase; provide support from idea to start-up. For more information stop by their new office at 1524 High Street or go to tco@osu.edu.

Preliminary Report from Two Subcommittees

- OSP/IMR Communication Issues: Brent Sohngren, Katrina Cornish Galal Walker and Yael Vodovotz (Jan Weisenberger is the Office of Research liaison). The group discussed their initial findings:
 - Different colleges handle situations differently.
 - The group thought it was important for someone from Humanities to join the subcommittee.
 - More funding is coming in but OSP staff members are unable to keep up with the workload.
 - Requested URC to send the subcommittee their concerns of what works and doesn't work, if there is a key person in their area to contact, let them know who it is.
 - The subcommittee is looking for proactive, constructive solutions.
 - The end point would be to provide some action items.
- Grant Funding: Rajiv Ramnath, Joanne Turner, and Harald Vaessin (Caroline Whitacre is the Office of Research liaison) The purpose of the group is to help faculty find funding streams. There were three main items discussed:
 1. How big is the problem: Anne Moffat is being asked to collect data from the past five years of funding to include: What percentage of the grants submitted are getting funded? Groups vs individuals and is that changing? What year might the professor be in (mid-class/mid-career/tenured)?

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2. Bridge funding: Ideas on how to bridge faculty funding between grants. Only about three colleges currently provide this. Bridge funding needs a more formal definition such as salary support for postdocs, animal costs, etc.
3. Look into diverse funding streams: Federal funding is harder to get. Research funding opportunities from industry, tuition dollars, commercialization, and international funding capabilities.

Requirements for PI Status, policy revision – Jan Weisenberger

Jan Weisenberger distributed the Principal Investigator Status Appointments guidelines. The document, written in 1975, is in need of updating. Jan requested the committee to email her their concerns.

Broadband Expansion to 100 GB and Implications for Research and Economic Development – Caroline Whitacre

Caroline Whitacre discussed the new 100 GB Network that the Governor announced at his State of State Address in February. Led by the Ohio Board of Regents and OARnet, it will increase the bandwidth from 10 GB to 100 GB. This will allow the ability to transfer complex data, about the size of 80 million file cabinets, in one day. It puts Ohio in a unique position. The Network will be centered at OARnet.

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Minutes of 05/24 meeting (385 Bricker Hall):

University Research Committee Members Present:

Yael Vodovotz (Chair), Prem Goel, Venkat Gopalan, Brent Sohngren, Harald Vaessin

Office of Research Representatives Present:

Caroline Whitacre, Todd Guttman

1. Election of University Research Committee Chair for Academic Year 2012/13

Election of 2012/13 chair was discussed. Yael Vodovotz requested a ballot sent to the URC members that weren't present. Yael expressed her interest in continuing as chair for another term. It was mentioned that it would be good for continuity to have the chair appointed to a second term.

2. Updates from Caroline Whitacre

Dr. Whitacre discussed a new initiative with Ohio State and Battelle. Mark Cottichia was hired as a consultant to pair up Ohio State and Battelle and find where similar collaborations exist. This will help when going after large funding opportunities. Dr. Whitacre distributed, and the group discussed, the report.

Dr. Whitacre provided an update on Ohio's 100 Gbps Network. Ohio will be going from 10 Gbps level of transferring data to 100 Gbps. Internet2 did a successful transcontinental test run of data. She mentioned phase one will be completed August 2012, phase two by December 2012.

Dr. Whitacre discussed the change in leadership of Campus Chemical Instrument Center (CCIC). The new director, starting in August, will be Vicki Wysocki. Doug Kniss will be working with Core Facilities.

3. Miscellaneous updates

Yael Vodovotz mentioned she is preparing the annual report and will distribute it to the URC members.