

**RESEARCH COUNCIL
REPORT TO FACULTY SENATE
FALL SEMESTER 2014**

Research and Sponsored Programs (RSP) Report

As reported by RSP, the total external funding for FY14 (period ending June 30, 2014) was \$85M, compared to \$90M for FY13. Basic and applied research funding increased in FY14 to \$41M, from \$35.8M in FY13. The total number of awards processed in FY 14 was 481, compared to 539 for FY13.

Numbers for October 2014 show total funding to date is \$25.5M, compared to \$35.8M this time last year. Of that amount, research funding totals \$9.8M, compared to \$11.2M last year. The total number of awards during this same time period is down by 50 compared to October 2013.

Professional Development and Research Initiation Grant Awards

A total of 46 applications were received for review. One primary and two secondary reviewers were assigned to each proposal. In addition, the Deans submitted rankings on proposals in their respective Colleges. Each College's designee and faculty representative provided comments on the strengths and weaknesses of their proposals. Final scoring was submitted for funding determination.

Official award results:

Research Initiation Awards			
PI	Project Title	College	Award Budget
DuVivier, Roxanne	Sexual Assault Climate Research Project	CEHS	\$9,800
Li, Sheng	Development of Physics-based Optical Flow Method for Blood Flow Velocity Measurement	CECS	\$11,700
Peters, Jeffrey	Population Genomics of Dabbling Ducks	COSM	\$20,000
Cubberley, Mark	Design, Synthesis and Self-Assembly of a Novel DNA Mimic	LAKE	\$17,600
Total Research Initiation:			\$59,100

Professional Development Awards			
PI	Project Title	College	Award Budget
Davis, Stephanie	Institutional Practices that Promote the Retention and Completion of International Students in Higher Education	CEHS	\$2,100
Ganapathy, Subhashini	Big Data Analysis Training – Cloudera: Using Pig, Hive and Impala with Hadoop	CECS	\$1,000
Halabi, Awad	Research in Jerusalem and Amman	COLA	\$1,500
Marchand, Jeannette	The Dorati Survey Project	COLA	\$3,000
Rante, Danielle	Fading Land: Collaborations with an Island	COLA	\$1,200
Winkler, Jonathan	Wiring the World: How the United States Built its Imperial Communication Network	COLA	\$1,000

Houpt, Joseph	New Working Memory Capacity Measures	COSM	\$3,000
Schiller, Shu	Harvard Leadership Program: Inner Strengths of Successful Education Leaders	RSCB	\$3,000
Warfield, Janeece	AF – CBT Training	SOPP	\$1,500
Total Professional Development:			\$17,300
Total Research Initiation and Professional Development Awards:			\$76,400

Defense Security Service (DSS) Briefing

Special Agent Perry Sandlin, Counterintelligence (CI) Division of the Detroit Field Office of the DSS, presented a briefing entitled “The Threat is Real” to Council members. The presentation covered several topics and various scenarios related to Counterintelligence. Mr. Sandlin also referred to the DSS publication, “Targeting U.S. Technologies: A Trend Analysis of Cleared Industry Reporting,” that is available at the agency site.

InfoEd Update

Council members were reminded of the importance of timely approval of proposals routed electronically in InfoEd. In the event that a reviewer is unable to access InfoEd because of an absence, a delegate (proxy) may be set up so that the InfoEd “in box” can be accessed by another approved party. Implementation of InfoEd modules, including the latest module for Clinical Trials, is progressing satisfactorily.

Wright State Research Institute (WSRI) Update

Dr. Jason Parker announced the hiring of Dr. Tim Broderick, the result of a successful joint recruitment effort between WSRI and the Boonshoft School of Medicine. In addition to being a surgeon, Dr. Broderick previously worked for the Defense Advanced Research Projects Agency (DARPA) where he was a program manager with oversight for multi-million dollar defense programs. With his experience, Dr. Broderick will help build the University’s research programs and work to engage faculty from all colleges/schools in this effort. Dr. Parker also reported that WSRI has been working diligently on two high volume AFRL proposals that would greatly enhance the relationship with researchers at the Base.

