

Office of Research and Graduate Studies

2014  **2015**

Annual Report

**University of Florida
College of Pharmacy**

Office of Research and Graduate Studies Staff

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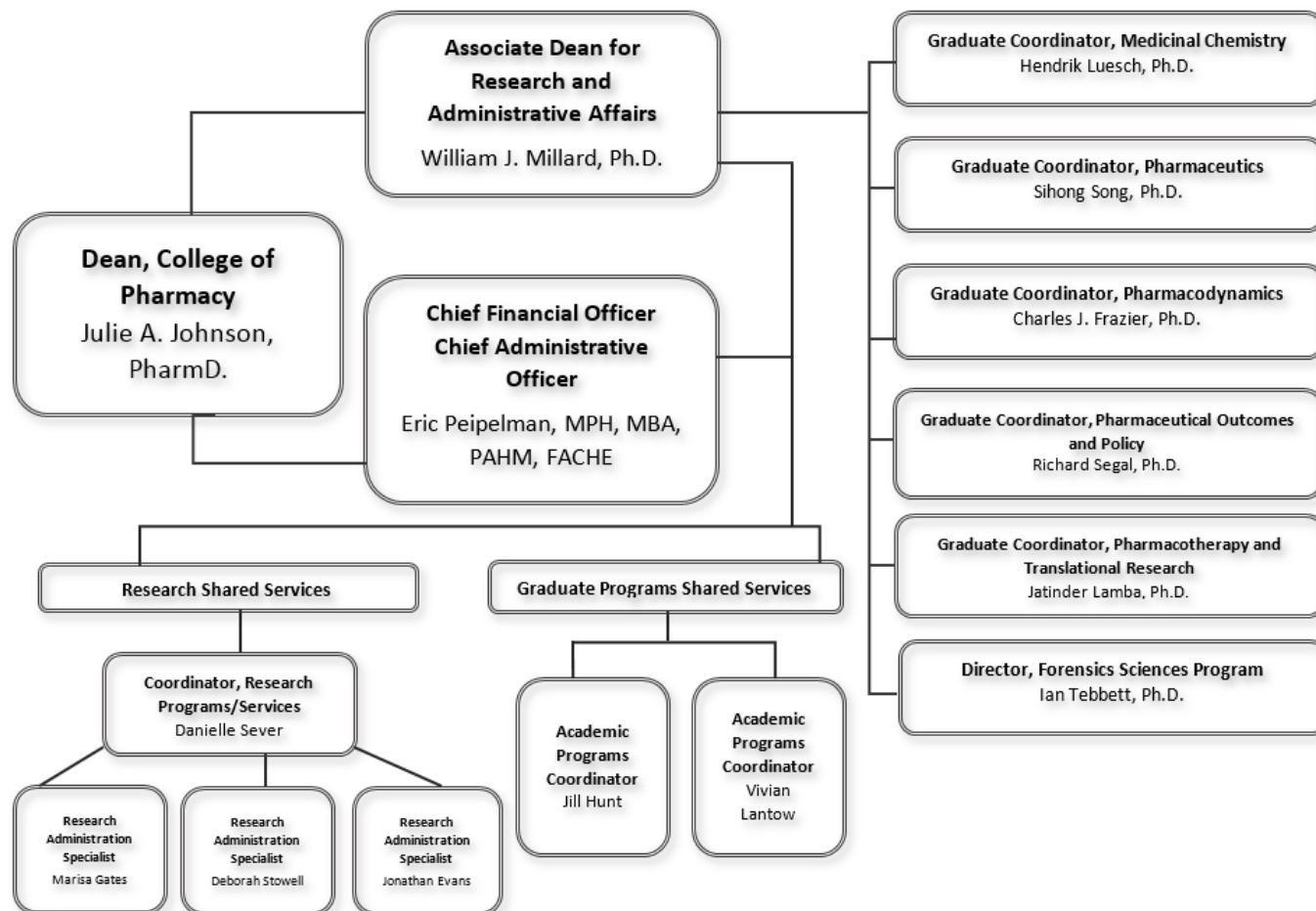
Introduction

The Office of Research and Graduate Studies (ORGS) was established in the College of Pharmacy (COP) in 1989 as the major unit within the College responsible for the oversight of all aspects of the graduate programs (M.S. and Ph.D.) as well as research activities. Within the purview of these two major activities are a number of functions that are coordinated by ORGS personnel and make up the daily operations of the office.

The structure of the ORGS is outlined in **Figure 1**. Dr. William J. Millard, Professor in the Department of Pharmacodynamics, accepted the role as Associate Dean for Research and Graduate Studies on an acting basis in January 1995, and then on a permanent basis in August 1997. On January 1, 1999, Dr. Millard accepted the permanent position as Executive Associate Dean for the College of Pharmacy and then on November 1, 2013 assumed a new title as the Associate Dean for Research and Administrative Affairs. This position continues to maintain oversight of the ORGS and reports all ORGS activities directly to the Dean of the College.

In August 2014, the College of Pharmacy underwent a restructuring process and implemented a shared services model to provide administrative support to the entire College. The goal of the College of Pharmacy's Shared Services Center is to increase faculty and staff support, allowing for greater staff coverage and the ability to shift resources to critical needs. Under the new model, staff working in research and with graduate studies are centralized, reporting to both the Associate Dean for Research and Administrative Affairs and to the Chief Financial Officer/Chief Administrative Officer Mr. Eric Peipelman, who joined the College of Pharmacy in June 2014.

Figure 1: Administrative Flow Chart for the ORGS



The Associate Dean for Research and Administrative Affairs is responsible for monitoring all graduate student applications, quality of graduate students and the progression of students through the graduate programs in the College. The Associate Dean's role also includes monitoring of the quality of graduate programs and seeking ways to expand or improve graduate education within the COP. The Associate Dean also acts as the major liaison between the Graduate School and the

Office of Research, Technology and Graduate Education (ORTGE) at the University of Florida and the COP faculty and graduate students.

Information concerning graduate programs and education within the COP is communicated from the Associate Dean to faculty or graduate students through the Departmental Chairs and Graduate Coordinators. The Graduate Studies Committee and COP Graduate Student Organization assist the Associate Dean in the responsibility of governing graduate education in the COP (see: **Graduate Education and Program Activities, Graduate Studies Committee Activities, College of Pharmacy Graduate Student Organization**).

Related to research activities, the Associate Dean has the major responsibility to see that faculty remain active in their individual research programs and to assist them in the grant or contract submission process. It is the Associate Dean's responsibility to ensure that all grants are submitted and logged through UF in the proper manner. This includes making sure that proper contractual arrangements and documentation are completed and that each contract or grant contain the proper faculty percent effort and salary offset dollars, as well as correct Facilities & Administrative (F&A) cost and graduate student support. The Associate Dean also sees that information relevant to research is communicated to the proper faculty or personnel within the COP.

The Associate Dean is assisted in the ORGS by two Shared Services Center departments, Research Shared Services and Graduate Programs Shared Services. The Research Shared Services department consists of 4 staff members and is led by Ms. Danielle Sevier, Coordinator, Research Programs/Services, who joined the team in February 2015. Ms. Deborah Stowell transitioned from the Grants Specialist into the role of a Research Administration Specialist, and is joined in the department by Ms. Marisa Gates and Mr. Jonathan Evans. The Graduate Programs Shared Services department consists of two Academic Programs Coordinators, Ms. Jill Hunt and Ms. Vivian Lantow. Each team provides service to the entire college by performing essential tasks such as the tracking and reporting of graduate information and students, tracking and filing of new research grants, monitoring of post-award activities, submitting needed reports to the College, University, and outside agencies, and coordinating various functions of the ORGS.

The remainder of this report will deal with COP Graduate Programs, COP Research Activity, U.S.-Thai Consortium Activities, Coordinated Functions and Other Activities of the ORGS.

Graduate Education and Program Activities

Graduate Programs in the College of Pharmacy

The College of Pharmacy offers both residential and online graduate programs. There is only one residential Ph.D. program administered through the College: *Ph.D. in Pharmaceutical Sciences*. Under the umbrella of the Ph.D. in Pharmaceutical Sciences (established in 1932) there are five *graduate specialty programs* that are recognized in the College of Pharmacy by the Graduate School. These graduate specialties are Medicinal Chemistry (recognized in 1978), Pharmacodynamics (recognized in 1989), Pharmaceutical Outcomes and Policy (recognized in 1996), Pharmaceutics (recognized in 1998), and the Clinical Pharmaceutical Science concentration under Pharmacotherapy & Translational Research (recognized in February 2012). This was a major milestone in our College as now each Department has their own graduate concentration under the Pharmaceutical Sciences umbrella.

Tied to each of the residential Ph.D. programs in the College is an associated Master of Science (M.S.) in the Pharmacy Program. The M.S. in Pharmacy in the Departments of Pharmaceutics and Pharmacodynamics requires each student to prepare and defend a thesis as part of their degree. Medicinal Chemistry, Pharmaceutical Outcomes and Policy and Pharmacotherapy & Translational Research have the option of a thesis or non-thesis M.S. degree. In general, residential graduate students are discouraged from entering directly into an M.S. in Pharmacy; instead, students are strongly encouraged to enter into one of the Ph.D. programs. However, students may opt for the M.S. degree in their discipline if they find that the Ph.D. degree is not what they desire after entering the program.

The College also offers a number of online programs leading to the M.S. degree. The University of Florida online [Forensic Science Program](#) has grown to become the largest graduate forensic program in the world with around a thousand enrollments each semester from some 40 different countries. Designed to meet the needs of working professionals, the program consists of three areas of concentration: DNA and Serology, Drug Chemistry, and Forensic Science. Within each concentration the program offers a Master's Degree or a Graduate Certificate. The program has received national recognition for excellence by the American Distance Education Consortium and the U.S. Distance Learning Association.

Sister programs in Pharmaceutical Chemistry and Clinical Toxicology were introduced in 2009 and 2011 respectively. The Pharmaceutical Chemistry program is primarily designed for those already employed, or seeking employment, in the pharmaceutical industry, while the Clinical Toxicology program appeals to emergency room and poison control center staff.

The Department of Pharmaceutical Outcomes and Policy offers an online [Master of Science in Pharmacy](#), program with a concentration in Pharmaceutical Outcomes and Policy and several specialty tracks: Applied Pharmacoeconomics, Clinical Research Regulation in Pharmacy, Drug Regulatory Affairs, Institutional Pharmacy Leadership, Patient Safety & Medication Risk Management, and Pharmacy Regulation & Policy. Because the program is open to students from all academic and

professional backgrounds, this unique Master's program serves as a career pathway for people both inside and outside the pharmacy industry to pursue careers with pharmaceutical companies, governmental agencies, professional associations, managed care and research organizations, benefits management companies, health systems and industry. Courses for this 30-credit program are held online in highly-interactive, live, virtual classrooms, and students are required to attend two or three weekend seminars and to take a final comprehensive exam on campus.

The online [Master of Science in Pharmacy with concentration in Medication Therapy Management](#) (MS-MTM) is a 33-credit degree program designed for working professionals who wish to continue their career while gaining the innovative patient care and business skills needed to become a leader in the field of medication therapy management. The MS-MTM program can be completed in as little as five semesters with only two visits to the campus in Gainesville, Florida. The challenging curriculum will prepare pharmacists for an advanced level of practice that involves medication therapy management and direct patient care.

Graduate Studies Committee (GSC) Activities

The primary goal for the GSC is to be a medium through which graduate and research programmatic goals are reviewed on a continual basis and aligned with the goals of the College and the University (*i.e.*, continuous quality improvement, CQI). The primary charge of the GSC is to review and make recommendations on graduate programs in the College of Pharmacy. This would include both new and existing graduate programs. The GSC is involved in considering how the College can attract/fund more graduate students with an emphasis on bringing in more U.S. students and professional (pharmacy) students. This committee is also involved in reviewing any future major mandate(s) from the Graduate School that may impact the functioning of the overall graduate program within the College (*i.e.*, stipends; tuition waivers). The committee continues to select finalists in the College's Spring Research Competition and also makes recommendations on how to improve this College function.

