

Office of Research and Graduate Studies

2012  **2013**

Annual Report

**University of Florida
College of Pharmacy**

Office of Research and Graduate Studies Staff

William J. Millard, Ph.D.

Executive Associate Dean
Professor, Department of Pharmacodynamics

Gary Hamlin

Sr. Grants Specialist

Deborah Bambarola

Grants Specialist

José Ortiz

Office Assistant

Table of Contents

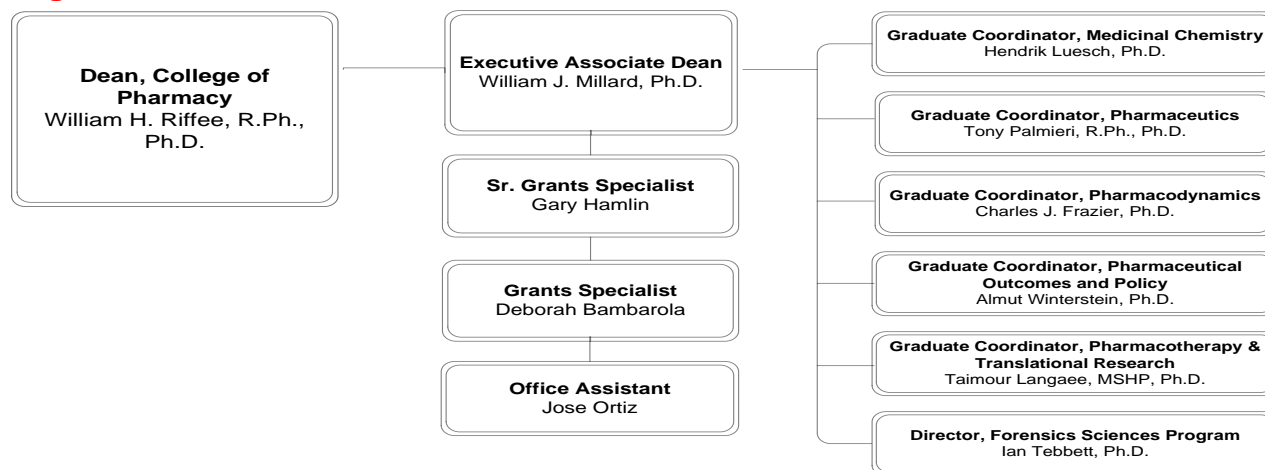
Section	Page
<u>Introduction</u>	1
<u>Graduate Education and Program Activities</u>	2
<u>Graduate Programs in the College</u>	2
<u>Graduate Studies Committee Activities</u>	2
<u>College of Pharmacy Graduate Student Organization</u>	3
<u>Graduate Faculty, Graduate Student, Post-doctoral Fellow, Visiting Scholar and Exchange Student Demographics</u>	3
<u>PharmD/Ph.D. Students in Graduate Programs in the College of Pharmacy</u>	8
<u>Graduate Student Recruitment Activities</u>	9
<u>Exchange Students in the College of Pharmacy</u>	9
<u>Graduate Student Graduation Activities</u>	11
<u>Graduate Student Funding and Awards</u>	18
<u>Graduate Minority Activities</u>	21
<u>Research Activities in the College of Pharmacy</u>	22
<u>Grant and Contract Efforts and Funding</u>	22
<u>Clinical Laboratories Income</u>	27
<u>Licensing and Royalty Income</u>	27
<u>Graduate Student Research Activities and Awards</u>	27
<u>Professional Student Research Activities and Awards</u>	28
<u>Post-doctoral Fellow Research Activities and Awards</u>	29
<u>U.S.-Thai Consortium Activities</u>	30
<u>History of the U.S.-Thai Consortium</u>	33
<u>12th U.S.-Thai Pharmacy Education Consortium Meeting</u>	30
<u>ORGS Coordinated Events</u>	32
<u>Post-baccalaureate Reception</u>	32
<u>Annual Research Showcase and Awards Recognition Day</u>	32
<u>Other ORGS Activities</u>	34
<u>Committee Assignments</u>	34
<u>Conferences Attended Related to ORGS Activity</u>	35
<u>Appendices</u>	36
A= <u>Letter to Graduate Applicants</u>	37
B= <u>Complete Listing of Extramural Support by Department and Faculty</u>	39
C= <u>26th Annual Research Showcase and Awards Recognition Day Booklet</u>	45

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 as part of this position maintains oversight of the ORGS and reports all ORGS activities directly to the Dean of the College.

Figure 1: Administrative Flow Chart for the ORGS



The Executive Associate Dean 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 Executive 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 Executive 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 Executive 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 Executive 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 Executive 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 Executive 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 Executive Associate Dean also sees that information relevant to research is communicated to the proper faculty or personnel within the COP.

The Executive Associate Dean is assisted in the ORGS by three staff members; a Sr. Grants Specialist, a Grants Specialist and an Office Assistant. In January 2011 a Sr. Grants Specialist position was created and filled by Mr. Gary Hamlin. Since June 2001, the Grants Specialist has been Ms. Deborah Bambarola. In July 2011, Mr. José Ortiz started to assume some of the responsibilities related to the graduate duties as the Office Assistant. These three positions work together to handle the daily operations of the ORGS. Some of these duties include the tracking and reporting of graduate information and students, assisting students with various problems and graduate course registration, submission of needed reports to the COP, University and outside agencies, the coordination of the various functions of the ORGS, as well as the tracking and filing of new research grants and the monitoring of post-award activities.

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 four areas of concentration: Forensic Toxicology, Forensic Drug Chemistry, Forensic DNA & Serology and Forensic Science. Within each concentration the program offers a Master's Degree or a Certificate. The Toxicology concentration is provided by the College of Veterinary Medicine while the Drug Chemistry, DNA & Serology, and Forensic Science concentrations are provided by the College of Pharmacy. 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: Pharmacy Regulation & Policy, Applied Pharmacoeconomics, Clinical Research Regulation in Pharmacy, Patient Safety & Medication Risk Management, Drug Regulatory Affairs, and Institutional Pharmacy Leadership. 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

During FY 91/92 all Graduate Studies/Programs were *decentralized* in the College from the ORGS and into each of the individual departments. With this decentralization the review or setting of graduate policies and graduate student recruitment is now in the hands of the individual departments. To assist the ORGS in the management of graduate activities in the College, the Graduate Studies Committee (GSC) was established.

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 Executive Associate Dean serves as the non-voting chair, and the Dean as *ex-officio* member of the committee. The Office Assistant sits in on all committee meetings as the recording secretary. 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. Almut Winterstein	Pharmaceutical Outcomes and Policy
	Dr. Tony Palmieri	Pharmaceutics
	Dr. Taimour Langae	Pharmacotherapy & Translational Research
	Dr. Ian Tebbett	Forensic Science Program
	Ms. Caitlin Knox	President of COP Graduate Student Organization
Ex-officio Member:	Dr. William Riffie	Dean

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

- Selection of the FY 13/14 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 26th Annual Research Showcase and Awards Recognition Day

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 Executive 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. **Ms. Caitlin Knox**, 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 24 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**. Ninety-one graduate students were engaged in residential studies leading to either the M.S. or Ph.D. degree this year. The COP graduated 21 Ph.D. students and 2 M.S. students (see: **Graduate Student Graduation Activities**). In addition, 628 graduate students were pursuing a M.S. degree program by online education. Noteworthy, is that 206 (32.8%) 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 46/54 percent male/female ratio. The college has a 29/71 percent American/Foreign student ratio as well. The percent of U.S. minority students was 4.4% (4 of 91) for FY 11/12. This is a decrease from the previous year of 9.7% (9 of 93). 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 27; Pharmaceutical Outcomes and Policy had 23; Medicinal Chemistry had 17; Pharmacodynamics had 13; and Pharmacotherapy & Translational Research

had 11 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 12/13 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 2 students leave the graduate program during FY 12/13.