Clinical Trials Research Alliance (CTRA) Update

Dr. Arthur Pickoff announced that the CTRA has hired a Clinical Trials Manager. In addition, the CTRA gained membership by invitation from Vanderbilt University into the “ResearchMatch” database. This registered national database is partially funded by the National Institutes of Health (NIH) Clinical and Translational Science Award (CTSA) program and provides an avenue for the recruitment of patients for clinical trials. The CTRA is approximately two years old and has won approximately \$1.1M worth of contracts with sponsors, of which 85% are with the pharmaceutical industry. A \$1.4M contract growth is expected within the next few months. The CTRA is now a member of the Ohio Clinical Trials Cooperative Alliance which streams trials into the pipeline so that the CTRA will be in a position to distribute trials to the community. The CTRA is also branching out into oncology trials, which will be a large area of emphasis in the future.

Dr. Pickoff also announced that two BSOM translational research awards were made. The award to Dr. Dana Duren will support work on a FELS method and includes collaboration with the College of Engineering and Computer Science. Dr. John Perry and Dr. Adrian Corbett's award involves research on a protein marker and includes collaborations with the WSU Neuroscience Institute and the AFRL Advanced Proteomics.

National Center for Medical Readiness (NCMR)

Gen. Rufus Smith announced that the transfer of the ownership of the NCMR property to Wright State University was successfully completed on November 3, 2014. The staff members of NCMR continue to seek funding to upgrade the infrastructure of the facility. In addition, NCMR is partnering with Sinclair Community College on efforts related to unmanned air systems and is interested in reaching out to other faculty members in the Wright State community.

Technology Transfer

The second Technology Round-Table held on May 9, 2014, focused on identifying and supporting innovative and potentially commercializable research within Wright State. A panel of local business and technology leaders provided valuable feedback on the commercialization process to the eight Wright State participants, comprised of faculty, staff and students. The Dean of the Raj Soin College of Business and a representative from Advratech have already begun follow-up discussions with some of the participants.

Update on OMB Uniform Guidance and Federal Demonstration Partnership (FDP)

The Office of Management and Budget's effort to streamline the federal government's guidance on the management of federal grants at institutions like Wright State University has resulted in the reform known as the "Uniform Guidance." The implementation requires that institutions review and revise their policies to align with the Guidance. In response, Dr. Robert Fyffe has led the formation of a Steering Committee to include members of RSP and the Office of the Vice President for Business and Fiscal Affairs. As the deadline for implementation (December 26, 2014) approaches, the Task Force will grow to include representatives from other key units on campus to ensure that the University is fully in compliance.

As a significant step, Wright State was recently admitted as an emerging institution (less than \$50M in federal research expenditures) to the Federal Demonstration Partnership (FDP) as a full participating member. The Federal Demonstration Partnership is a cooperative initiative among ten federal agencies and 119 institutional recipients of federal funds. Established back in the 1980s, the FDP has been responsible for streamlining administrative terms and conditions associated with research grants and contracts. In addition to University administrative representation, the FDP membership requires faculty participation. Two active researchers, Dr. Josephine Wilson (Community Health) and Dr. Julian Gomez-Cambronero (Biochemistry and Molecular Biology) have agreed to serve as the University's faculty representatives. In addition,

Ms. Ellen Reinsch Frieze and Ms. Jackie Frederick, both of RSP, will regularly attend FDP meetings and potentially serve on FDP working groups.

Grantsmanship Opportunities

Announcements were made on the following:

- Grant Writers Seminars and Workshops
Seminar focused on NIH/NSF proposal submissions
Save the Date: Tuesday, March 24, 2015 (Berry Room/Nutter Center)
- Hanover Research Grantsmanship Webinar
Date to be announced (Spring semester 2015)
- Urban Venture Group (UVG)
“Optimizing Grant and Commercialization Revenue”
Date to be announced (Spring semester 2015)