The makeup of the GSC includes a **graduate coordinator representative** from each of the departments and the **President of the COP Graduate Student Organization**. The Associate Dean for Research and Administrative Affairs serves as the non-voting chair, and the Dean as *ex-officio* member of the committee. The Academic Programs Coordinators from the Graduate Programs Shared Services Center sit in on all committee meetings and act as the recording secretaries. Representatives on the Committee were:

Non-voting Chair:	Dr. William Millard	Office of Research and Graduate Studies
Voting Members:	Dr. Hendrik Luesch	Medicinal Chemistry
	Dr. Jason Frazier	Pharmacodynamics
	Dr. Richard Segal	Pharmaceutical Outcomes and Policy
	Dr. Sihong Song	Pharmaceutics
	Dr. Jatinder Lamba	Pharmacotherapy & Translational Research
	Dr. Ian Tebbett	Forensic Science Program
	Dr. Juan Hincapie Castillo	President of COP Graduate Student Organization
Ex-officio Member:	Dr. Julie Johnson	Dean

The GSC met twelve times throughout the year. Some of the issues that were deliberated included:

- Selection of the FY 15/16 Grinter and Graduate School Fellowship Awardees
- Review of the use of Liberty Award monies for graduate students in each of the departments
- Use of State Line OPS monies for graduate student stipends
- Establishment of TA assignments for each of the semesters
- Continual review of graduate programs in each department
- Establishment of goals and objectives for each graduate program within the College
- Selection of finalists for the 28th Annual Research Showcase and Awards Recognition Day
- Organizing and executing the Board of Governor's Seven Year Program Review

2015 External Graduate Program Review

Graduate programs within the College underwent their first organized self-study with either external or internal review in 1993 and then again FY 2007-2008. In 2006-2007 the Florida Board of Governors mandated that all SUS Universities in

Florida conduct graduate program reviews every seven years to provide continuous quality improvement of all graduate programs. In following, this past academic year, the College of Pharmacy conducted their third external review of their graduate programs. Specifically, the College focused on a review of the Doctor of Philosophy degree and Masters of Science degree, the latter offered both residentially and online, under the overarching degree “Pharmaceutical Sciences.”

As the College of Pharmacy has many concentrations under this degree, the review was broken down by departments which focused on their particular specialty area. These reviews were then conducted in a three-fold method: an internal self-study, a study conducted by an external reviewer familiar with the program, and an overall review by an external review panel. Each department selected their own external reviewer who in turn also served as a member of the overall review panel.

Linda Orr, Graduate Program Coordinator, was asked to serve as the coordinator of the graduate program reviews. In this capacity, Ms. Orr established the program review timeline and was involved in preparing program surveys and self-study reports from each graduate concentration. The respective finalized departmental self-study reports were sent to the outside review teams in mid-April 2015 with dates in May established by the College for a site visit, where the entire review committee visited UF to conduct their two-day review. Reviewers were asked to submit their individual department report to the College and to the external committee chair, who also submitted a one page summary report by mid-June so that the College would be able to prepare and submit the final report for all graduate programs to University Administration and the State of Florida Board of Governors by July 15, 2015.

The **executive summary** of the College of Pharmacy Graduate program review is found below (see **Appendix D**).

Executive summary of the Graduate Program Review Spring 2015

This report includes the methodology, results, discussions and actions to be taken after the review of graduate programs in departments (Medicinal Chemistry, Pharmaceutics, Pharmacodynamics, Pharmacotherapy and Translational Research, and Pharmaceutical Outcomes & Policy) offering graduate (MS and PhD) degrees in the College of Pharmacy. To determine the strengths and weaknesses of our graduate programs, individual and independent self-study reports, which included surveys of current students and graduate faculty and graduate alumni from the last 10-12 years, were prepared by each department early in the spring 2015 semester. This was followed by a structured, external review conducted by a qualified reviewer from a peer institution for each departmental program during the Spring 2015 semester. In May, all external reviewers met as a group to meet with current student and faculty about each respective concentration, then produced a report including comments from all reviewers. Each department then utilized recommendations from the external review team summary reports to prepare plans for improvement of their individual graduate programs, and were given a chance to remark on the findings of the individual and overall review. Some common issues across all of the programs were noted. The recognized strength in all of the programs include knowledgeable faculty who are well respected and known throughout the scientific and academic community. Graduate numbers and alumni placement were noted as very good as well. Weaknesses included a paucity of interdisciplinary graduate courses and activities, as well as an incomplete tracking of and communication with graduate alumni. However, the two most significant concerns were (1) financial support for graduate students being significantly lower than comparator schools and (2) a loss of graduate faculty lines over the last few years.

College of Pharmacy Graduate Student Organization

The COP Graduate Student Organization (GSO) is an avenue by which graduate students can discuss common issues related to graduate education and bring their concerns to the attention of the Associate Dean for Research and Graduate Studies. The COP GSO elects a president on an annual basis. The president of the organization coordinates and runs the meetings (1-2 per year) and also sits in on the Graduate Studies Committee as a voice for the graduate students. **Dr. Juan Hincapie Castillo**, from the Department of Pharmaceutical Outcomes and Policy, served as president of the organization.

At the beginning of each fall semester, the ORGS sponsors a luncheon for COP graduate students to promote a forum for exchange of information between each other and the ORGS.

Graduate Faculty, Graduate Student, Post-doctoral Fellow, Visiting Scholar and Exchange Student Demographics

The College has 50 graduate faculty members who are closely involved in the training of all graduate students, post-doctoral fellows and visiting students and scholars. A complete listing of the college graduate faculty, by department, can be found in **Table 1**. The COP accepted 23 new students into the various Graduate Programs. A listing of all residential graduate students according to their department with their date of entrance into the graduate program, degree sought and mentor is found in **Table 2**. One hundred and two graduate students were engaged in residential studies leading to either the M.S. or Ph.D. degree this year. The COP graduated 7 Ph.D. students and 6 M.S. students (see: **Graduate Student**

Graduation Activities). In addition, 509 graduate students were pursuing a M.S. degree program by online education. Noteworthy, is that 127 (24.9%) of these students graduated this past academic year.

Table 3 outlines the overall demographics of the residential graduate student population within the COP. This year the number of male students compared to female students was a 50/50 percent male/female ratio. The college has a 26.5/73.5 percent American/Foreign student ratio as well. The percent of U.S. minority students was 4.9% (5 of 102) for FY 14/15. This is an increase from the previous year of 3.2% (3 of 94). Distribution of graduate students among the departments is illustrated in **Table 4**. This year the Department of Pharmaceutics had the highest number of students with 30; Pharmaceutical Outcomes and Policy had 27; Medicinal Chemistry had 24; Pharmacodynamics had 11; and Pharmacotherapy & Translational Research had 10 students pursuing graduate degrees. GPA and graduate program entrance test scores for both the entire population of the residential graduate students and the entering class of 14/15 are shown in **Table 5**.

For the sake of completeness, a listing by department of Post-doctoral Fellows and Visiting Scholars in the COP is illustrated in **Table 6** and a listing of Exchange Students is listed in **Table 10**. Noteworthy is that the COP Ph.D./M.S. graduate program had 1 student leave the graduate program during FY 14/15.

Table 1: Graduate Faculty

Department/Center	Faculty Name	
Medicinal Chemistry	Raymond Bergeron	Hendrik Luesch
	Yousong Ding	Xin (Cindy) Qi
	Oliver Grundmann	Kenneth Sloan
	Robert Huigens	Ian Tebbett
	Margaret James	Donna Wielbo
Pharmaceutics/Center for Drug Discovery & Center for Drug Interaction Research and Education	Hartmut Derendorf	Tony Palmieri
	Guenther Hochhaus	Stephan Schmidt
	Lawrence Lesko	Sihong Song
	William Mobley	Mirjam Trame
Pharmacodynamics	Jason Frazier	Bin Liu
	Michael Katovich	Michael Meldrum
	Maureen Keller-Wood	William Millard
	Eric Krause	Joanna Peris
Pharmaceutical Outcomes and Policy	Diane Beck	Haesuk Park
	Abraham Hartzema	Richard Segal
	Earlene Lipowski	Thomas Smith
	Robert Navarro	Almut Winterstein
	Folakemi Odedina	
Pharmacotherapy & Translational Research/ Center for Pharmacogenomics	Larisa Cavallari	Taimour Langae
	Rhonda Cooper-DeHoff	John Markowitz
	Reginald Frye	Sven Normann
	Leslie Hendeles	Charles Peloquin
	Julie Johnson	Caitrin Rowe
	Jatinder Lamba	Katie Vogel-Anderson
	Vishal Lamba	Karen Whalen
		Yan Whisler

Table 2: Graduate Students in Residential Programs

Department/Center	Name	Date Entered	Expected Grad Date	Degree Sought	Mentor
Medicinal Chemistry	Abouelhassan, Yasmeen	Aug. 13	Aug. 17	Ph.D.	Huigens
	Alawadhi, Fatma	Aug. 12	Aug. 16	Ph.D.	Luesch
	Alghamdi, Sahar*	Aug. 14	Aug. 18	Ph.D.	Huigens
	Bousquet, Michelle	Aug. 10	Aug. 15	Ph.D.	Luesch
	Cai, Weijing	Aug. 12	Aug. 16	Ph.D.	Luesch
	Cisneros, Katherine*	Aug. 14	Aug. 18	Ph.D.	Qi
	Felsing, Daniel	Aug. 11	May. 15	Ph.D.	Booth
	Garrison, Aaron	Aug. 13	Aug. 17	Ph.D.	Huigens
	Imperial, Lorelie*	Aug. 14	Aug. 18	Ph.D.	Luesch
	Jackson, Erin	Aug. 10	Aug. 15	Ph.D.	James
	Jiang, Guangde*	Aug. 14	Aug. 18	Ph.D.	James
	Liang, Xiao*	Aug. 14	Aug. 18	Ph.D.	Qi
	Luo, Danmeng	Aug. 13	Aug. 17	Ph.D.	Luesch
	Ma, Zhuofan**	Aug. 12	Aug. 14	M.S.	Qi
	McMillan, Brian*	Aug. 14	Aug. 18	Ph.D.	Luesch
	Norwood, Verrill (Chip)*	Aug. 14	Aug. 18	Ph.D.	Huigens
	Paciaroni, Nicholas	Aug. 13	Aug. 17	Ph.D.	Huigens
	Schultz, Michael**	Aug. 11	Aug. 14	M.S.	Sloan
	Smeltz, Marci	Aug. 12	May. 17	Ph.D.	James
	Thiele, Nikki	Aug. 11	Dec. 15	Ph.D.	Sloan
	Zhang, Peilan*	Aug. 14	Aug. 18	Ph.D.	Ding
	Zhang, Yi	Aug. 13	Aug. 17	Ph.D.	Qi
Zhong, Guo	Aug. 11	Dec. 16	Ph.D.	James	
Zuo, Ran	Aug. 13	Aug. 17	Ph.D.	Ding	
Pharmaceutics/ Center for Drug Discovery & Center for Drug Interaction Research and Education	Akbar, Mohammad	Jan. 10	Dec. 14	Ph.D.	Song
	Alalaiwe, Ahmed	Aug. 10	Dec. 14	Ph.D.	Frye
	Barth, Aline**	Aug. 10	Aug. 14	Ph.D.	Derendorf
	Bei, Di	Jan. 14	May. 17	Ph.D.	An
	Bhagwat, Sharvari	Aug. 11	May. 15	Ph.D.	Hochhaus
	Deitchman (Tucker), Amelia	Aug. 13	May. 17	Ph.D.	Derendorf
	Deng, Jiexin	Jan. 13	May. 17	Ph.D.	Deng
	Drescher, Stefanie*	Jan. 15	May 19	Ph.D.	Trame
	Falcao, Nivea Maria Simoes	Jan. 12	May. 16	Ph.D.	Derendorf
	Heinrichs, Marc	Jan. 14	Aug. 17	Ph.D.	Derendorf
	Jiang, Sibbo*	Aug. 14	Aug. 18	Ph.D.	Schmidt
	Kast, Johannes	Jan. 13	May. 17	Ph.D.	Derendorf
	Khaowroongrueng, Vipada	Jan. 14	Aug. 17	Ph.D.	Derendorf
	Kurumaddali, Abhinav*	Aug. 14	Aug. 18	Ph.D.	Hochhaus
	Liu, Xuan	Aug. 09	Aug. 15	M.S.	Palmieri
	Mangal, Naveen	Jan. 14	Aug. 17	Ph.D.	Schmidt
	Prasanchaimontri, Ing-orn	Aug. 12	May. 16	Ph.D.	Derendorf
	Ravula, Abhigyan	Aug. 13	May. 17	Ph.D.	Derendorf
	Samant, Snehal	Aug. 12	May. 16	Ph.D.	Schmidt
	Schilling, Uta	Aug. 13	May. 17	Ph.D.	Hochhaus
	Shao, Joy	Aug. 13	May. 17	Ph.D.	An
	Song, Xuyang**	June. 09	Aug. 14	Ph.D.	Derendorf
	Voelkner, Alexander	Aug. 12	May. 17	Ph.D.	Derendorf
	Waters, Chad	Jan. 09	May. 15	Ph.D.	Hochhaus
	Yu, Yichao	Aug. 13	May. 17	Ph.D.	Derendorf
	Yuan, Ye*	Aug. 14	May 19	Ph.D.	Song
	Zaidi, Syedsaoud	May. 13	May. 17	Ph.D.	Hochhaus
Zhao, Li	Aug. 12	May. 16	Ph.D.	Hochhaus	

Table 2: Graduate Students in Residential Programs (cont.)