Table 1: Graduate Faculty		
Department/Center	Faculty Name	
Medicinal Chemistry	Raymond Bergeron	Xin (Cindy) Qi
	Oliver Grundmann	Kenneth Sloan
	Margaret James	Ian Tebbett
	Hendrik Luesch	Donna Wielbo
Pharmaceutics/Center for Drug Discovery & Center for Drug Interaction Research and Education	Hartmut Derendorf	Sven Normann
	Guohua An	Tony Palmieri
	Guenther Hochhaus	Stephan Schmidt
	Cary Mobley	Sihong Song
Pharmacodynamics	Dorette Ellis	Bin Liu
	Jason Frazier	Michael Meldrum
	Michael Katovich	William Millard
	Eric Krause	Joanna Peris
	Maureen Keller-Wood	William Riffée
Pharmaceutical Outcomes and Policy	Diane Beck	Earlene Lipowski
	David Brushwood	Folakemi Odedina
	Joseph Chris Delaney	Richard Segal
	Abraham Hartzema	Thomas Smith
	Teresa Kauf	Burcin Unel
	Carole Kimberlin	Almut Winterstein
Pharmacotherapy & Translational Research/ Center for Pharmacogenomics	Rhonda Cooper-DeHoff	Michael McKenzie
	Reginald Frye	Charles Peloquin
	Leslie Hendeles	Karen Whalen
	Julie Johnson	Yan Whisler
	Taimour Langaee	Haojie Zhu
	John Markowitz	

Table 2: Graduate Students in Residential Programs

Department/Center	Name	Date	Expected	Degree	Mentor
		Entered	Grad Date	Sought	
Medicinal Chemistry	Alawadhi, Fatma *	Aug. 12	Aug. 17	Ph.D.	Luesch
	Ambadapadi, Sriram **	Aug. 07	Dec. 12	Ph.D.	James
	Bousquet, Michelle	Aug. 10	Aug. 15	Ph.D.	Luesch
	Cai, Weijing *	Aug. 12	Aug. 17	Ph.D.	Luesch
	Du, Guang-Jian *	Aug. 12	Left Prog.	Ph.D.	Qi
	Felsing, Daniel	Aug. 11	May. 16	Ph.D.	Booth
	Jackson, Erin	Aug. 10	Aug. 15	Ph.D.	James
	Kondabolu, Krishnakanth **	Aug. 08	May. 13	Ph.D.	Booth
	Ma, Zhuofan *	Aug. 12	May. 17	Ph.D.	Qi
	Metavarayuth, Kamolrat **	Aug. 10	Aug. 12	M.S.	Luesch
	Montaser, Rana **	Aug. 08	May. 13	Ph.D.	Luesch
	Salvador, Lilibeth **	Aug. 08	May. 13	Ph.D.	Luesch
	Smeltz, Marci *	Aug. 12	May. 17	Ph.D.	James
	Synovec, Jennifer	Aug. 09	May. 14	Ph.D.	Sloan
	Thiele, Nikki	Aug. 11	Dec. 15	Ph.D.	Sloan
	Wang, Rui **	Aug. 07	Dec. 12	Ph.D.	Luesch
Zhong, Guo	Aug. 11	Dec. 16	Ph.D.	James	
Pharmaceutics/ Center for Drug Discovery & Center for Drug Interaction Research and Education	Akbar, Mohammad	Jan. 10	Dec. 14	Ph.D.	Song
	Barth, Aline	Aug. 10	Aug. 14	Ph.D.	Derendorf
	Bhagwat, Sharvari	Aug. 11	May. 15	Ph.D.	Hochhaus
	Chen, Guanming	Aug. 11	May. 15	Ph.D.	Song
	Chen, Mongjen	Aug. 09	May. 14	Ph.D.	Song
	Conrado, Daniela **	Jan. 09	Dec. 12	Ph.D.	Derendorf
	Deng, Jiexin *	Jan. 13	May. 17	Ph.D.	Lesko
	Falcao, Nivea Maria Simoes	Jan. 12	May. 17	Ph.D.	Derendorf
	Hassan, Am Mahbub **	Aug. 05	Dec. 12	Ph.D.	Hochhaus
	Haug, Karin **	Jan. 09	May. 13	Ph.D.	Derendorf
	Kandala, Bhargava	Aug. 09	Dec. 13	Ph.D.	Hochhaus
	Kast, Johannes *	Jan. 13	May. 17	Ph.D.	Derendorf
	Li, Li **	Jan. 09	May. 13	Ph.D.	Derendorf
	Liu, Xuan	Aug. 09	Dec. 13	Ph.D.	Palmieri
	Prasanchaimontri, Ing-orn *	Aug. 12	May. 17	Ph.D.	Derendorf
	Rhoades, Jenna *	May. 12	May. 16	Ph.D.	Schmidt
	Samant, Snehal *	Aug. 12	May. 17	Ph.D.	Schmidt
	Song, Xuyang	June. 09	Dec. 13	Ph.D.	Derendorf
	Sun, Wan **	Aug. 08	Dec. 12	Ph.D.	Derendorf
	Sy, Sherwin	Aug. 10	Aug. 14	Ph.D.	Derendorf
	Tatipali, Manasa **	Jan. 10	Dec. 12	M.S.	Palmieri
	Voelkner, Alexander *	Aug. 12	May. 17	Ph.D.	Derendorf
	Waters, Chad	Jan. 09	May. 14	Ph.D.	Hochhaus
	Weber, Benjamin **	Jan. 09	May. 13	Ph.D.	Hochhaus
	Zhao, Li *	Aug. 12	May. 17	Ph.D.	Hochhaus
	Zhou, Di	Jan. 11	Dec. 15	Ph.D.	Hochhaus
Zhuang, Luning	Jan. 11	Dec. 15	Ph.D.	Derendorf	
Pharmacodynamics	Antolic, Andrew *	Aug. 12	May. 17	Ph.D.	Keller-Wood
	Bruce, Erin	Aug. 08	May. 14	Ph.D.	Katovich
	Feng, Xiaodi **	Aug. 07	May. 13	Ph.D.	Keller-Wood
	Kasper, James **	Aug. 06	Aug. 12	Ph.D.	Peris
	Kelly, Kyle Blaine *	Aug. 12	May. 17	Ph.D.	Frazier
	Liu, Yue **	Aug. 07	Dec. 12	Ph.D.	Liu