Department/Center	Name	Date Entered	Expected Grad Date	Degree Sought	Mentor
Pharmaceutics/ Center for Drug Discovery & Center for Drug Interaction Research and Education	Zhou, Di	Jan. 11	Dec. 15	Ph.D.	Hochhaus
	Zhuang, Luning**	Jan. 11	Aug. 14	Ph.D.	Derendorf
Pharmacodynamics	Antolic, Andrew	Aug. 12	May. 17	Ph.D.	Keller-Wood
	Joseph, Serene*	Aug. 14	May 18	Ph.D.	Frazier
	Kelly, Kyle Blaine	Aug. 12	May. 17	Ph.D.	Frazier
	MacFadyen, Kaley Ann	Aug. 11	Aug. 16	Ph.D.	Peris
	Pati, Dipanwita	July. 10	Dec. 14	Ph.D.	Frazier
	Rathinasabapathy, Anandharajan	June. 09	Dec. 14	Ph.D.	Katovich
	Singhal, Sarthak Mohan*	Aug. 14	May 18	Ph.D.	Frazier
	Smith, Justin Andrew	Aug. 12	May. 17	Ph.D.	Krause
	Tan, Yalun*	Aug. 14	May 18	Ph.D.	Frazier
	Tikamdas, Rajiv Harish	July. 10	Dec. 14	Ph.D.	Liu
	Wang, Lei	Aug. 11	Aug. 16	Ph.D.	Krause
Pharmaceutical Outcomes and Policy/Center for Research in Pharmaceutical Care	Alalwan, Abdullah Abdulaziz	Aug. 13	Aug. 17	Ph.D.	Segal
	Alqhtani, Hussain*	Aug. 14	Aug. 18	Ph.D.	Odedina
	Alrwisan, Adel	Aug. 12	Aug. 16	Ph.D.	Winterstein
	Chen, Chao	Aug. 12	Aug. 16	Ph.D.	Hartzema
	Choi, YoonYoung	Aug. 13	Aug. 17	Ph.D.	Lipowski
	Dave, Chintan	Aug. 12	Aug. 16	Ph.D.	Hartzema
	Dawwas, Ghadeer	Aug. 13	Aug. 17	Ph.D.	Hartzema
	Doan, Justin	Aug. 13	Aug. 15	M.S.	Hartzema
	Hincapie Castillo, Juan	Aug. 13	Aug. 17	Ph.D.	Winterstein
	Jeon ,Nakyung	Aug. 12	Aug. 16	Ph.D.	Winterstein
	Jiang, Xinyi (Rose)*	Aug. 14	Aug. 18	M.S.	Park
	Kanakis, Soraya*	Aug. 14	Aug. 18	Ph.D.	Lipowski
	Kim, Ju-Hyeun (Elise)	Aug. 13	Aug. 17	Ph.D.	Winterstein
	Knox, Caitlin**	Aug. 09	Aug. 14	Ph.D.	Winterstein
	Li, Yan	Aug. 13	Aug. 17	Ph.D.	Park
	Liu, Wei**	Aug. 10	Aug. 14	Ph.D.	Winterstein
	Liu, Xinyue	Aug. 10	Dec. 14	Ph.D.	Winterstein
	Mansoor, Hend	Aug. 13	Aug. 15	Ph.D.	Hartzema
	Murimi, Irene	Aug. 10	Dec. 14	Ph.D.	Hartzema
	Ramkissoon, Rishi**	Aug. 12	Aug. 16	M.S.	Park/Segal
	Schelfhout, Jonathan**	Aug. 09	Aug. 14	Ph.D.	Hartzema
	Simpson, Donna**	Aug. 12	Aug. 16	M.S.	Hartzema
	Stojanovic, Danijela**	Aug. 10	Dec. 14	Ph.D.	Smith/Delaney
	van-Boemmel Wegmann, Sascha*	Aug. 14	Aug. 18	Ph.D.	Segal
	Wang, Wei	Aug. 13	Aug. 17	Ph.D.	Park
	Wang, Xi*	Aug. 14	Aug. 18	Ph.D.	Hartzema
	Zhu, Yanmin	Aug. 12	Aug. 16	Ph.D.	Winterstein
Pharmacotherapy & Translational Research	Albassam, Ahmed	Aug. 10	Aug. 15	Ph.D.	Frye
	Chang, Shin-Wen (Shirley)	Aug. 11	May 15	Ph.D.	Cooper-DeHoff
	de Oliveira, Felipe*	Aug. 14	May 18	Ph.D.	Cooper-DeHoff
	El Rouby, Nihal	Aug. 12	May 16	Ph.D.	Langae
	Kawaguchi, Marina	Aug. 10	Aug. 15	Ph.D.	Frye
	Magvanjav, Oyunbileg *	Aug. 14	May 18	Ph.D.	Johnson
	Sa, Ana Caroline Costa	May 13	May 16	Ph.D.	Johnson
	Shahin, Mohamed	Aug. 11	May 15	Ph.D.	Johnson
	Stockard, Bradley*	Aug. 14	May 18	Ph.D.	Langae
Sultan, Abdullah	Aug. 11	May 15	Ph.D.	Peloquin	

* new students entering a COP graduate program during FY 14/15

** students who graduated with an M.S. or Ph.D. during FY 14/15

Table 3: Graduate Student Demographics in Residential Programs

Gender		Citizenship					American Minority							
		US		Foreign		Black		Hispanic		Asian/Island Pacific		Indian/Alaskan		
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Total/%	102		27	26.5%	75	73.5%	1	0.9%	1	0.9%	3	2.9%	0	0.0%
Male	51	50%	15	29.4%	36	70.6%	0	0.0%	0	0.0%	2	3.9%	0	0.0%
Female	51	50%	12	23.5%	39	76.5%	1	1.9%	1	1.9%	1	1.9%	0	0.0%

Table 4: Residential Graduate Students, Fellows, Visiting Scholars and Exchange Students

Department/Center	Graduate Students	Post-doctoral Fellows	Visiting Scholars	Exchange Students
Medicinal Chemistry	24	5	4	1
Pharmaceutics	30	9	12	66
Pharmacodynamics	11	0	0	0
Pharmaceutical Outcomes and Policy	27	2	4	4
Pharmacotherapy & Translational Research	10	12	1	7
COLLEGE TOTAL	102	28	21	78

Table 5: GPA and Test Scores of Graduate Students in Residential Programs

Class	GPA	GRE			TOEFL	TSE
		Verbal	Quant.	Total		
COLLEGE TOTAL (102)*	3.56	152	158	309	98	N/A
FY 14/15 Class (23)	3.60	150	159	308	101	N/A

* numbers in parenthesis denote student population

Table 6: Post-doctoral Fellows and Visiting Scholars

Department/Center	Student Name	Mentor	Home Country
Medicinal Chemistry/Center for Natural Products Drug Discovery and Development	Hu, Zhiwei	James	China
	Fu, Junjie	Qi	China
	Jahn, Stephan	James	USA
	Kallifidas, Dimitrios	Luesch	Greece
	Khaybulin, Ravil	Qi	Russia
	Matthews, James	Luesch	New Zealand
	Sha, Yu	Ding	China
Pharmaceutical Outcomes and Policy	Soares de Azevedo, Marianglea	Luesch	Brazil
	Yang, Guang	Ding	China
	Rodrigues de Castilho, Selma	Segal	Brazil
	Adeyemi, Ayoade	Park	Nigeria
	Nguyen, Dan	Winterstein	USA
	Chhetri, Amrit	Winterstein	Nepal
	Weberpals, Janick	Winterstein	Germany
Pharmaceutics/Center for Pharmacometrics and Systems Pharmacology and Center for Drug Interaction Research and Education	Wang, Dongxiao	Winterstein	China
	Biliouris, Koustantinos	Trame	Greece
	Chen, Mongjen	Hochhaus	China
	Combes, Francois	Schmidt	France
	Kellermann Hurtado, Felipe	Schmidt	Brazil
Lagishetty, Chakradhar	Schmidt	India	

Table 6: Post-doctoral Fellows and Visiting Scholars (cont.)

Department/Center	Student Name	Mentor	Home Country
Pharmaceutics/Center for Pharmacometrics and Systems Pharmacology and Center for Drug Interaction Research and Education (cont.)	Meng, Zhaoyu	Lesko	China
	Ding, Yue	Derendorf	China
	Guo, Xin	Song	China
	Hartmann, Sonja	Trame	Germany
	Severino Martins, Frederico	Derendorf	Brazil
	Lancanova Moreira, Ana Paula	Derendorf	Brazil
	Nishimoto, Taiki	Derendorf	Japan
	Vozmediano Esteban, Valvenara	Derendorf	Spain
	Zhang, Kiwei	Derendorf	China
	Zimmerman, Estevan	Schmidt	Brazil
	Samant, Tanay	Lesko	India
Shaik, Jafar	Derendorf	India	
Pharmacotherapy & Translational Research/Center for Pharmacogenomics	Akanit, Uraiwan	Franklin	Thailand
	Green, Robert	McLin	USA
	Hamadeh, Issam	Johnson	Lebanon
	Carris, Nicholas	Gums	USA
	Weng, Liming	DeHoff	China
	Miller, Daryl	McLin	USA
	Chauhan, Lata	J. Lamba	India
	Nazarov, Victoria	Hall	USA
	Ramos, Miguel	Weitzel	Cuba
	Sierra, Johanna	Anderson	USA
	Ganesh, Omjoy	Schentrup	USA
	Knight, Michelle	Sando	USA
Abdelaziz, Shaimaa	Cavallari	Egypt	

PharmD/Ph.D. Students in Graduate Programs

The University of Florida, College of Pharmacy offers a [Joint Doctor of Pharmacy \(PharmD\) and Doctor of Philosophy \(Ph.D.\) Degree](#) program for qualified Doctor of Pharmacy students who are interested in accelerated graduate studies. The purpose of this program is to prepare clinically oriented pharmaceutical scientists. Through the selection of appropriate graduate level courses and attainment of research skills and experience through research clerkships, students in the Doctor of Pharmacy program can receive advanced standing in one of the graduate pharmaceutical science disciplines in the College of Pharmacy. The joint degree program enables students to attain both degrees within a time frame of approximately nine years of study from the beginning of college. This includes at least two years of pre-pharmacy studies, four years of professional education, and approximately three to four years of graduate studies.

With our summer research program expanding for our PharmD students and our college's research programs becoming more translational in nature, our PharmD students continue to be interested in the college's PharmD/Ph.D. program. We had a total of four students enrolled in the PharmD/Ph.D. joint degree program this year. One student is completing the Ph.D. portion of the program, and two students are currently finishing their PharmD and will enter the Ph.D. portion of the joint program next year. A complete listing of PharmD/Ph.D. students is listed in **Table 7**.

Table 7: PharmD/Ph.D. Students Engaged in COP Graduate Residential Programs

Student Name	Department/Program	Expected Graduation Year	
		PharmD	Ph.D.
Completing the Ph.D. Degree: Dr. Juan Hincapie-Castillo	Pharmaceutical Outcomes and Policy	2013	2017

Table 7: PharmD/Ph.D. Students Engaged in COP Graduate Residential Programs (cont.)			
Student Name	Department/Program	Expected Graduation Year	
		PharmD	Ph.D.
Completing the PharmD Degree:			
Ms. Gena Burch	Medicinal Chemistry	2016	2020
Mr. Ted Lee	Medicinal Chemistry	2016	2020

Graduate Student Recruitment Activities

With the reorganization of the College, the newly formed Graduate Shared Services department took over the majority of the recruiting duties in August 2014, partnering with departments whenever possible to attract a diverse applicant pool. Over the past year staff and faculty attended career fairs in the local area, presented and distributed recruitment materials at national and international conferences, and participated in an online virtual graduate school fair that attracted prospective applicants from around the country.

Whenever possible, requests for application materials that come directly to the departments are now forwarded to the Graduate Shared Service department. When applicants do not specify a graduate specialty in their letter of inquiry, a letter (see [Appendix A](#)) describing the individual graduate programs/specialties and identifying the graduate coordinators of each graduate specialty is sent to the applicant. In this letter, applicants are encouraged to access information from the COP home page on the Web.

Graduate student application activity for FY 14/15 for each of the departments is illustrated in **Table 8**. The College received 266 completed applications. Of the 266 completed applications, only 33 (or 162.4%) of the applicants were accepted, of which 19 students (or 57.5% of the potential students) will enter our graduate programs for FY 15/16.