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

Department/Center	Name	Date	Expected	Degree	Mentor
		Entered	Grad Date	Sought	
Pharmacodynamics (cont.)	MacFadyen, Kaley Ann	Aug. 11	Aug. 16	Ph.D.	Peris
	Pati, Dipanwita	July. 10	May. 14	Ph.D.	Frazier
	Rathinasabapathy, Anandharajan	June. 09	May. 14	Ph.D.	Katovich
	Smith, Justin Andrew *	Aug. 12	May. 17	Ph.D.	Frazier
	Tikamdas, Rajiv Harish	July. 10	May. 14	Ph.D.	Liu
	Wang, Lei	Aug. 11	Aug. 16	Ph.D.	Krause
	Wang, Yunyang (Ryan)	June. 09	May. 14	Ph.D.	Ellis
Pharmaceutical Outcomes and Policy/Center For Research in Pharmaceutical Care	Ali, Ayad **	Aug. 05	Dec. 12	Ph.D.	Hartzema
	Alrwisan, Adel *	Aug. 12	Aug. 16	Ph.D.	Winterstein
	Bird, Steven *	Aug. 12	Aug. 14	Ph.D.	Hartzema
	Chen, Chao *	Aug. 12	Aug. 16	Ph.D.	Winterstein
	Dave, Chintan *	Aug. 12	Aug. 16	Ph.D.	Kimberlin
	Eworuke, Efe **	Aug. 08	May. 13	Ph.D.	Winterstein
	Jeon ,Nakyung *	Aug. 12	Aug. 16	M.S.	Winterstein
	Knox, Caitlin	Aug. 09	Dec. 13	Ph.D.	Winterstein
	Lee, Christine **	Aug. 07	Aug. 12	Ph.D.	Segal
	Linden, Stephan **	Aug. 07	May. 13	Ph.D.	Winterstein
	Liu, Wei	Aug. 10	May. 14	Ph.D.	Winterstein
	Liu, Xinyue	Aug. 10	May. 14	Ph.D.	Winterstein
	Ma, Qinli (Lily)	Aug. 07	Aug. 13	Ph.D.	Kauf/Hartzema
	Murimi, Irene	Aug. 10	May. 14	Ph.D.	Hartzema
	Okoro, Olihe	Aug. 09	Dec. 13	Ph.D.	Odedina
	Ramkissoon, Rishi *	Aug. 12	Aug. 16	Ph.D.	Segal/Navarro
	Ritho, Jane	Aug. 05	Left Prog.	Ph.D.	Hartzema
	Rosenthal, Rachel	Aug. 09	Dec. 13	Ph.D.	Segal
	Schelfhout, Jonathan	Aug. 09	Dec. 13	Ph.D.	Hartzema
	Simpson, Donna *	Aug. 12	Aug. 16	Ph.D.	Winterstein
Stojanovic, Danijela	Aug. 10	May. 14	Ph.D.	Smith/Delaney	
Wen, Xuerong (Sheron)	Aug. 08	Aug. 13	Ph.D.	Hartzema	
Zhu, Yanmin *	Aug. 12	Aug. 16	Ph.D.	Lipowski	
Pharmacotherapy & Translational Research	Alalaiwe, Ahmed	Aug. 10	Aug. 14	Ph.D.	Frye
	Albassam, Ahmed	Aug. 10	Aug. 14	Ph.D.	Frye
	Chang, Shin-Wen (Shirley)	Aug. 11	May. 15	Ph.D.	Dehoff
	Egelund, Eric	Aug. 09	May. 13	Ph.D.	Peloquin
	El Rouby, Nihal *	Aug. 12	May. 16	Ph.D.	Johnson
	Gonzalez, Daniel **	Aug. 08	Aug. 12	Ph.D.	Derendorf
	Karnes, Jason **	Aug. 08	Aug. 12	Ph.D.	Cooper-DeHoff
	Kawaguchi, Marina	Aug. 10	May. 14	Ph.D.	Frye
	Moore, Mariellen **	Aug. 07	Dec. 12	Ph.D.	Johnson
	Shahin, Mohamed	Aug. 11	May. 15	Ph.D.	Johnson
Sultan, Abdullah	Aug. 11	May. 15	Ph.D.	Peloquin	

* new students entering a COP graduate program during FY 12/13

** students who graduated with an M.S. or Ph.D. during FY 12/13

Table 3: Graduate Student Demographics in Residential Programs

Gender		Citizenship					American Minority							
		US		Foreign		Black		Hispanic		Asian/Island Pacific		Indian/Alaskan		
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Total/%	91		26	28.6%	65	71.4%	1	1.1%	1	1.1%	2	2.2%	0	0.0%
Male	42	46.2%	13	31.0%	29	69.0%	0	0.0%	1	2.4%	2	4.8%	0	0.0%
Female	49	53.8%	13	26.5%	36	73.5%	1	2.0%	0	0.0%	0	0.0%	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	17	6	1	1
Pharmaceutics	27	11	0	67
Pharmacodynamics	13	2	0	0
Pharmaceutical Outcomes and Policy	23	1	0	0
Pharmacotherapy & Translational Research	11	14	2	0
COLLEGE TOTAL	91	34	3	68

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

Class	GPA	GRE			TOEFL	TSE
		Verbal	Quant.	Total		
COLLEGE TOTAL (91)*	3.63	152	157	309	96	85
FY 12/13 Class (24)	3.5	153	158	311	100	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	Borrero, Nicholas	Huigens	USA
	Canal, Clinton	Booth	USA
	Cordova-Sintjago, Tania	Booth	USA
	Jahn, Stephan	James	USA
	Kim, Myong Sang	Booth	Korea
	Panmand, Deepak	Qi	India
	Zhang, Wei	Luesch	China
Pharmaceutical Outcomes and Policy	Auri, Ariadna	Winterstein	Spain
Pharmaceutics/Center for Drug Discovery & Center for Drug Interaction Research and Education	Fueth, Matthias	Derendorf	Germany
	Gaitonde, Puneet	Schmidt	India
	Gonzalez, Daniel	Derendorf	USA
	Jadhov, Manoj	Hochhaus	India
	Jiang, Xiling	Schmidt	China
	Mukker, Jatinder	Derendorf	India
	Sampath, Chetham	Derendorf	India
	Schotland, Peter	Lesko	USA
	Singh, Ravi	Derendorf	Canada
	Trame, Mirjam	Schmidt	Germany
Zheng, Songmao	Schmidt	China	

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

Department/Center	Student Name	Mentor	Home Country
Pharmacodynamics	Kabokov, Anatoli	Frazier	Russia
	Qi, Yanfei	Katovich	China
Pharmacotherapy & Translational Research/Center for Pharmacogenomics	Cich, Katherine	Schentrup	USA
	Dietrich, Eric	Gums	USA
	Elliott, Jennifer	Sando	USA
	Fontana, Vanessa	Johnson	Brazil
	Hamadeh, Issam	Johnson	Saudi Arabia
	McDonough, Caitrin	Johnson	USA
	Miguel, Alexander	Hall	USA
	Mohamed, Mohamed E.	Frye	Egypt
	Munisamy, Murali	Frye	India
	Owusu Obeng, Aniwaa	Johnson	Ghana
	Pierini, Danielle	Anderson	USA
	Powell, Jason	Sando	USA
	Stanchak, Lauren	Angaran	USA
	Wang, Xinwen	Markowitz	China
	Wilcox, Alisa	Taylor	USA
Zhang, Bin	Cooper-DeHoff	China	

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 prepharmacy 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 six students enrolled in the PharmD/Ph.D. joint degree program this year. Three students completed the joint degree program, two students are completing the Ph.D. portion of the program, and one student is currently finishing his 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.
Completed the Ph.D. Degree:			
Dr. Mariellen Moore	Pharmaceutics/PTR*/CST**	2007	2012
Dr. Jason Karnes	Pharmaceutics/PTR*/CST**	2008	2012
Dr. Daniel Gonzalez	Pharmaceutics/PTR*/CST**	2008	2012
Completing the Ph.D. Degree:			
Dr. Eric Egelund	Pharmaceutics/PTR*/CST**	2009	2013
Dr. Donna Simpson	Pharmaceutical Outcomes and Policy	2012	2016
Completing the PharmD Degree:			
Mr. Juan Hincapie-Castillo	Pharmaceutical Outcomes and Policy	2013	2017

* PTR - Pharmacotherapy and Translational Research

** CST - Clinical Science Tract

Graduate Student Recruitment Activities

Recruitment of graduate students was decentralized in 1991 and placed in the hands of the individual departments. As such, departments are now responsible for their own recruitment brochures and strategies for graduate student recruitment.