Table 8: Departmental Graduate Student Recruitment Activity					
Department	# Completed Applications	# Applications Accepted	% Accepted	# Applicants Entered	% Entered
Medicinal Chemistry	68	6	8.8%	4	66.7%
Pharmaceutics	119	3	2.5%	2	66.7%
Pharmacodynamics	19	4	21.1%	3	75.0%
Pharmaceutical Outcomes and Policy	43	11	25.6%	5	45.5%
Pharmacotherapy & Trans. Research	17	9	52.9%	5	55.6%
COLLEGE TOTAL	266	33	12.4%	19	57.6%

Exchange Students in the College of Pharmacy

Each year many exchange students visit the COP for a 3-4 month period to help them develop in their research as part of the core curriculum from their home country. **Table 9** lists the 78 students hosted by the COP during this academic year.

Table 9: Exchange Students			
Department	Student Name	Mentor	Home Country
Pharmaceutics/ Center Pharmacometrics and Systems Pharmacology & Center for Drug Interaction Research and Education	Arnold, Thomas	Derendorf	Germany
	Avilan Avilan, Maria	Derendorf	Venezuela
	Bachmann, Dirk	Derendorf	Germany
	Backer, Daniel	Derendorf	Germany
	Barthel, Stephanie	Trame	Germany
	Brandl, Madeleine	Schmidt	Germany
	Boone, Rosalie	Derendorf	The Netherlands
	Carvalho de Costa, Juliana	Derendorf	Brazil
	Coffi Pereira, Carolina	Derendorf	Brazil
	Cortez Rojas, Diego	Hochhaus	Columbia
	De Jong, Daniel	Derendorf	The Netherlands
	Ding, Yue	Derendorf	China
	Dorn, Christoph	Derendorf	Germany
Dreier, Carolin	Derendorf	Germany	

Table 9: Exchange Students (cont.)

Department	Student Name	Mentor	Home Country
Pharmaceutics/ Center for Pharmacometrics and Systems Pharmacology & Center for Drug Interaction Research and Education (cont.)	Duc, Nam	Derendorf	Germany
	Faltlhauser, Rupert	Schmidt	Germany
	Franck, Sebastian	Derendorf	Germany
	Friedl, Antonie	Derendorf	Germany
	Ghandhi, Aakash	Derendorf	India
	Goez, Roman	Schmidt	Germany
	Hasenzahl, Meike	Derendorf	Germany
	Heider, Fabian	Derendorf	Germany
	Hermes, Juliane	Derendorf	Germany
	Hoffmeister, Theresa	Derendorf	Germany
	Jaekel, Sina	Derendorf	Germany
	Imhaeuser, Charlotte	Derendorf	Germany
	Ishak, Jasmin	Derendorf	Germany
	Isidro, Vitor	Derendorf	Brazil
	Kaltenbach, Emmanuelle	Derendorf	France
	Kapitz, Lena	Derendorf	Germany
	Keuth, Jacqueline	Derendorf	Germany
	Kramer, Susan	Derendorf	Germany
	Kranich, Hannah	Derendorf	Germany
	Kouчек Zadeh, Jenia	Schmitt	Germany
	Laqua, Laura	Derendorf	Germany
	Leininger, Julia	Schmidt	Germany
	Liebchen, Uwe	Derendorf	Germany
	Lira, Ana	Derendorf	Brazil
	Luttges, Katja	Schmidt	Germany
	Ma, Benjamin	Derendorf	Austria
	Mahlert, Laura	Derendorf	Germany
	Martins, Frederico	Derendorf	Brazil
	Miesler, Tobias	Derendorf	Germany
	Moreira, Ana	Derendorf	Brazil
	Mueller, Martin	Hochhaus	Germany
	Neubert, Elsa	Derendorf	Germany
	Nishimoto, Taiki	Derendorf	Japan
	Oliveira Vicentin, Juliana	Derendorf	Brazil
	Pereira Santos, Gustavo	Derendorf	Brazil
	Petzel, Robert	Schmidt	Germany
	Pirzer, Anna	Derendorf	Germany
	Reimann, Andreas	Derendorf	Germany
	Reimers, Tobias	Derendorf	Germany
	Sandner, Anna	Derendorf	Germany
Schaefer, Johanna	Schmidt	Germany	
Seiberth, Jasmin	Derendorf	Germany	
Seiberth, Sarah	Derendorf	Germany	
Soepper, Ulrike	Derendorf	Germany	
Stolze, Christina	Derendorf	Germany	
Troeltsch, Vicki	Schmidt	Germany	
Vozmediano Estaban, Valvanera	Derendorf	Spain	
Weberpals, Janick	Derendorf	Germany	
Weitzel, Johanna	Derendorf	Germany	
Zabela, Volha	Derendorf	Belarus	

Table 9: Exchange Students (cont.)

Department	Student Name	Mentor	Home Country
Pharmaceutics/ Center for Pharmacometrics and Systems Pharmacology & Center for Drug Interaction Research and Education (cont.)	Zhang, Kewei	Derendorf	China
	Zhoehner, Anna	Derendorf	Germany
Pharmaceutical Outcomes and Policy	Bourzeix, Maud	Winterstein	France
	Charpentier, Lea	Winterstein	France
	Bergmann, Lena	Winterstein	Germany
	Vu, Tracy	Winterstein	USA
Pharmacotherapy and Translational Research/Center for Pharmacogenomics	Kalil, Shaimaa F. Mohammed	Cavallari	Egypt
	Strum, Miram	Hall	Germany
	Laumann, Carolin	Hendeles	Germany
	Solayman, Mohamed Hassan Mohamed	Johnson	Egypt
	Abdel Motaal, Mohamed	Langae	Saudi Arabia
	Al Saikhan, Fahad	Langae	Saudi Arabia
	Eslami, Gohar	Markowitz	Iran
Medicinal Chemistry/ Center for Natural Products Drug Discovery and Development	Ismail, Tariq	Ding	Pakistan

Graduate Student Graduation Activities

During this academic year the COP had eight students finish their graduate program and earn a Ph.D. degree and six who earned a Master's degree. The following are the graduates according to commencement date.

Pharmaceutical Science Ph.D. Degrees Conferred

AUGUST 2014 (SUMMER COMMENCEMENT)

Name: **Dr. Aline Barth**
Dissertation Title: *Levofloxacin Dose Optimization for Multidrug-Resistant Tuberculosis Based on Lung Microdialysis in Patients*
Faculty Mentor: Dr. Hartmut Derendorf, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Pharmacy, Universidade Federal do Rio Grande do Sul; MS in Pharmacy at Universidade Federal do Rio Grande do Sul.

Dr. Barth assumed a position as a Senior Scientist at Merck & Co., Inc., West Point, Pennsylvania.

Name: **Dr. Caitlin Knox**
Dissertation Title: *The Comparative Safety of Anti-Diabetic Treatment in Pregnant Women with Pre-Existing Diabetes*
Faculty Mentor: Dr. Almut Winterstein, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S. in Food Science and Human Nutrition, University of Florida; Masters, Public Health (MPH) with a concentration in Epidemiology, University of Florida

Dr. Knox assumed a position as a Senior Research Analyst for HealthCore, Inc., Andover, Massachusetts.

Name: **Dr. Wei Liu**
Dissertation Title: *Phosphodiesterase Type 5 Inhibitors and Risk of Sudden Sensorineural Hearing Loss: a Post-Marketing Safety Study*
Faculty Mentor: Dr. Almut Winterstein, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: Bachelor of Medicine, Shanghai Medical University; M.S. in Epidemiology, Shanghai Medical University; M.S. in Epidemiology, Harvard School of Public Health

Dr. Liu assumed a position as an ORISE Fellow with the US Food and Drug Administration, Silver Springs, Maryland.

Name: **Dr. Jonathan Schelfhout**
Dissertation Title: *Comparative Safety and Effectiveness of Total Hip Arthroplasty Articulating Surfaces*
Faculty Mentor: Dr. Abraham Hartzema, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.A. in Economics, University of Florida; B.S. in Psychology, University of Florida

Dr. Schelfhout assumed a position as an Associate Director in US Health Outcomes Research at Merck & Co., Inc., Philadelphia, Pennsylvania.

Name: **Dr. Xuyang Song**
Dissertation Title: *Meta-Analysis of Sex Impact on Rheumatoid Arthritis Treatment Response with Biologics*
Faculty Mentor: Dr. Hartmut Derendorf, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Pharmaceutics Economics, Shenyang Pharmaceutical University

Dr. Song assumed a position as a clinical Pharmacokineticist at MedImmune/AstraZeneca, Gaithersburg, Maryland.

Name: **Dr. Luning Zhuang**
Dissertation Title: *Dose Optimization of Vertilmicin Using Pharmacokinetic/Pharmacodynamic Modeling and Simulation*
Faculty Mentor: Dr. Hartmut Derendorf, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Engineering, Tianjin University

Dr. Zhuang assumed a position as an ORISE Fellow with the US Food and Drug Administration, Silver Springs, Maryland.

MAY 2015 (SPRING COMMENCEMENT)

Name: **Dr. Danijela Stojanovic**
Dissertation Title: *Depression and Osteoporotic Fractures: Potential Pathways*
Faculty Mentor: Dr. W. Thomas Smith, Associate Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S. in Chemistry, The University of Texas at Tyler; PharmD, The University of Texas at Austin, College of Pharmacy

Dr. Stojanovic is currently looking for employment.

Name: **Dr. Di Zhou**
Dissertation Title: *Quantitative Characterization of Short-Acting Beta-2 Agonist (Saba) Treatment Effect in Asthmatic Patients*
Faculty Mentor: Dr. Guenther Hochhaus, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Applied Chemistry, Beihand University; M.S. in Chemistry, University of Florida; M.S. in Statistics, University of Florida

Dr. Zhou is currently looking for employment.

Pharmaceutical Science Master's Degrees Conferred

AUGUST 2014 (SUMMER COMMENCEMENT)

Name: **Mr. Zhuofan Ma**
Faculty Mentor: Dr. Xin Qi, Assistant Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Pharmacy, Fudan University

Mr. Ma assumed a position as a Clinical Trials Associate at Analgesic Solutions, Natick, Massachusetts.

Name: **Dr. Michael Schultz**
Faculty Mentor: Dr. Kenneth Sloan, Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Chemistry, University of Iowa

Dr. Schultz became a Fulbright Scholar at Max Planck Institute for Polymer Research prior to assuming a position as a Postdoctoral Scholar in the Division of Chemistry and Chemical Engineering at California Institute of Technology, Pasadena, California.

DECEMBER 2014 (FALL COMMENCEMENT)

Name: **Ms. Fatma Alawadhi**
Faculty Mentor: Dr. Hendrik Luesch, Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Pharmacy, Kuwait University

Ms. Alawadhi joined the Ph.D. program within the Department of Medicinal Chemistry, University of Florida.

Name: **Ms. Donna Rivera**
Faculty Mentor: Dr. Abraham Hartzema, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S.A.S in Public Health, University of South Florida; Pharm D., University of Florida

Ms. Rivera assumed a position as a Program Director in the Epidemiology and Genomics Research Program's Clinical and Translational Epidemiology Branch at the National Cancer Institute, Bethesda, Maryland.

MAY 2015 (SPRING COMMENCEMENT)

Name: **Ms. Justin Doan**
Faculty Mentor: Dr. Abraham Hartzema, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S. in Psychology, University of Florida; Masters, Public Health (MPH) with a concentration in Epidemiology and Biostatistics, University of South Florida

Mr. Doan continues his employment as an Associate Director in Oncology with Bristol-Myers Squibb, Wallingford, Connecticut.

Name: **Mr. Rishi Ramkissoon**
Faculty Mentor: Dr. Richard Segal, Professor/ Dr. Haesuk Park, Assistant Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S. in Pharmacy, Drake University; Masters, Business Administration (MBA), University of Tampa

Mr. Ramkissoon is currently employed as a Specialty Pharmacist with CVS/Caremark in Tampa, Florida.

Forensic Sciences Master's Degrees Conferred

This year in the Forensics Programs there were 509 students enrolled in one of the five Master's programs, Clinical Toxicology, DNA and Serology, Drug Chemistry, Forensic Science, Pharmaceutical Chemistry ; and 160 students enrolled in one of the six certificate programs, Clinical Toxicology, Death Investigation, DNA and Serology, Drug Chemistry, and Pharmaceutical Chemistry. Within the Master's programs there was a total of 127 students who graduated; 6 (4.7%) from the Clinical Toxicology program, 22 (17.3%) from the DNA and Serology program, 10 (7.9%) from the Drug Chemistry program, 61 (48%) from the Forensic Science program, 28 (22.1%) from the Pharmaceutical Chemistry program. Within the certificate programs there was a total of 55 students who received their certificate; 14 (12.7%) from the Clinical Toxicology program, 15 (27.3%) from the Death Investigation program, 17 (30.9%) from the DNA and Serology program, 9 (16.3%) from the Drug Chemistry program, and 7 (12.7%) from Pharmaceutical Chemistry program. Listed in **Table 10** are those students who have graduated with their Master's in one of the Forensic Sciences programs.

Table 10: Master's Graduates in the Forensic Sciences Program

Program	Name	
Summer 2014		
Clinical Toxicology	St Germain, Heather	
DNA and Serology	Aronson, Christina K	Lee, Lysa
	Hudman, Rachel	Maguire, Rebecca L
	Hurley, Christina	Sanchez, Mary Sharon V
	Johnson, Brian William	Warren, Emily Renee
Drug Chemistry	Beall, Vanessa M	Napier, Jeremy A
	Cicino, Jo-Ann	Schlueter, Phillip J
	Golla, Steven W	
Forensic Science	Albayrak, Eldem	Lopez-Couto, Carrie E
	Beaman, Jason W	Lund, Callie E
	Branson, Garrett David Isaac	Moyers, Amy J
	Cirioco, Jennifer T	Munyon, Morrell B, Jr
	Cullen, Timothy L	Peale, Darcie L
	Donovan, Lanae Marie	Sanders, Kristina
	Elias, Jany	Smith, Julie A
	Hall, Molly M	Swartz, Alicia
	Holzapfel, Victoria M	Whiteside, Jillien H
	Hornsby, Richard E	Zelewski, Allen T
Pharmaceutical Chemistry	Adedeji, Dolapo A	Carry, Eileen M
	Alickolli, Ina	Lucas, Trevor J
	Ammanoor, Gomadam Vijayanthi	Mcclellan, Michael B
	Cantera, Frances Marie	Wood, Tara Jensen
	Carlin, Dana L	
Fall 2014		
Clinical Toxicology	Baber, Alfred P	Vaka, Flamur
DNA and Serology	Baker, Deana R	Kearney, Veronica A
	Blackmon, Kristina R	Kines, Julie P
	Burnside, Shawn C	Langlois-Horkey, Shannon
	Coovadia, Adam	Maloy, Halley J
	Dutra, Adam R	Mccall, Rebecca E
	Hagen, Linnea Gwendy	
Drug Chemistry	Benner, Danielle N	Pearring, Sue-Lan
	Damian, Kristin A	Warner, Marcus L
Forensic Science	Astarita, Denis C	Neuman, Kayla M
	Cox, Mariama A	Orozco, Karla B
	De Apodaca, Marilyn F	Paibul, Jennifer
	Johnson, Tennille E	Palmer, Madison L
	Layton, Jessica	Rairden, Alicia R
	Lewitt, Lauren Leigh	Smith, Kenneth
	Murphy, Patrick J	Swain, James E
Pharmaceutical Chemistry	Barnes, Vekarious	Leblanc, Jacques M
	Cherkis, Christopher B	Morgan, Timothy G
	Coleman, Christopher	Okereke, Rita
	Cusick, Sabrina M	Semerzier, Carlo
	Drake-Studstill, Margaret	Smith, Mary B
	Hoodbhoy, Salim	Strevig, April M
	Karlesky, Andrew W	Troupe, Latoya C

Table 10: Master's Graduates in the Forensic Sciences Program (cont.)		
Program	Name	
Spring 2015		
Clinical Toxicology	Bare, Christopher L	Morris, Jessie L
	Cole, Anthony J	
DNA and Serology	Espino, Melissa	Murphy, Mary E
	Mcguire, Patrick C	
Drug Chemistry	Christensen, Jeannine M	
Forensic Science	Ashford, Kimika S	Maddox, Britta C
	Bennett, Allison K	Mikesh, Brianne F
	Billon, Natacha	Montonera, Michelle S
	Calvert, Lee Ann M	Moore, Ashley S
	Chan, Kimberly	Parker, Sherry
	Eliopulos, Lindsay M	Pavia, Rebekah Faith
	Freeze, Rebecca E	Peterson, Shaune A
	Green, Paige E	Racicot, Doree Lena
	Grzybowski, Nerissa W	Sanchez-Cuprill, Rhaisa A
	Hamill, Barbara T	Schultz, Vernon P
	Iagulli, Heather Nicole	Teeters-Kennedy, Shannon M
	Keller, Kathleen C	Tillapaugh, Kimberly M
	Khan, Faraz A	Weigand, Amanda J
	Losciale, Amy N	
Pharmaceutical Chemistry	Ayube, Shawn J	Santos, Vanessa R
	Brooks, Daniel P	Verburg, John M
	Ingle, Prashant D	

Pharmacy Regulations and Policy Master's Degrees Conferred

This year in the Pharmacy Regulation and Policy Program there were 125 students enrolled in one of the six programs offered; Applied Pharmacoeconomics, Clinical Research Regulations in Pharmacy, Drug Regulatory Affairs, Institutional Pharmacy Leadership, Patient Safety & Risk Management, and Pharmacy Regulations and Policy. Within the Master's programs there was a total of 50 students who graduated; 17 (34%) from the Applied Pharmacoeconomics program, 7 (14%) from the Clinical Research Regulations in Pharmacy program, 3 (6%) from the Drug Regulatory Affairs program, 2 (4%) from the Patient Safety & Risk Management program, 6 (12%) from the Patient Safety in Medication Use program, 4 (8%) from the Institutional Pharmacy Leadership program, and 11 (22%) from the Pharmacy Regulations and Policy program. Listed in **Table 11** are those students who have graduated with their Master's in one of the Pharmacy Regulations and Policy programs.

Table 11: Master's Graduates in the Pharmaceutical Outcomes and Policy Program		
Program	Name	
Summer 2014		
Applied Pharmacoeconomics	Mize, Amy	Reyes, Ivonne
Clinical Research Regulations in Pharmacy	Charles, Elsworth	Johnson, Rachel
	Pettiford, Leslie	Zuniga, Cristina
Drug Regulatory Affairs	Mickleborough, Daniel	

Table 11: Master's Graduates in the Pharmaceutical Outcomes and Policy Program (cont)

Program	Name	
Institutional Pharmacy Leadership	Jenkins, Kenneth Mcelhiney, Linda	Johnson, Jamie
Patient Safety in Medication Use	Banks, David Groesch, Alisa Straube, Jon	Bush, Gina Harriott, Itzel
Pharmacy Regulations and Policy	Beets, Christopher Smith, Terry	Haag, George
Fall 2014		
Applied Pharmacoeconomics	Palisoc, J Raymond	Tanner, Robert W
Patient Safety in Medication Use	Hall, Cynthia	
Patient Safety and Risk Management	Bartenslager, Ruth J	Feldott, Carly C
Pharmacy Regulations and Policy	Brooks, Marta Jean Lacey, Ronda H	Jackson ,Devaughn L Saunders, Christine C
Spring 2015		
Applied Pharmacoeconomics	Adams, Sheena Arnhart, Thomas Harvey, Alfred Kolkin, Steven Popelar, Breanna Scott, Jason Wong, Ling	Alvarez, Paula Fan, Linyi Knight, Jasmine Patterson, Marcus Roche, Talia Szabo, Erika
Clinical Research Regulations and Ethics	Hawkins, Kyle Sylvestre, Philona	Johnson, Cristina
Drug Regulatory Affairs	Gropp, Danielle	Reynolds, Joseph
Institutional Pharmacy Leadership	Wolfschlag, Robynn	
Patient Safety and Risk Management		
Pharmacy Regulations and Policy	Donnelly, Todd Higdon, Jennifer	Oluwa, Fabiyi Regalado, Lisa

Medication Therapy Management Master's Degrees Conferred

This year in the Medication Therapy Management Program there were 64 students enrolled, of which 16 students graduated with their M.S. Listed in **Table 12** are those students have graduated with their Master's.

Table 12: Master's Graduates in the Medication Therapy Management Program

Summer 2014	
Adamich,Lisa A	Madden,Josie M
Enriquez Zamalloa,Alejandro A	Mohney,Cathlene M
Gialanella,Henry J	Stefancik,Ellen M
Ho,Yeshiu B	Trierweiler,Sandra K
Hoff,Kimberly	
Fall 2014	
Crowley,Amber E	Vamplew,Joanna M
Laido,Dawn K	

Table 12: Master's Graduates in the Medication Therapy Management Program con't**Spring 2015**

Akindoju,Bolaji A	Russell,Gregory S
Daniel,Marsha J	Zardetto-Smith,Andrea M

Graduate Student Funding and Awards

Awardees are recommended to the Graduate Studies Committee or the Associate Dean for Research and Administrative Affairs by their respective graduate coordinator or departmental chair. Based on the student's academic credentials and letters of support, awardees are selected by the Associate Dean in discussion with the Graduate Studies Committee.

The COP carried the major load of the funding of graduate student stipends by supporting 66 graduate student stipends; fourteen students received support from extramural research grants; fourteen students were funded by their home government; and eight students funded their own graduate education this year. Nine students received Grinter Awards as a supplement to their state funding. Graduate stipends ranged from \$14,000 to \$26,100 with an average overall stipend of \$19,050.

Nine graduate student fellowship proposals totaling \$204,000 were submitted to extramural sources this year. Agencies to which proposals were submitted were the American Foundation for Pharmaceutical Education (AFPE), American Heart Association (AHA), and the Pharmaceutical Research and Manufacturers Association (PhRMA).

Graduate School Fellowship

Beginning Fall Semester 1999, the University of Florida offered the *Graduate School Fellowship* program with the express interest of increasing graduate enrollment and attracting high quality students to each graduate program at the University. This fellowship represents the highest graduate student award available at the University and is funded at nationally competitive levels starting at \$25,000/year for four years plus all tuition remuneration, and full health insurance coverage. The College of Pharmacy received four additional *Graduate School Fellowships*. The recipients of the *Graduate School Fellowships* are:

Serene Joseph	Pharmacodynamics	FY 14/15
Verrill Norwood	Medicinal Chemistry	FY 14/15
Amir Sarayani Bafghi	Pharmaceutical Outcomes and Policy	FY 14/15
Bradley Stockard	Pharmacotherapy and Translational Research	FY 14/15
Aaron Garrison	Medicinal Chemistry	FY 13/14
YoonYoung Choi	Pharmaceutical Outcomes and Policy	FY 13/14
Ghadeer Dawwas	Pharmaceutical Outcomes and Policy	FY 13/14
Yan Li	Pharmaceutical Outcomes and Policy	FY 13/14
Chao Chen	Pharmaceutical Outcomes and Policy	FY 12/13
Justin Smith	Pharmacodynamics	FY 12/13
Samant Snehal	Pharmaceutics	FY 12/13
Guanming Chen	Pharmaceutics	FY 11/12
Daniel Felsing	Medicinal Chemistry	FY 11/12
Tom Seto	Pharmaceutical Outcomes and Policy	FY 11/12
Mohamed Shahin	Pharmacotherapy & Translational Research	FY 11/12
Lei Wang	Pharmacodynamics	FY 11/12
Michelle Bousquet	Medicinal Chemistry	FY 10/11
Marina Kawaguchi	Pharmacotherapy & Translational Research	FY 10/11
Irene Murimi	Pharmaceutical Outcomes and Policy	FY 10/11
Dipanwita Pati	Pharmacodynamics	FY 10/11
Sherwin Sy	Pharmaceutics	FY 10/11

DuBow Fellowship

The *Lawrence J. DuBow Fellowship* is awarded to a graduate student to support their research and education in the Department of Pharmaceutical Outcomes and Policy. The awardee must focus his or her research on pharmaceutical outcomes and policy in pediatric populations. The award covers stipend and tuition to allow the awardee full focus on research activities. The awardee is selected by the faculty in Pharmaceutical Outcomes and Policy. The recipient of the *DuBow Fellowship* is:

Yanmin Zhu	Pharmaceutical Outcomes and Policy	FY 14/15
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Grinter Awards

Originated in 1988, the intent of the *Grinter Awards* program was to serve as a mechanism to recruit graduate students with outstanding academic credentials into one of the College's graduate programs. These awards come from monies allocated from ORTGE on a college-by-college basis and supplement our existing state stipends, an additional \$2,500 per year for a maximum of 3 years (\$7,500 total award). A statistical summary of the *Grinter Awards* in the COP is illustrated in **Table 13**. Overall, we have had a 70.6% acceptance of *Grinter Awards* by prospective students. Sixty-eight percent of the COP Grinter Awardees have graduated from the COP program with either a Ph.D. or M.S. degree. The overall average GPA for the Grinter Awardees is 3.53 with a GRE of 311 and a TOEFL of 104.