Whenever possible, requests for application materials that come through the ORGS are now sent to the departments. However, when applicants do not specify a graduate specialty in their letter of inquiry the ORGS handles these requests. To streamline the process, a letter (see [Appendix A](#)) describing the individual graduate programs/specialties and identifying the graduate coordinators of each graduate specialty is sent to each applicant. In this letter, applicants are encouraged to access information from the COP home page on the Web.

Graduate student application activity for FY 12/13 for each of the departments is illustrated in **Table 8**. The College received 231 completed applications. Of the 231 completed applications received by the departments, only 31 (or 13.4%) of the applicants were accepted, of which 24 students (or 77.4% of the potential students) will enter our graduate programs for FY 13/14.

Department	# Completed Applications	# Applications Accepted	% Accepted	# Applicants Entered	% Entered
Medicinal Chemistry	75	7	9.3%	5	71.4%
Pharmaceutics	80	9	11.3%	7	77.8%
Pharmacodynamics	33	3	9.1%	3	100.0%
Pharmaceutical Outcomes and Policy	37	11	29.7%	8	72.7%
Pharmacotherapy & Trans. Research	6	1	16.7%	1	100.0%
COLLEGE TOTAL	231	31	13.4%	24	77.4%

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 64 students hosted by the COP during this academic year.

Department	Student Name	Mentor	Home Country
Medicinal Chemistry	Mievre, Quentin	James	France
Pharmaceutical Outcomes and Policy	Trenkamp, Maria	Winterstein	Germany
Pharmaceutics/ Center for Drug Discovery & Center for Drug Interaction Research and Education	Adelino Da Silva Filho, Miguel	Derendorf	Brazil
	Al-Karawi, Claudia	Derendorf	Germany
	Allue, Marie-Claire	Derendorf	France
	Balen, Jean-Baptist	Derendorf	France
	Benker, Franziska	Derendorf	Germany
	Brull, Nora	Derendorf	Germany
	Correa, Josilene	Derendorf	Brazil
	De Holanda Silva, Karen	Derendorf	Brazil
	Drescher, Stefanie	Derendorf	Germany
	Egito, Socrates	Derendorf	Brazil
	El Shikha, Ahmed	Song	Egypt
	El Talia, Maurice	Derendorf	Germany
	Endo, Tamasaka	Derendorf	Japan
	Folzer, Emelien	Derendorf	France
	Frank, Christian	Derendorf	Germany
	Fuhrmann, Saskia	Derendorf	Germany
	Gancheva, Asya	Derendorf	Germany
	Gavalda, Benjamin	Derendorf	France
	Guo, Tianwei	Song	China
Haener, Sandra	Hochhaus	Switzerland	

Table 9: Exchange Students (Cont.)

Department	Student Name	Mentor	Home Country
Pharmaceutics/ Center for Drug Discovery & Center for Drug Interaction Research and Education (Cont.)	Heinrichs, Cordula	Derendorf	Germany
	Heuberger, Jules	Derendorf	Brazil
	Hinske, Stephanie	Derendorf	The Netherlands
	Egito, Socrates	Derendorf	Germany
	Jadhav, Manoj	Hochhaus	India
	Jaekel, Sina	Derendorf	Germany
	Klopp-Schulze, Lena	Derendorf	Germany
	Kuhnen, Miriam	Derendorf	Germany
	Kurre, Johanna	Derendorf	Germany
	Lee, Jeongwoo	Derendorf	South Korea
	Link, Catharina	Schmidt	Germany
	Malmberg, Ruben	Derendorf	The Netherlands
	Matsushima, Aoi	Derendorf	Brazil
	Marcelino, Henrique	Derendorf	Japan
	Merkle, Johannes	Derendorf	Germany
	Mulder, Midas	Derendorf	The Netherlands
	Paviot, Camile	Derendorf	France
	Pieper, Sebastian	Derendorf	Germany
	Qin, Junling	Song	China
	Reljac, Katarina	Derendorf	Germany
	Richartz, Julia	Derendorf	Germany
	Sama, Simko	Derendorf	Germany
	Ritter, Andrea	Derendorf	Germany
	Sandini, Laetitia	Hochhaus	Switzerland
	Schilling, Uta	Derendorf	Germany
	Schmidt, Alexander	Derendorf	Germany
	Schmitz, Elisabeth	Derendorf	Germany
	Softa, Melisa	Derendorf	Germany
	Steinhauser, Christoph	Derendorf	Germany
	Spoelder, Jesper	Derendorf	Germany
	Strasser, Severin	Derendorf	Germany
	Tavares Da Silva Sobrinho, Itamar	Derendorf	Brazil
	Tremmel, Robin	Derendorf	Germany
	Van der Velden, Hester	Derendorf	The Netherlands
Volk, Angelika	Derendorf	Germany	
Wei, FengHuan	Derendorf	China	
Wermter, Teresa	Derendorf	Germany	
Weissenborn, Marina	Schmidt	Germany	
Werries, Nina	Derendorf	Germany	
Wimmer, Michaela	Derendorf	Germany	
Yu, Mingming	Derendorf	China	

Graduate Student Graduation Activities

During this academic year the COP had 21 students finish their graduate program and earn a Ph.D. degree and 2 who earned a Master's degree. The following are the graduates according to commencement date.

Pharmaceutical Science Ph.D. Degrees Conferred

AUGUST 2012 (SUMMER COMMENCEMENT)

Name: **Dr. Daniel Gonzalez**
Dissertation Title: *Evaluating Sources of Pharmacokinetic Variability using Breath Testing and Microdialysis*
Faculty Mentor: Dr. Hartmut Derendorf, Distinguished Professor
Department: Pharmaceutics
Previous Degree: PharmD, University of Florida

Dr. Gonzalez assumed a position as a Post-doctoral Fellow at the University of North Carolina at Chapel Hill.

Name: **Dr. Jason Hansen Karnes**
Dissertation Title: *Genetic, Pharmacogenetic, and Pharmacotherapeutic Risk Factors for Thiazide-induced Dysglycemia*
Faculty Mentor: Dr. Rhonda Cooper-DeHoff, Associate Professor
Department: Pharmacotherapy & Translational Research
Previous Degree: B.A. in Ancient Greek Language, College of William and Mary; PharmD in Clinical Pharmacy, University of Florida

Dr. Karnes assumed a position as a Post-doctoral Fellow in the Division of Clinical Pharmacology, College of Medicine, Vanderbilt University, Nashville, TN.

Name: **Dr. James Kasper**
Dissertation Title: *Characterization of the Effects of Novel 5-HT_{2C} Receptor Agonists on Neurotransmission and Voluntary Alcohol Consumption in Rats*
Faculty Mentor: Dr. Joanna Peris, Associate Professor
Department: Pharmacodynamics
Previous Degree: B.S. in Chemistry, University of Wisconsin Eau Claire

Dr. Kasper assumed a position as a Post-doctoral Fellow in the Department of Pharmacodynamics, College of Pharmacy, University of Florida.

Name: **Dr. Christine Lee**
Dissertation Title: *The Development of a Pharmacist Model of Professional Obligation using Bandura's Theory of Moral Disengagement*
Faculty Mentor: Dr. Richard Segal, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degree: PharmD, University of Buffalo

Dr. Lee assumed a position as an ORISE Fellow with the Department of Health and Human Services, Washington, DC.