Table 13: Statistical Summary of the Grinter Program – 1988 to Present			
Statistic	Overall	%	14/15 Class
Total number offered	133		3
Total number accepted	94	70.6%	3
Total number graduated	64	68.0%	
Total number still enrolled: past & present	16	17.0%	
Number of active awardees	9	9.5%	3
Grade Point Average (GPA)	3.53		3.61
Graduate Record Exam -GRE (Verbal + Quant.)	311		305
Test of English as a Foreign Language (TOEFL)	104		85

This year the COP offered 3 new *Grinter Awards*. The recipients of the *Grinter Awards* are:

Jeremy Coleman	Medicinal Chemistry	FY 15/16
Li, Wen-Yi	Pharmacotherapy and Translational Research	FY 15/16
Spencer, Kara	Medicinal Chemistry	FY 15/16
Xiao Liang	Medicinal Chemistry	FY 14/15
Oyunbileg Magvanjav	Pharmacotherapy and Translational Research	FY 14/15
Xi Wang	Pharmaceutical Outcomes and Policy	FY 14/15
Uta Schilling	Pharmaceutics	FY 13/14
Amelia Tucker	Pharmaceutics	FY 13/14
Wei Wang	Pharmaceutical Outcomes and Policy	FY 13/14

28th Annual Research Showcase and Awards Recognition Day

A number of graduate students, post-doctoral fellows and professional students received cash awards and commemorative plaques for participating in the COP “**Annual Research Showcase and Awards Recognition Day**”. The specifics of this daylong event and the award winners are listed in **ORGS Coordinated Events for the COP**.

Graduate Student Awards and Recognitions

Juan Hincapie Castillo, a graduate student in the Department of Pharmaceutical Outcome and Policy working under Dr. Almut Winterstein, was selected as a 2015 Graduate Student Fellow by the *American Association of Hispanics in Higher Education (AAHHE)*. The fellowship provided funding to attend the AAHHE Graduate Student Fellow Program at its 2015 national conference where he presented his research at the Graduate Research Symposium. Juan is the second Florida student and the first from UF to receive this fellowship.

Guo Zhong, a graduate student in the Department of Medicinal Chemistry working under Dr. Margaret James, was awarded free registration and full travel costs to the 19th North American meeting of the International Society for the Study of Xenobiotics, San Francisco, October 19-23, 2014. Ms. Zhong's abstract was selected for oral presentation.

Erin Jackson, a graduate student in the Department of Medicinal Chemistry working under Dr. Margaret James, was awarded free registration and full travel costs to attend the 8th biennial PCB workshop in Woods Hole, MA. October 5-9, 2014.

Professional Student Awards and Recognitions

Christina Beatty, a professional student at the St. Petersburg campus, received recognition in the form of an email to Dean Julie A. Johnson from Thomas E. Menighan, PPhA, Executive Vice President and CEP of American Pharmacists Association for her guest column in the Space Coast Daily news titled "*Pharmacists Are Integral Member of Healthcare Team*" in August, 2015.

Renad Abu-Sawwa, a professional student at the Gainesville campus, earned the **Extraordinary Student Volunteer Award** at the 2015 UF Impact Awards. The award recognizes a student who has been consistently dedicated to serving the University of Florida and the Gainesville community during the past year. Abu-Sawwa works with a local not-for-profit organization Muslim Care Clinic, which opened a pharmacy department in March 2014.

John Leonard, a professional student at the Gainesville campus, was a **featured speaker** at UF Health's unveiling of its new strategic plan, The Power of Together, held in May 2015.

International Student Academic Awards

At the International Student Academic Awards Ceremony held November 17, 2014 in the Reitz Union Ballroom, five of the College of Pharmacy's international graduate students received a certificate award for outstanding academic accomplishment. The recipients of the *International Student Awards* are:

Abdullah Alsultan Sharvari Bhagwat Irene Murimi Fatma Al-Awadhi Dipanwita Pati	Pharmacotherapy & Translational Research Pharmaceutics Pharmaceutical Outcomes and Policy Medicinal Chemistry Pharmacodynamics
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Graduate Minority Activities

The ORGS has continued to work with the Graduate School's Office of Graduate Minority Programs (OGMP) in recruiting minority students into the College's graduate programs. The ORGS filters information down to individual departments concerning funding opportunities for both graduate minority students as well as undergraduate minority students interested in a research career.

Names of interested minority students were passed on to the respective departmental chairs or graduate coordinators by Dr. Michael McKenzie, Associate Dean for Professional Affairs, following his various recruiting trips to colleges for our professional program. Each Department then follows up with a letter and application packet to the student(s) outlining their respective graduate program and its objectives.

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Research Activities in the College of Pharmacy

Grant and Contract Efforts and Funding

Pharmaceutical research continues to be a major effort within the College of Pharmacy at the University of Florida. According to the American Association of Colleges of Pharmacy (AACP) annual listing of Colleges of Pharmacy and their placement relative to Schools of Pharmacy engaged in active pharmaceutical research, the University of Florida was ranked 24th this past year out of 84 schools with research programs as seen in **Table 14**. These placements are based solely on fiscal year NIH funding (October to September of a given year).

Table 14: AACP Statistics for NIH Funding					
NIH Fiscal Year	NIH Support	Rank	FTE Ph.D.'s	NIH Support/ FTE- Ph.D.	Rank
2010	\$6,849,361	18	37	\$185,118	22
2011	\$7,399,403	18	15*	\$493,294*	08*
2012	\$6,459,730	18	13	\$496,902	17
2013	\$6,351,715	18	10	\$635,172	9
2014	\$5,544,167	24	11	\$504,015	20

* beginning in FY 2011 the AACP reports the number of funded Principal Investigators.

Our faculty members continue to be productive and are making efforts to obtain more extramural support for their individual research efforts. During this year the ORGS processed a total of 173 extramural grant or contract applications from the five Departments for a total of \$93,752,066 in **new** grant dollars, see **Table 15**. This is a 17.6% increase in total dollars requested when compared to FY 13/14, see **Table 16**. The majority of new proposals (83.8%) within the COP are proposals in which the Principal Investigator (PI) is a faculty member within the COP (**Tables 15 and 16**). Research faculty members are also encouraged to collaborate with other units within the University. Sixteen percent of grants submitted were originated outside of the College of Pharmacy.

Table 17 shows total extramural research dollars brought into the College over the last five fiscal years (from July to June of a given fiscal year). This year our research funding dollars totaled \$12,440,861 with 130 individual awards coming into the College of Pharmacy.

During FY 14/15 departmental comparisons show that Pharmacotherapy & Translational Research brought in the highest total of research dollars within the COP at 44.25% (\$5,505,036). Pharmaceuticals was second at 22.29% (\$2,773,540); Medicinal Chemistry was third at 14.77% (\$1,837,356); followed by Pharmacodynamics at 10.81% (\$1,345,158); and Pharmaceutical Outcomes and Policy at 7.88% (\$979,770).

TOTAL EXTRAMURAL FUNDING to the COP is illustrated in **Table 18**. Total extramural support includes not only **RESEARCH** funds (also found in **Table 17**) but also those **ADMINISTRATIVE** funds that included support for educational training activities. This year there were no additional **ADMINISTRATIVE** funds. Overall, **Total Extramural Funding** had an increase of 2.29% from FY 14/15 (**Tables 18 and 19**).

Table 15: Proposal Processing Summary

Department	Inside the College	Outside the College	Total
College Total			
# Proposals	145	28	173
Total Amount	\$88,355,863	\$3,396,203	\$93,752,066
Medicinal Chemistry			
# Proposals	45	8	53
Total Amount	\$26,190,638	\$2,553,889	\$28,744,527
Pharmaceutics			
# Proposals	27	0	27
Total Amount	\$9,125,330	\$0	\$9,125,330
Pharmacodynamics			
# Proposals	15	8	23
Total Amount	\$12,204,896	\$1,330,135	\$13,535,031
Pharm. Outcomes & Policy			
# Proposals	16	0	16
Total Amount	\$3,779,782	\$0	\$3,779,782
Pharm. & Translational Research			
# Proposals	42	12	54
Total Amount	\$37,055,217	\$1,512,179	\$38,567,396

Inside the College = PI was a COP faculty member; Outside the College = PI was outside the COP; COP personnel were co-investigators

Table 16: Proposal Processing Comparison

Fiscal Year	Inside the College	Outside the College	Total
FY 13/14			
# proposals	132	26	158
Total Amount	\$76,405,293	\$3,3123,180	\$79,717,473
FY 14/15			
# proposals	145	28	173
Total Amount	\$88,355,863	\$5,396,203	\$93,752,066

Inside the College = PI was a COP faculty member; Outside the College = PI was outside the COP; COP personnel were co-investigators

Table 17: Extramural Research Dollars - FY 10/11 to FY 14/15

Department	10/11	11/12	12/13	13/14	14/15	Average 10/11 - 14/15	% of Total 14/15
COLLEGE TOTAL	\$10,621,827	\$8,983,763	\$9,380,749	\$12,162,144	\$12,440,861	\$10,717,869	100.00%
F&A	\$2,374,018	\$1,688,991	\$1,802,312	\$2,552,127	\$2,853,321	\$2,254,154	100.00%
# grants	99	99	102	119	130.0	110	
%F&A	28.8%	23.2%	23.8%	26.6%	29.8%	26.4%	
Medicinal Chemistry	\$2,685,604	\$1,501,112	\$2,229,065	\$2,642,235	\$1,837,356	\$2,179,075	14.77%
F&A	\$539,078	\$338,066	\$544,804	\$683,146	\$471,712.34	\$515,361	16.53%
# grants	12	10	16	14	12.0	13	
%F&A	25.1%	29.1%	32.3%	34.9%	34.5%	31.2%	
Pharmaceutics	\$1,327,201	\$787,275	\$1,048,137	\$2,777,028	\$2,773,540	\$1,742,636	22.29%
F&A	\$298,882	\$115,211	\$169,177	\$485,327	\$651,290	\$343,977	22.83%
# grants	14	13	22	21	25	19	
%F&A	29.1%	17.1%	19.2%	21.2%	30.7%	23.5%	
Pharmacodynamics	\$1,343,491	\$1,737,022	\$913,737	\$997,122	\$1,345,158	\$1,267,306	10.81%
F&A	\$389,791	\$502,161	\$284,523	\$267,494	\$357,070	\$360,208	12.51%
# grants	14	18	11	15	14	14	
%F&A	40.9%	40.7%	45.2%	36.7%	36.1%	39.9%	
Pharm. Outcomes and Policy	\$394,685	\$913,075	\$995,881	\$1,655,173	\$979,770	\$987,717	7.88%
F&A	\$94,293	\$56,126	\$154,504	\$360,329	\$229,447	\$178,940	8.04%
# grants	11	12	12	12	17	13	
%F&A	31.4%	6.5%	18.4%	27.8%	30.6%	22.9%	
Pharm. & Trans. Research	\$4,870,847	\$4,045,279	\$4,193,929	\$4,090,587	\$5,505,036	\$4,541,136	44.25%
F&A	\$1,051,974	\$677,428	\$649,305	\$755,831	\$1,143,802	\$855,668	40.09%
# grants	48.0	46.0	41.0	57.0	62.0	51	
%F&A	27.5%	20.1%	18.3%	22.7%	26.2%	23.0%	

F&A = Facilities and Administrative Costs

Table 18: Total Extramural Support - FY 10/11 to FY 14/15

Dept.	10/11	11/12	12/13	13/14	14/15	Average 10/11 - 14/15
COLLEGE TOTAL	\$10,621,827	\$8,983,763	\$9,380,749	\$12,162,144	\$12,440,861	\$10,717,863
F&A	\$2,374,018	\$1,688,991	\$1,802,312	\$2,552,127	\$2,853,322	\$2,254,154
# grants	99	99	102	119	130	109.8
%F&A	28.8%	23.2%	23.8%	26.6%	29.8%	26.4%
RESEARCH	\$10,621,827	\$8,983,763	\$9,380,749	\$12,162,144	\$12,440,861	\$10,717,869
F&A	\$2,374,018	\$1,688,991	\$1,802,312	\$2,552,127	\$2,853,322	\$2,254,154
# grants	99	99	102	119	130	109.8
%F&A	28.8%	23.2%	23.8%	26.6%	29.8%	26.4%
ADMINISTRATION	\$0	\$0	\$0	\$0	\$0	\$0
F&A	\$0	\$0	\$0	\$0	\$0	\$0
# grants	0	0	0	0	0	0
%F&A	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

F&A = Facilities and Administrative Costs

Outlined below in **Table 19** is a breakdown of the COP extramural support by sponsor type and number of awards for the last two fiscal years. The College's extramural support from Federal Agencies is 38%. These federal dollars were earmarked entirely for research purposes and showed a 4.0% increase in dollars receiving exactly the same number of awards this year as in FY 13/14. State dollars increased by 42.6%; Corporations and Companies showed an increase of 22.5% in dollars received; and Foundation and Society monies showed a decrease of 57.0% in the dollars received compared to FY 13/14. The College also experienced a decrease of 29.8% in funding within the "Other" funding category from the previous year. Within this "Other" category are funds that include *Miscellaneous Donor* monies or funds in which faculty members have unrestricted use to support their individual research programs.