DECEMBER 2012 (FALL COMMENCEMENT)

Name: **Dr. Ayad K. Ali**
Dissertation Title: *Asthma-related Morbidity and Mortality in Patients Exposed to Inhaled Long-acting Beta-2-Andrenoceptor Agonist Bronchodilators*
Faculty Mentor: Dr. Abraham Hartzema, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S. in Pharmacy, University of Mosul, Iraq; M.S. in Pharmacy, University of Florida

Dr. Ali was seeking employment in the pharmaceutical industry.

Name: **Dr. Sriram Ambadapadi**
Dissertation Title: *Modulation of Steroid Sulfonation by Small Molecules that Interact with Sulfotransferases and Sulfatases*
Faculty Mentor: Dr. Margaret O. James, Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Pharmacy, Osmania University; M.S. in Analytical Chemistry, University of North Texas

Dr. Ambadapadi's position is unknown at this time.

Name: **Dr. Daniela Joice Conrado**
Dissertation Title: *Pharmacokinetic-Pharmacodynamic Modeling of Armodafinil: Effects on Electronencephalogram and Neurocognition of Sleep Deprived Adults*
Faculty Mentor: Dr. Hartmut Derendorf, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Pharmaceutical Sciences, Universidade Federal do Rio Grande do Sul, Brazil

Dr. Conrado assumed a position as a Post-doctoral Fellow in the area of Neuroscience Clinical Pharmacology with Pfizer, Inc., Cambridge, MA.

Name: **Dr. A.M. Mahbub Hassan**
Dissertation Title: *Valproic Acid-dextran Conjugate: Synthesis, Characterization and in vitro Hydrolysis Studies*
Faculty Mentor: Dr. Günter Hochhaus, Professor
Department: Pharmaceutics
Previous Degrees: M.S. in Pharmacy, University of Dhaka, Bangladesh

Dr. Hassan assumed a position as a Pharmacist with CVS, Summerfield, FL.

Name: **Dr. Yue Liu**
Dissertation Title: *Complex II of the Mitochondrial Respiratory Chain is the Key Mediator of Manganese-induced Hydrogen Peroxide Production in Microglia*
Faculty Mentor: Dr. Bin Liu, Associate Professor
Department: Pharmacodynamics
Previous Degrees: B.S. in Biotechnology, Beijing Forestry University; M.S. in Biopharmaceuticals, University of New South Wales

Dr. Liu assumed a position as a Post-doctoral Fellow at Northeastern University.

Name: **Dr. Mariellen Moore**
Dissertation Title: *Dysglycemic Effects of Antihypertensive Medication: Clinical, Genetic, and Molecular Predictors*
Faculty Mentor: Dr. Julie A. Johnson, Professor
Department: Pharmacotherapy & Translational Research
Previous Degrees: PharmD, University of Florida

Dr. Moore assumed a position as a Pharmacist with the Malcom Randall VA Medical Center, Gainesville, FL.

Name: **Dr. Wan Sun**
Dissertation Title: *Development of Disease Models for Neuropsychiatric Disorders*
Faculty Mentor: Dr. Günter Hochhaus, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Pharmaceutical Sciences, Peking University, China; M.S. in Pharmacology, Peking University, China

Dr. Sun assumed a position as a Research Fellow with the Food and Drug Administration, Silver Spring, MD.

Name: **Dr. Rui Wang**
Dissertation Title: *Discovery and Characterization of Small Molecule Activators of the Antioxidant Response Element*
Faculty Mentor: Dr. Hendrik Luesch, Associate Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Biotechnology, Inner Mongolia Agricultural University; M.S. in Applied Biomolecular Technology, University of Nottingham

Dr. Wang was seeking employment in the pharmaceutical industry.

MAY 2013 (SPRING COMMENCEMENT)

Name: **Dr. Efe Eworuke**
Dissertation Title: *Nontuberculous Mycobacterium in Patients with Cystic Fibrosis*
Faculty Mentor: Dr. Almut G. Winterstein, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S. in Pharmacy, University of Benin, Nigeria; M.S. in Pharmacology, Oxford University, England

Dr. Eworuke assumed a position as an Epidemiologist with the Food and Drug Administration, Silver Spring, MD.

Name: **Dr. Xiaodi Feng**
Dissertation Title: *Effects of Increased Maternal Cortisol on Maternal Metabolism and Fetal Development*
Faculty Mentor: Dr. Maureen Keller-Wood, Professor
Department: Pharmacodynamics
Previous Degrees: M.D. in Medicine, Shandong University, China

Dr. Feng's position is unknown at this time.

Name: **Dr. Karen Haug**
Dissertation Title: *Exploring the Effects of Ammi Visnaga L. on Nephrolithiasis Prevention: In Vivo Pharmacokinetic and Pharmacodynamic Evaluation of Ammi Visnaga L. Extract and Visnagin*
Faculty Mentor: Dr. Hartmut Derendorf, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Pharmacy, Tübingen University, Germany

Dr. Haug assumed a position as a Pharmacometrician with Boehringer Ingelheim Pharma GmbH & Co. KG, Germany.

Name: **Dr. Krishnakanth Kondabolu**
Dissertation Title: *In Vitro and In Vivo Pharmacology of Novel Phenylaminotetralin (PAT) Analogs at Serotonin 5-HT₂ Receptors: Development of Drugs for Neuropsychiatric Disorders*
Faculty Mentor: Dr. Raymond Booth, Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Pharmacy, Manipal University, India

Dr. Kondabolu assumed a position as a Post-doctoral Fellow with the College of Pharmacy at Northeastern University.

Name: **Dr. Li Li**
Dissertation Title: *Application of Pharmacokinetic and Pharmacodynamic Concepts in Drug Development: Preclinical PK Study of Mangosteen and PKPD Modeling of Glucocorticoids*
Faculty Mentor: Dr. Hartmut Derendorf, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Biology, Wuhan University, China; M.S. in Horticultural Sciences, University of Florida

Dr. Li assumed a position as a Scientist with Eli Lilly, Indianapolis, IN.

Name: **Dr. Stephan Linden**
Dissertation Title: *Risk of Suicide and Suicide Attempts Associated with Atomoxetine Compared to Central Nervous System Stimulant Treatment*
Faculty Mentor: Dr. Almut G. Winterstein, Professor
Department: Pharmaceutical Outcomes and Policy
Previous Degrees: B.S. in Pharmacy, Technical University Braunschweig, Germany

Dr. Linden assumed a position as a Global Epidemiologist with Boehringer Ingelheim, Germany.

Name: **Dr. Rana Abdelfattah Montaser**
Dissertation Title: *Structural Characterization, Biological Evaluation and Synthesis of Novel Secondary Metabolites from Guamanian Marine Cyanobacteria Lyngbya SPP*
Faculty Mentor: Dr. Hendrik Luesch, Associate Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Pharmaceutical Sciences, Faculty of Pharmacy, Ain Shams University, Cairo, Egypt

Dr. Montaser has chosen to stay at home with her new baby.

Name: **Dr. Lilibeth A. Salvador**
Dissertation Title: *Drug Discovery from Marine Cyanobacteria Symploca spp. and Phormidium spp: Novel Structures and Bioactivities of Secondary Metabolites*
Faculty Mentor: Dr. Hendrik Luesch, Associate Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. and M.S. in Chemistry, University of the Philippines, Diliman

Dr. Salvador assumed a position as a faculty member at the University of the Philippines, Quezon City, Metro Manila, Philippines.

Name: **Dr. Benjamin Weber**
Dissertation Title: *In Vitro and In Vivo Methods for Establishing Bioequivalence of Orally Inhaled Drug Products with Emphasis on Inhaled Corticosteroids*
Faculty Mentor: Dr. Günter Hochhaus, Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Pharmacy, University of Tuebingen, Germany; M.S. in Statistics, University of Florida

Dr. Linden assumed a position as a Pharmacometrician at Boehringer Ingelheim, Biberach, Germany.

Pharmaceutical Science Master's Degrees Conferred

AUGUST 2012 (SUMMER COMMENCEMENT)

Name: **Mr. Kamolrat Metavarayuth**
Faculty Mentor: Dr. Hendrik Luesch, Associate Professor
Department: Medicinal Chemistry
Previous Degrees: B.S. in Pharmacy, Chulalongkorn University, Bangkok, Thailand

Mr. Metavarayuth is continuing his education as a Graduate Student, University of South Carolina.

DECEMBER 2012 (FALL COMMENCEMENT)

Name: **Ms. Manasa Tatipalli**
Thesis Title: *Semi-Physiological Population PK/PD Model of ADC Neutropenia*
Faculty Mentor: Dr. Hartmut Derendorf, Distinguished Professor
Department: Pharmaceutics
Previous Degrees: B.S. in Pharmacy, Kakatiya University

Ms. Tatipalli assumed a position as a Research Associate, Genentech, San Francisco, CA.

Forensic Sciences Master's Degrees Conferred

This year in the Forensics Programs there were 393 students enrolled in one of the four Master's programs, DNA and Serology, Drug Chemistry, Forensic Science, and Pharmaceutical Chemistry; and 128 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 128 students who graduated; 2 (1.6%) from the Clinical Toxicology program, 33 (25.8%) from the DNA and Serology program, 3 (2.3%) from the Drug Chemistry program, 64 (50%) from the Forensic Science program, and 26 (20.3%) from the Pharmaceutical Chemistry program. Within the certificate programs there was a total of 83 students who received their certificate; 15 (18.1%) from the Death Investigation program, 28 (33.7%) from the DNA and Serology program, 8 (9.6%) from the Drug Chemistry program, 27 (32.5%) from Pharmaceutical Chemistry program, and 5 (6%) from the Clinical Toxicology 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	
DNA and Serology	Breeann Crutcher, Trisa	Markland, Ashley
	Davis, Clay Wade	Moseley Green, Erin
	Escasa, Julie Anne	Sundermeier, Tracy
	Hawotte, Mia	Watson, Brent Wayne
Drug Chemistry	Eckhardt, Megan	
Forensic Science	Banish, Andrea	Powell, Heidi
	Beatty, Christina	Roeser, Christopher
	Cervantes, Rosa	Roughsedge, Brittany
	Emmanuel, Samantha	Sanders, Suzette Noelle
	Hayner, Jennifer	Terwilliger, Tristy
	Heishman, Elizabeth	Tolmie, Kelli
	Lu, Yuan-chiao	Zielinski, Nickalus
	MacWilliams, Diane	
Pharmaceutical Chemistry	Billoch, Carla	Luther, Jennifer
	Hamerly, Michael	McCracken, William
	Hildebrandt, Michael	Shane, Adam
	Luera, Jon-Carlo	
Fall 2012		
DNA and Serology	Adams, Katie	Montgomery, Ruth
	Adviento, Jocelyn	Proctor, Adam
	Brown, Dennis	Quaal, Monica
	Bullock, Tabatha	Ribbing, Laura
	D'Amato, Amanda	Seubert, Heather
	Fishburn, Tonya	Thornburg, Carrie
	Guy, Shannin	Wilson, Melinda
	Honeycutt, Stephanie	
Drug Chemistry	Faneuf, Melissa	Skolly-Danziger, Susan
Forensic Science	Edmonds, Christopher	Perez Villegas, Martha Patricia
	Ferrer, Jimmy	Pittman, Erin
	Gilson, Amanda	Schwartz, Carey
	Gray, Virginia	Sivley, David
	Hinds, Kelly	Stanko, Jason
	Leffert, Kristina	Stone, Jeffrey
	Okorocho, Okorie	Taylor, Ashlee
	Oliver, Laura	Travis, Adrienne
	Parker, Megan	Velehorski, Natalie

Table 10: Master's Graduates in the Forensic Sciences Program (cont.)		
Program	Name	
Fall 2012		
Forensic Science (cont.)	Wieberg, Danielle	Yacovone-Margetts, Alyse
Pharmaceutical Chemistry	Adkins, Tiffany	Loi, Christopher
	Carr, Amanda	Waterman, Brian
	Linder, Derek	
Spring 2013		
Clinical Toxicology	Nocco, Robert	Ward, Jill
DNA and Serology	Dorsey, Cassandra	Kazemba, Krystal
	Dukes, Carlos	Lake, Jessica
	Haber, Sean	Sowards, Celynda
	Howell, Britany	Vassalotti, Angie
	Kaye, Nicole	Winters, Amy
Forensic Science	Bade, Elizabeth	Lopez, Christine
	Bollone, Brian	Merritt, Deborah
	Bragg, Shevaun	Musoff, Miranda
	Casey, Tanya	Oehlecker, Donald
	Cox, Sarah	Perez Alhadad, Jennifer
	Covio, Monica	Phillips, Whitney
	Freer, Edward	Reed, Andrea
	Furr, Leslie	Rickels, William
	Grigsby, Acacia	Singleton, Jeanna
	Hendrickson, Elyse	Snider, Fallon
	Hill, Christina	Sutton, Lerah
	Hinton, Kerry	Thomas, Vanessa
	Klick, Rachel	Ubbens, Alan
	Lees, William	Wiltshire, Orin
	Looke, Alexandra	Woods, Michael
Pharmaceutical Chemistry	Black, Troy	Sandberg, Robert
	Ernst, Britton James	Sotirovska, Natalija
	Clark, Gerald	Turner, Michele
	McMillan, Brian	Verona, Sheron
	Olson, Jared	Walton, Rosalyn
	Raddatz Hensley, Jessica	Webb, Travis
	Ray, William	Wilson, Anthony

Pharmacy Regulations and Policy Master's Degrees Conferred

This year in the Pharmacy Regulation and Policy Program there were 187 students enrolled in one of the seven programs offered; Applied Pharmacoeconomics, Clinical Research Regulations and Ethics, Drug Regulatory Affairs, Forensic Pharmacy, Institutional Pharmacy Leadership, Patient Safety & Risk Management, and Pharmacy Regulations and Policy. Within the Master's programs there was a total of 63 students who graduated; 31 (49.2%) from the Applied Pharmacoeconomics program, 3 (4.8%) from the Clinical Research Regulations and Ethics program, 9 (14.3%) from the Drug Regulatory Affairs program, 1 (1.5%) from the Forensic Pharmacy program, 2 (3.2%) from the Institutional Pharmacy Leadership program, 8 (12.7%) from the Patient Safety & Risk Management program, and 9 (14.3%) 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 2012		
Applied Pharmacoeconomics	Allen, Moses	Jones, Dwayne
	Emeka, Okwuchelu	Leong, Patrick
	Forgione, Erica	Pulliath, Indira
	Goldman, Daniel	Spear, Rachel
	Harris, Moise	Wamble, David
Drug Regulatory Affairs	Verna, Viky	
Patient Safety and Risk Management	Tomaka, Norman	
Pharmacy Regulations and Policy	Garbutt, Brandi	
Fall 2012		
Applied Pharmacoeconomics	Arledge, Michele	Kassebaum, Paul
	Evans, Nathan	Louie, Patrick
	Fredricks, Tuesday	Siegel, Joan
	Joshi, Kathy	
Drug Regulatory Affairs	Ayling, Heather	Whitley, Jeremy
	Hernandez, Robert	
Forensic Pharmacy	Chirayil, Joseph	
Institutional Pharmacy Leadership	Kesgen, Carl	
Patient Safety and Risk Management	Burrows, Terri	Sayed, Rukhama
	Diak, Ida-Lina	Smith, William
Pharmacy Regulations and Policy	Gilbert, John	
Spring 2013		
Applied Pharmacoeconomics	Aniagyei, Ebenezer	Majeroni, Elizabeth
	Baranowski, Eileen	Myers, Melissa
	Beacker, Mark	Pham, Hoa
	Clark, Ryan	Powell, Karen
	Denno, Melissa	Roland, Carl
	Flores, Daniel	Velez, Fulton
	Knudson, Rick	Willis, James
Clinical Research Regulations and Ethics	Hyers, Justin	Woodard, Lydia
	Vangessel, Matthew	
Drug Regulatory Affairs	Hernandez, Robert	Olson, Jenna
	Hoilett, Chantelle	Taylor, Anthony
	Oakland, Nancy	
Institutional Pharmacy Leadership	Nguyen, Tuan	
Patient Safety and Risk Management	Hirji, Fayaz	Simms, Kelley
	Johnson, Luchana	
Pharmacy Regulations and Policy	Bailey, M. Shane	Markhovsky, Larisa
	Chapman, Lynda	Ntamack, Andre
	Grimes, Brittany	Williams, Kristen
	Laird, Brian	