Sponsor Category	FY 13/14		FY 14/15	
	# of Awards	Total Dollars	# of awards	total dollars
Federal Agencies	50	\$8,425,933	50	\$8,759,983
Florida State Agencies	6	\$450,480	8	\$642,207
Corporations and Companies	34	\$2,031,106	41	\$2,487,654
Foundations and Societies	18	\$1,167,223	21	\$501,971
Other	11	\$69,902	10	\$49,045
Total Comparison	119	\$12,144,644	130	\$12,440,861

A more complete breakdown and two-year comparison of sponsor categories, number of awards and total dollars including F&A costs can be seen in **Tables 20-24**. In **Appendix B** a complete listing of all extramural support by Department and Faculty members can be found. Please note: items in the table with an asterisk (*) denotes funds that came into the College and were transferred elsewhere within the institution for program support.

Sponsor	FY 13/14			FY 14/15		
	Count	Total	F&A	Count	Total	F&A
AHCA/CMS	4	\$412,999	\$82,599	1	\$107,675	\$21,535
AHRQ	1	\$42,189	\$2,209			
BARDA - CUBRC	1	\$12,500	\$2,500			
Department of Defense	1	\$785,514	\$249,567	2	-\$19,481	-\$6,494
Food & Drug Administration	5	\$1,785,365	\$318,349	7	\$1,402,806	\$279,961
HRSA	2	\$42,122	\$3,120	3	\$555,689	\$166,636
NIH	36	\$5,345,244	\$1,220,452	37	\$6,713,295	\$1,634,688
Total Federal Agencies	50	\$8,425,933	\$1,878,796	50	\$8,759,983	\$2,096,326

F&A = Facilities and Administrative Costs

Sponsor	FY 13/14			FY 14/15		
	Count	Total	F&A	Count	Total	F&A
Department of Citrus						
Department of Health	5	\$442,980	\$48,158	7	\$627,207	\$60,941
Florida State University	1	\$7,500	\$0	1	\$15,000	\$0
Total Florida State Agencies	6	\$450,480	\$48,158	8	\$642,207	\$60,941

F&A = Facilities and Administrative Costs

Table 22: Corporations and Companies Comparison

Sponsor	FY 13/14			FY 14/15		
	Count	Total	F&A	Count	Total	F&A
Abbott Products Operations AG	1	\$1,060	\$235			
Aegerion Pharmaceuticals	1	\$18,750	\$3,750	3	\$50,922	\$16,975
AstraZeneca	1	\$21,240	\$7,032	1	\$274,523	\$91,508
Bayer Group	1	\$26,000	\$5,200			
Biogen IDEC	1	\$137,500	\$30,496			
Canon, Inc.				2	\$116,100	\$38,700
Compleware Corporation	9	\$141,102	\$28,220	2	\$100,296	\$11,367
Eli Lilly & Co				1	\$87,000	\$29,000
Florida Medical Quality Assurance				1	\$94,740	\$18,948
Gilead Sciences	1	\$89,850	\$19,950	4	\$189,537	\$42,037
Glaxo SmithKline, Inc	3	\$179,153	\$45,411	3	\$219,545	\$54,867
Golin-Harris Int'l, Inc	1	\$5,000	\$1,000	1	\$5,000	\$1,109
Griffols Worldwide Operation				1	\$116,783	\$30,278
Hoffman La Roche Inc				1	\$290,245	\$96,748
Jacobus Pharmaceuticals	1	\$35,000	\$7,000			
Janssen Research &Development				1	\$197,428	\$43,187
Micromedic Technologies				1	\$52,440	\$10,488
Movartis Pharmaceutical Corp.				2	\$11,412	\$2,497
Parexel International Corp	8	\$51,457	\$10,291	4	\$23,976	\$4,795
Pfizer, Inc	1	\$100,000	\$0	2	\$101,094	\$0
Pharmaceutical Research Association				5	\$29,312	\$6,412
RAJ Enterprises of Central Florida				1	\$75,000	\$25,000
Roche Diagnostics Corp				1	\$12,083	\$2,643
Sideris Pharmaceuticals	1	\$900,000	\$300,000			
Simulations Plus	1	\$58,750	\$11,750			
Takeda Pharmaceuticals Int'l	1	\$150,000	\$33,268	2	\$232,000	\$75,437
Teva Pharmaceuticals USA	2	\$116,145	\$23,229	1	\$68,219	\$13,644
Vertex Pharmaceuticals				1	\$140,000	\$30,625
Total Corporations and Companies	34	\$2,031,007	\$526,833	41	\$2,487,654	\$646,265

F&A = Facilities and Administrative Costs

Table 23: Foundations and Societies Comparison

Sponsor	FY 13/14			FY 14/15		
	Count	Total	F&A	Count	Total	F&A
Adventist Health System Sunbelt	1	43979	14463	1	\$29,516	\$3,850
American Cancer Society				2	\$55,469	\$4,245
American Assoc Colleges of Pharmacy				1	\$9,900	\$0
Am. Dental Association Foundation	1	\$11,813	\$2,620			
Am. Foundation for Pharmaceutical Edu	1	\$3,250	\$0	1	\$3,250	\$0
American Heart Association	4	\$211,500	\$14,500	3	\$185,500	\$7,500
Am. Society of Health Sys Pharm Fdtn	1	\$235,028	\$17,410			
Brigham & Women's Hospital	1	\$5,610	\$1,859			
Critical Path Institute	3	\$341,211	\$31,019	2	\$0	\$0
Florida Clinical Practice Association				1	\$20,000	\$0
FL Health Equity Research Institution				1	\$38,829	\$0
National Academy of Sciences				1	\$25,000	\$0
Oak Ridge Association of Universities				2	\$5,800	\$0
Partners in Health				1	\$13,000	\$0
PhRMA Foundation	2	\$150,000	\$0			

Table 23: Foundations and Societies Comparison (cont.)						
Sponsor	FY 13/14			FY 14/15		
	Count	Total	F&A	Count	Total	F&A
Shands Teaching Hospital	1	\$56,436	\$0	3	\$21,459	\$0
Schlumberger Foundation	1	\$50,000	\$0			
UF Foundation	1	\$25,000	\$0	1	\$25,000	\$0
University Space Research Association				1	\$69,248	\$22,852
University of California -SD	1	\$33,396	\$4,356			
Total Foundations and Societies	18	\$1,167,223	\$86,227	21	\$501,971	\$38,447

F&A = Facilities and Administrative Costs

Table 24: Other Comparison						
Sponsor	FY 13/14			FY 14/15		
	Count	Total	F&A	Count	Total	F&A
Drexel University	2	\$25,680	\$0			
Embassy Arab Rep Egypt	1	\$9,500	\$0			
MOI University College of Health Sci	1	\$2,981	\$221			
Miscellaneous Donors				2	\$500	\$0
Multiple Sponsors	6	\$26,741	\$5,348	5	\$16,395	\$3,608
University of Miami				1	\$21,750	\$4,824
University of Minnesota				1	\$6,000	\$1,331
University South Alabama	1	\$5,000	\$1,000	1	\$4,400	\$880
Total Other	11	\$69,902	\$6,569	10	\$49,045	\$10,643

F&A = Facilities and Administrative Costs

Clinical Laboratory Income

The Infectious Disease Pharmacokinetics Laboratory at the University of Florida (IDPL) has a clinical and research focus on the treatment of patients with serious infections. The lab, which opened in July 2009 and located in the College of Pharmacy, is part of the Emerging Pathogens Institute. The IDPL serves as a national reference center for the determination of serum concentrations for the ant mycobacterial, antifungal, and anti-HIV drugs, as well as linezolid. The lab also measures vitamin D. The IDPL provides therapeutic drug monitoring to physicians and their patients, and it provides research study support to investigators, using high-performance liquid chromatography and gas chromatography.

The clinical lab, working in cooperation with the Shands Clinical Laboratory, is CLIA licensed and College of American Pathologists (CAP) Certified. This year's clinical income had a decrease of 18.8% (**Table 25**).

Table 25: Clinical Laboratory Income	
FY 13/14	FY 13/14
\$470,475	\$381,899

Licensing and Royalty Income

Through licensing and maintenance fees the College of Pharmacy generated a total of \$15,750 in revenues during FY 14/15. These monies were distributed to the College as outlined in the UF IP distribution policy.

Graduate Student Research Activities and Awards

Ms. Nivea Falcao, a graduate student in the Department of Pharmaceutics working with Dr. Hartmut Derendorf, was awarded as a national student/trainee at the 2014 meeting of the **American College of Clinical Pharmacology**. Ms. Falcao received complimentary registration to the 2014 ACCP Annual Meeting and awards dinner, a commemorative plaque and \$1,000 honorarium.

Mr. Andrew Antolic, a graduate student in the Department of Pharmacodynamics working with Dr. Maureen Keller-Wood, was selected as one of the winners of **The Society for Reproductive Investigation’s 2015 Best New Investigator Posters**, which was chosen during the 2015 Annual Scientific meeting. Mr. Antolic’s poster was titled *“Chronic Maternal Hypercortisolemia Impairs Fetal Cardiac Function.”*

Mr. Mohamed Shahin, a graduate student in the Department of Pharmacotherapy & Translational Research working under Dr. Julie Johnson, has received a two-year \$52,000 predoctoral fellowship from the Greater Southeast Affiliate of the American Heart Association for his project entitled *“Using Different OMICS for Identification of Novel Biomarkers of Blood Pressure Response to Antihypertensive Drugs”*. Mr. Shahin was also selected as a **Marilyn Little Scholarship recipient** in April 2015. The International Committee of Altrusa International of Gainesville annually awards the \$1,000 scholarship to international students in their fourth year of undergraduate studies or in graduate school studies with a major of particular need in their home country.

Professional Student Research Activities and Awards

Mr. Michael Walsh, Mr. Julian Leland, and Mr. Patrick Wieruszewski, professional students in our PharmD program were selected to represent the University at the **American College of Clinical Pharmacy Clinical Challenge** held during the ACCP Annual Meeting in Austin, Texas, in September 2014. **Mr. Stanley Luc** and **Mr. Bradley Figgins** were chosen as alternates for this competition that hosted over 104 pharmacy schools from 44 states. The team advanced to round three of the competition.

Ms. Randi Searcy and **Mr. Patrick Leffers**, professional students in our PharmD program won the all-campus competition for the **FSHP Clinical Skills Competition**. As winners, these students represented the University of Florida at the National ASHP Clinical Sills completion.

Ms. Jacqueline Nguyen and **Ms. Erin Bailey**, professional students in our PharmD program at the UF Orlando campus, teamed up with UCF College of Medicine students to win the inaugural **University of Central Florida’s College of Medicine Interprofessional Education Advocacy Workshop** competition in December, 2014, where the theme was “Approach to the Care of the Homeless.” This interprofessional opportunity hosted over 200 UFC M.D students, Masters students from the school of social work, and University of Florida pharmacy students in the hopes to illustrate the benefits of healthcare professionals working as collaborative teams.

Ms. Kacie Clark, a professional students in our PharmD program at the UF Jacksonville campus, won the **all-campus patient counseling competition** in March 2015, and represented the University of Florida at the National Patient Counseling Competition at the Annual APhA Meeting in San Diego, California.

Ms. Danielle Bley a professional students in our PharmD program, won a **Student Leadership Award** through the APhA-Academy of Student Pharmacists at their Annual Meeting and Exposition in San Diego, California.

Ms. Antonia Fawaz, a professional student in our PharmD program at the UF St. Petersburg campus, was recently awarded the **Kappa Epsilon Zada M. Cooper Scholarship**. Recipients have maintained high academic standards and have also contributed substantially to the activities of their KE Chapter and college of pharmacy. Only five awards are given nationally, making Ms. Fawaz's accomplishment particularly notable.

The College of Pharmacy is dedicated to increasing the number of professionally trained pharmacists to consider a career in academic pharmacy and pharmaceutical/biomedical research. We have found that providing an environment for training of PharmD students very early in their professional degree program has been successful in directing future graduates to careers in research. In following, the College provided a 10-week, full-time paid summer internship of \$4,200 to both first (1PD) and second (2PD) year PharmD students. The recipients of the summer internships are:

Student Name	Campus	Mentor
Diaz, Eduardo	Gainesville	Dr. Sihong Song
Horton, Kelsey	Gainesville	Dr. Ronald Cobb
Kassem, Sally	Gainesville	Dr. Jatinder Lamba
Khatoon, Zainab	Gainesville	Dr. Vishal Lamba
Kight, Jennifer	Gainesville	Dr. Rhonda Cooper-DeHoff
Li, Wenhui	Gainesville	Dr. Julie Johnson
Lovato, Tommie	Gainesville	Dr. Larissa Cavallari

Student Name (cont.)	Campus	Mentor
Martinez, Diana	Gainesville	Dr. Michael Katovich
McElhaney, Emily	Gainesville	Dr. Maureen Keller-Wood
Mochan, Stephanie	Gainesville	Dr. Stacy Voils
Nguyen, DanTam	Gainesville	Dr. Eric Krause
Ohman, Kelsey	Jacksonville	Dr. John Lima
Palmer, Michelle	Gainesville	Dr. Richard Segal
Patel, Rishita	St. Petersburg	Dr. Patrick Birney
Rattanasuwan, Thakul	Gainesville	Dr. Reginald Frye
Rolfe, Melanie	Gainesville	Dr. Robert Huigens
Shore, Stephanie	Gainesville	Dr. Katherine Vogel Anderson
Surujlall, Christine	Orlando	Dr. Larry Lesko
Vu, Tracy	Gainesville	Dr. Almut Winterstein
Zinat, Rubaiyat	Gainesville	Dr. Joanne Peris

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ORGS Coordinated Events

Two major COP functions are coordinated by the ORGS, the Post-baccalaureate Reception and the Annual Research Showcase and Awards Recognition Day. These events are described below.