Medication Therapy Management Master's Degrees Conferred

This year in the Medication Therapy Management Program there were 48 students enrolled, of which 15 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

Fall 2012		
Chan, Grace YT	Hunt, Charmaine	Rossetto, Janel Beth
Foley, Cheryl Ann	Lamb, Kevin	
Homer, Candee	Rawlings, Pameil	
Spring 2013		
Adejumo, Kizito	Hammad, Mariam	Laslow, Dona
Brooks, AiAndra	Haydel, Melanie	Okegbenro-Jimoh, Bolanle
Carozzoni, Kimberly	King, Rose	

Graduate Student Funding and Awards

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

The COP carried the major load of the funding of graduate student stipends by supporting 52 graduate student stipends; eight students received support from extramural research grants; seven students were funded by their home government; and eight students funded their own graduate education this year. Ten students received Grinter Awards as a supplement to their state funding. Graduate stipends ranged from \$14,000 to \$25,750 with an average overall stipend of \$18,931.

Eight graduate student fellowship proposals totaling \$227,225 were submitted to extramural sources this year. Agencies to which proposals were submitted were the American Foundation for Pharmaceutical Education (AFPE), Alfred P. Sloan Foundation, American Heart Association, and the Schlumberger Foundation.

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 \$22,500/year for four years plus all tuition remuneration, and full health insurance coverage. The College of Pharmacy received five additional *Graduate School Fellowships*. The recipients of the *Graduate School Fellowships* are:

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
Bhargava Kandala	Pharmaceutics	FY 09/10
Jennifer Synovec	Medicinal Chemistry	FY 09/10
Yunyang Wang	Pharmacodynamics	FY 09/10
Greg Welder	Pharmacotherapy & Translational Research	FY 09/10
Lisa Zeigler	Pharmaceutical Outcomes and Policy	FY 09/10

Mary Kay Owens Fellowship

The Mary Kay Owens Fellowship is awarded to two graduate students each year in the Department of Pharmaceutical Outcomes and Policy. One of the students selected must be working in conjunction with the Center for Medicaid with a focus on analytical research, education and training in the areas of integrated, coordinated care models and technologies to promote patient-centered, quality driven healthcare solutions. This award consists of an annual stipend of \$20,000. The awardees are selected by the faculty in Pharmaceutical Outcomes and Policy. The recipients of the *Mary Kay Owen Fellowships* are:

Efe Eworuke	Pharmaceutical Outcomes and Policy	FY 12/13
Caitlin Knox	Pharmaceutical Outcomes and Policy	FY 12/13

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, especially for students involved with research related to pediatrics. This award consists of an annual stipend supplement of \$5,000. The awardee is selected by the faculty in Pharmaceutical Outcomes and Policy. The recipient of the *DuBow Fellowship* is:

Wei Liu	Pharmaceutical Outcomes and Policy	FY 12/13
----------------	------------------------------------	----------

Fulbright CAPES Scholarship

The *Fulbright CAPES Foundation* is a Brazilian government agency awarding scholarship grants to graduate students at universities and research centers in Brazil and Abroad. Its central purpose is to coordinate efforts to improve the quality of faculties and staff in higher education through its grant program. *CAPES* is particularly concerned with the training of researchers in doctorate, pre-doctoral short-term research and post-doctorate scholar programs. At present *CAPES* supports about 22,000 students in Brazilian graduate programs and 1,500 students in other countries. The recipient of the *Fulbright Capes Scholarship* is:

Daniela Conrado	Pharmaceutics	FY 09/10
------------------------	---------------	----------

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 70.69% acceptance of *Grinter Awards* by prospective students. Sixty-four 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 3.52 with a GRE of 308 and a TOEFL of 104.

Table 13: Statistical Summary of the Grinter Program – 1988 to Present			
Statistic	Overall	%	12/13 Class
Total number offered	126		3
Total number accepted	89	70.6%	3
Total number graduated	57	64.0%	
Total number still enrolled: past & present	15	16.9%	
Number of active awardees	10	11.2%	3
Grade Point Average (GPA)	3.52		3.67
Graduate Record Exam -GRE (Verbal + Quant.)	308		305
Test of English as a Foreign Language (TOEFL)	104		N/A

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

Kyle Kelly	Pharmacodynamics	FY 12/13
Donna Simpson	Pharmaceutical Outcomes and Policy	FY 12/13
Marci Smeltz	Medicinal Chemistry	FY 12/13
Sharvari Bhagwat	Pharmaceutics	FY 11/12
Kaley MacFadyen	Pharmacodynamics	FY 11/12
Guo Zhong	Medicinal Chemistry	FY 11/12
Erin Jackson	Medicinal Chemistry	FY 10/11
Xinyue Liu	Pharmaceutical Outcomes and Policy	FY 10/11
Danijela Stojanovic	Pharmaceutical Outcomes and Policy	FY 10/11
Rajiv Tikamdas	Pharmacodynamics	FY 10/11

26th 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

Caitlin Knox, a graduate student in the Department of Pharmaceutical Outcome and Policy working under Dr. Almut Winterstein, was awarded a 1 year \$42,000 Dissertation Award from the **Agency for Healthcare Research & Quality (AHRQ)** for her dissertation titled “*Pre-existing Diabetes and Pregnancy*”. Caitlin was also awarded a \$1,135 travel scholarship from the **International Society for Pharmacoepidemiology (ISPE)** to attend the International Conference on Pharmacoepidemiology and Risk Management in Barcelona, Spain in August, 2012.

Irene Murimi, a graduate student in the Department of Pharmaceutical Outcomes and Policy working under Dr. Abraham Hartzema, was selected as one of the recipients of the **University of Florida Graduate Student Teaching Awards for 2012-2013**. Irene received a commemorative plaque and a monetary award at the awards reception in April 2013, as well as being recognized in the commencement program. Irene was also selected to participate in the Society for Epidemiologic Research (SER) Dissertation Workshop, funded by the National Cancer Institute (NCI). This program admits 12 students nation-wide to present their dissertation ideas in front of a panel of established epidemiologists. NCI funded her travel, hotel and registration at the SER Conference in Boston, MA in June 2013.

Irene Murimi and **Jonathan Schelfhout**, graduate students in the Department of Pharmaceutical Outcomes and Policy working under Dr. Abraham Hartzema, were appointed to the Research Participation Program at the **Food and Drug Administration (FDA) Centers for Devices and Radiological Health (CDRH)** in recognition of their academic excellence and scientific achievement. This program is administered by the **Oak Ridge Institute for Science and Education (ORISE)** through the interagency agreement between the US Department of Energy and the US Food and Drug Administration. Each appointment carries a stipend of \$14,441/year.