Post-baccalaureate Reception

The annual Post-baccalaureate Reception is held at the beginning of the Fall Semester as an event to introduce all **new** faculty, graduate students, post-doctoral fellows and research associates to the COP community. This year the event was held on Wednesday, September 17, 2014, at the University of Florida Hilton from 6:00 PM to 8:00 PM. This year we had 163 faculty, staff and students. At the reception this year 28 new graduate students, 20 new faculty members, and a number of new post-doctoral fellows, research associates and visiting scientists were introduced to the college.

Annual Research Showcase and Awards Recognition Day

The 28th Annual Research Showcase and Awards Recognition Day took place on Thursday, February 19, 2015, at the University of Florida, College of Pharmacy. A program booklet ([Appendix C](#)) is included that outlines the day's events, a complete list of competitors for each of the divisions and the judges for each of the events.

This year's Showcase and Awards Recognition Day could not have taken place without the financial backing from **Dr. Maureen A. McKenzie** through **DENALI Biotechnologies, Inc.**; **Dr. Robert C. Crisafi** (Class of 1956) of Winchester, MA; **Debbie Klapp Memorial Endowment**; **Dr. David W. Newton** (class of 1976) of Winchester, VA; **Dr. April M. Barbour** (class of 2009) of Galesburgh, MI; **Dr. Kerry Estes** through **PK-P'Dyne, Inc.**, Gainesville, FL; **Dr. Stephan Schmidt** (class of 2008) of Orlando, FL; **Dr. James Sacco** (class of 2006) of Urbandale, IA; and **Dr. Robert A. and Phyllis Levitt** (Class of 1961) of Boca Raton and Gainesville, FL sponsoring the **Levitt Division** of the Oral Competition.

The Showcase and Awards Recognition Day is full of excitement and discovery, as graduate students, pharmacy students, and post-doctoral fellows from throughout the College compete (via posters and platform presentations) for the distinction of being the "*best*" in one of the following categories:

Oral Competition

- Senior Graduate Division
- Junior Graduate Division
- Levitt Division

Poster Competition

- Post-doctoral Fellow Division
- Pharmacy Student Division
- Graduate Student Division

The finalists for the oral competition divisions submitted competitive abstracts that were reviewed and selected by the Graduate Studies Committee within the College. The **Senior Graduate Division** of the Oral Competition applies to those graduate students who are in the final stages of their graduate education. The **Junior Graduate Division** pertains only to graduate students who are in the first two years of their graduate program. The **Levitt Division** was established in 1993 to recognize those graduate students who are doing graduate work related in the areas of health outcomes research or related translational research in the clinical sciences.

The finalists in each of the oral divisions give a 12-15 minute presentation followed by a 3-5 minute question/answer period. Based on the student's abstract and their presentation, a winner in each division is selected by a panel of judges. Winners receive a \$600 cash award and commemorative plaque. Each of the finalists receives a \$300 cash award and a commemorative plaque.

Judges for the oral competition were: **Dr. Frank Koehn**, Research Fellow, Natural Products/World Wide Medicinal Chemistry, Pfizer, Inc.; **Dr. Jatinder Lamba**, Associate Professor, Department of Pharmacotherapy & Translational Research, College of Pharmacy; **Dr. Steven Smith**, Clinical Assistant Professor, Department of Pharmacotherapy & Translational Research, College of Pharmacy; and **Dr. Mirjam Trame**, Assistant Professor, Department of Pharmaceutics, College of Pharmacy.

The winners of the oral competition are:

Senior Division – winner

Mohamed Shahin Pharmacotherapy & Translational Research \$600 cash award
Title: “Genome-Wide Prioritization and Genomics-Transcriptomics Integration Reveal Novel Signatures Associated with Blood Pressure Response of Thiazide Diuretics”

Senior Division – finalists

Michelle Bousquet Medicinal Chemistry \$300 cash award
Title: “Multidimensional Screening Platform Identifies Novel Modulators of Oxidative Stress for Chemoprevention and Chemotherapy”

Dipanwita Pati Pharmacodynamics \$300 cash award
Title: “Tonic Modulation of Central Stress Circuits by Oxytocin in Response to Peripheral Salt Loading”

Junior Division – winner

Fatma Al-Awadhi Medicinal Chemistry \$600 cash award
Title: “Searching for Underwater Treasures: Isolation, Structure Elucidation, and Biological Evaluation of Novel Natural Products from Marine Cyanobacteria”

Junior Division – finalists

Kaley MacFadyen Pharmacodynamics \$300 cash award
Title: “Oxytocin Receptor Expression on Dopamine, Glutamate and GABA Neurons of the VTA: A Point of Access for Regulating Ethanol Consumption?”

Guo Zhong Medicinal Chemistry \$300 cash award
Title: “Age-Related Changes in Expression and Activity of Human Mitochondrial Glutathione Transferase Zeta1”

Levitt Division – winner

Nakyung Jeon Pharmaceutical Outcomes and Policy \$600 cash award
Title: “Evaluation of Acute Kidney Injury (AKI) Risk in Vancomycin and NSAIDs Concomitant users in Hospital using Electronic Health Record”

Levitt Division – finalist

Xinyue Liu Pharmaceutical Outcomes and Policy \$300 cash award
Title: “State-Level Variation of Psychotropic Drug Utilization in Children with ADHD”

For the poster competition this year we had 73 posters from graduate students, professional students and post-doctoral fellows on display in the Reception Area of the Health Profession, Nursing and Pharmacy Building (HPNP). The posters were manned between 9:30 AM and 11:30 AM when individual judging took place. The winners in each of the divisions received a \$300 cash award and a commemorative plaque.

The poster judges were: **Dr. Larisa H. Cavallari**, Associate Professor, Department of Pharmacotherapy & Translational Research; **Dr. Keith Choe**, Assistant Professor, Department of Biology, Liberal Arts and Sciences; **Dr. Stacey Curtis**, Assistant Director of Experiential Programs, Department of Pharmacotherapy & Translational Research; **Dr. Michelle Farland**, Clinical Associate Professor, Department of Pharmacotherapy & Translational Research; **Dr. John Gums**, Associate Dean for Clinical Affairs, College of Pharmacy; **Dr. Pamela Havre**, Assistant Scientist, Department of Medicinal Chemistry; **Dr. Denise Klinker**, Clinical Assistant Professor, Director of Experiential Programs; **Dr. Vishal Lamba**, Assistant Professor, Department of Pharmacotherapy & Translational Research; **Dr. William Millard**, Associate Dean for Research and Administrative Affairs, College of Pharmacy; **Dr. John Neubert**, Associate Professor, Department of Orthodontics Research, College of Dentistry; **Dr. Ranjala Ratnayake**, Assistant Scientist, Department of Medicinal Chemistry; **Dr. Ben Staley**, Assistant Professor, Department of Pharmacotherapy & Translational Research.

The winners of the poster competition are:

Graduate Student Division – winners

Neha Bhise Pharmacotherapy & Translational Research \$300 cash award
Title: “MicroRNA Expression Mediated Regulation of Ara-C Chemosensitivity and Candidate Gene Expression in AML Cell Lines”

Ghadeer Dawwas	Pharmaceutical Outcomes and Policy	\$300 cash award
Title: "Type II Diabetes and Related Risk Factors: Analysis at the State Level in the United States"		
Ahmed Samir Elshikha	Pharmaceutics	\$300 cash award
Title: "Alpha 1 Antitrypsin Inhibits Dendritic Cell Differentiation and Attenuates Nephritis in a Mouse Model of Lupus"		
Oyunbileg Magvanjav	Pharmacotherapy & Translational Research	\$300 cash award
Title: "Reduced Cardiovascular Events after Percutaneous Coronary Intervention with Genotype-guided Antiplatelet Therapy: Results from the UF Health Personalized Medicine Program"		
Anandharajan Rathinasabapathy	Pharmacodynamics	\$300 cash award
Title: "Paracrine Role of Adipose Stem Cells in Protecting Against Bleomycin Induced Pulmonary Fibrosis"		
Lei Wang	Pharmacodynamics	\$300 cash award
Title: "Increasing Angiotensin converting Enzyme 2 Activity in the Brain is Anxiolytic and Dampens Activation of Hypothalamic-pituitary-adrenal Axis in Male Mice"		
<i>Professional Student Division – winners</i>		
Gena Burch	Professional Student/Gainesville Campus	\$300 cash award
Title: "Discovery of Halogenated Quinoline Small Molecules as Potent Biofilm Dispersal and Antibacterial Agents Against Staphylococcus epidermidis"		
Lindsey Osterfeld	Pharmaceutical Outcomes and Policy	\$300 cash award
Title: "Identifying Risk Factors Associated with Surgical Site Infections to Develop a Dynamic Risk Model"		
<i>Post-doctoral Fellow Division – winner</i>		
Stephan Jahn	Medicinal Chemistry	\$300 cash award
Title: "Chemoresistance through the Intratumoral Metabolism of Dichloroacetate"		

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Other ORGS Activities

In addition to the two major functions coordinated by the ORGS (Post-baccalaureate Reception and the Annual Research Showcase and Awards Recognition Day) other activities were performed or attended by ORGS personnel as outlined below.

Committee Assignments

The Associate Dean for Research and Administrative Affairs served on various College, Health Science Center and University Committees throughout the academic year.

COLLEGE COMMITTEES

- **Executive Council**: This committee met each week throughout the year to discuss and make decisions on relevant issues related to the daily operations of the College and long-range planning. Chaired by the Dean of the College, this committee is integral to assisting the Dean in making decisions on major initiatives in the College.
- **Graduate Studies Committee**: Please see **Graduate Education and Program Activities**; **Graduate Studies Committee (GSC) Activities** for details and activities of this committee throughout the year.
- **College Research Committee**: The Associate Dean serves as chair of the College Research Committee. The research committee was established to prepare a written policy document on allocation and reallocation of research and office space, as well as critical review and direction of all research activities in the College. The committee is also a decision making committee on "limited application programs". Sponsors are restricting the number of applications an institution can submit in response to many funding opportunities. The Research Committee is involved in selecting the proposal (or proposals) that will be submitted in response to a limited application program back to the Division of Sponsored Research for selection at the University level. The Committee also selects college finalists for the various research awards offered through the University. This committee met four times this academic year.

HEALTH SCIENCE CENTER (HSC) COMMITTEES

- **HSC Research Dean's Group:** This committee met monthly throughout the year to discuss relevant issues related to both basic and clinical research within the HSC and University. This meeting was convened by Dr. Tom Pearson, Executive Vice President for Research and Education. This past year this working group was instrumental in the development of the UF Health Strategic Plan for 2015-2020 <https://ufhealth.org/sites/default/files/media/about/The-Power-of-Together-5-20-15.pdf>. During the development of the strategic plan, the Associate Dean for Research and Administrative Affairs chaired a subcommittee to develop the white paper on Public private partnerships.

- **Anatomical Specimen Task Force:** This committee met twice throughout the year to consider current and future policies and use of cadavers and human specimens within the HSC teaching facilities.

UNIVERSITY COMMITTEES

- **Council of Graduate Deans:** This committee met once per semester during the academic year and was entrusted with making recommendations on major initiatives related to graduate education. The chair of this committee was Dr. Henry Frierson, Dean of the Graduate School and Dr. Paul Duncan, Associate Dean for Graduate Programs.

- **University Associate Deans for Research:** This committee met monthly to discuss facilitation of research activities throughout the institution as well as communication of new initiatives and policies related to research. Each of these meetings were convened by Dr. Sobha Jaishankar, Assistant Vice President for Research and Stephanie Gray, Director of Research. Noteworthy this past year was that much of the discussions centered on the advancement to all-electronic submissions and review of research proposals to extramural sponsors as well as the facilitation of large multi-investigator awards and training grants.

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Appendices

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B = Complete Listing of Extramural Support by Department and Faculty

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D = Board of Governor's Seven Year Review- Executive Summary

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