Olihe Okoro, a graduate student in the Department of Pharmaceutical Outcomes and Policy working under Dr. Folakemi Odedina, was the recipient of the 2012 Dissertation Completion Award for \$3,000 from the **Sherri Aversa Memorial Foundation** for her dissertation titled “*Antiretroviral Medication Adherence Behavior of African American Women Living with HIV/AIDS: Investigating the Influence of Perceived Patient-centered Care and Observational Learning*”.

Mohamed Shahin, a graduate student in the Department of Pharmacotherapy & Translational Research and Center for Pharmacogenomics working under Dr. Julie Johnson, was selected as one of the **American Society for Clinical Pharmacology and Therapeutics (ASCPT) Presidential Trainee Award** winners for his poster titled “*VKORC1 ASP36TYR Genotype Distribution and its Impact on Warfarin Dose Requirements in Egyptians*”. Mohamed received a commemorative plaque and a complimentary registration to their annual meeting in Indianapolis, IN in March 2013. Mohamed also received a \$1,000 scholarship from the **2012 American Association of Colleges of Pharmacy (AACP) Walmart Scholars Program** to cover registration and travel expenses for the Teacher’s Seminar to the AACP Annual Meeting in Kissimmee, FL in July 2012.

Danijela Stojanovic, a graduate student in the Department of Pharmaceutical Outcomes and Policy working under Dr. Tommy Smith and Dr. Chris Delaney, was selected by the senior pharmacy students as the 2012-2013 recipient of the **Teaching Assistant Recognition Award**. Danijela received a commemorative plaque and was recognized at the College of Pharmacy Awards Program as well as the commencement ceremony.

Professional Student Awards and Recognitions

Jeffrey Consaul, a professional student at the Gainesville campus, won the 2013 Best Student Poster for his poster titled “*Methods to Detect Adverse Drug Reactions using Automated Healthcare Databases*” at the **Academy of Managed Care Pharmacy (AMCP) 25th Anniversary Meeting** in San Diego, CA in April 2013.

Tsu-Hsuan Yang, a professional student at the Gainesville campus, received an Honorable Mention in the Best Graduate Student, Resident or Fellow Poster category for her poster titled “*Improving the Participation Rate for Comprehensive Medication Reviews through Enhancing Part D Beneficiaries’ Understanding of the Service*” at the **Academy of Managed Care Pharmacy (AMCP) 25th Anniversary Meeting** in San Diego, CA in April 2013.

International Student Academic Awards

At the International Student Academic Awards Ceremony held November 15, 2012, in the Reitz Union Auditorium, four 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:

<p>Aline Barth Krishnakanth Kondabolu Olihe Okoro Mohamed Shahin</p>	<p>Pharmaceutics Medicinal Chemistry Pharmaceutical Outcomes and Policy Pharmacotherapy & Translational Research</p>
---	---

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.

[Return to Table of Contents](#)

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 18th this past year out of 74 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
2008	\$6,401,646	14	34	\$188,284	15
2009	\$6,081,908	19	34	\$178,880	22
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

* 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 137 extramural grant or contract applications from the five Departments for a total of \$47,707,754 in **new** grant dollars, see **Table 15**. This is a 45.2% decrease in total dollars requested when compared to FY 11/12, see **Table 16**. The majority of new proposals (78.1%) 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. Twenty-two 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 \$9,280,749 with 101 individual awards coming into the College of Pharmacy.

During FY 12/13 departmental comparisons show that Pharmacotherapy & Translational Research brought in the highest total of research dollars within the COP at 45.2% (\$4,193,929). Medicinal Chemistry was second at 22.9% (\$2,129,065); followed by Pharmaceutics at 11.3% (\$1,048,137); Pharmaceutical Outcomes and Policy at 10.7% (\$995,881); and Pharmacodynamics at 9.9% (\$913,737).

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 3.3% from FY 11/12 (**Tables 18 and 19**).

Table 15: Proposal Processing Summary

Department	Inside the College	Outside the College	Total
College Total			
# Proposals	107	30	137
Total Amount	\$41,699,926	\$6,007,828	\$47,707,754
Medicinal Chemistry			
# Proposals	29	5	34
Total Amount	\$6,824,540	\$962,622	\$7,787,162
Pharmaceutics			
# Proposals	27	5	32
Total Amount	\$5,436,262	\$890,966	\$6,327,228
Pharmacodynamics			
# Proposals	14	8	22
Total Amount	\$9,163,867	\$1,922,750	\$11,086,617
Pharm. Outcomes & Policy			
# Proposals	14	7	21
Total Amount	\$6,678,909	\$670,731	\$7,349,640
Pharm. & Translational Research			
# Proposals	23	5	28
Total Amount	\$13,596,348	\$1,560,759	\$15,157,107

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 11/12			
# proposals	94	30	124
Total Amount	\$81,939,431	\$5,105,939	\$87,045,370
FY 12/13			
# proposals	107	30	137
Total Amount	\$41,699,926	\$6,007,828	\$47,707,754

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 08/09 to FY 12/13

Department	08/09	09/10	10/11	11/12	12/13	Average 08/09 - 12/13	% of Total 12/13
COLLEGE TOTAL	\$8,807,502	\$10,550,670	\$10,621,827	\$8,983,763	\$9,280,749	\$9,648,902	100.00%
F&A	\$1,669,551	\$1,944,971	\$2,374,018	\$1,688,991	\$1,802,312	\$1,895,969	100.00%
# grants	100	101	99	99	101	100	
%F&A	23.4%	22.6%	28.8%	23.2%	24.1%	24.4%	
Medicinal Chemistry	\$2,333,801	\$1,949,202	\$2,685,604	\$1,501,112	\$2,129,065	\$2,119,757	22.94%
F&A	\$486,631	\$474,817	\$539,078	\$338,066	\$544,804	\$476,679	30.23%
# grants	14	10	12	10	15	12	
%F&A	26.3%	32.2%	25.1%	29.1%	34.4%	29.4%	
Pharmaceutics	\$1,297,192	\$1,249,516	\$1,327,201	\$787,275	\$1,048,137	\$1,141,864	11.17%
F&A	\$272,091	\$268,065	\$298,882	\$115,211	\$169,177	\$224,685	9.39%
# grants	24	17	14	13	22	18	
%F&A	26.5%	27.3%	29.1%	17.1%	19.2%	23.9%	
Pharmacodynamics	\$1,695,696	\$1,422,553	\$1,343,491	\$1,737,022	\$913,737	\$1,422,500	9.74%
F&A	\$492,574	\$403,359	\$389,791	\$502,161	\$284,523	\$414,482	15.79%
# grants	18	15	14	18	11	15	
%F&A	40.9%	39.6%	40.9%	40.7%	45.2%	41.5%	
Pharm. Outcomes and Policy	\$716,193	\$1,189,754	\$394,685	\$913,075	\$995,881	\$841,918	10.62%
F&A	\$142,039	\$81,474	\$94,293	\$56,126	\$154,504	\$105,687	8.57%
# grants	2	11	11	12	12	10	
%F&A	24.7%	7.4%	31.4%	6.5%	18.4%	17.7%	
Pharm. & Trans. Research	\$2,764,620	\$4,739,645	\$4,870,847	\$4,045,279	\$4,193,929	\$4,122,864	44.71%
F&A	\$276,216	\$717,256	\$1,051,974	\$677,428	\$649,305	\$674,436	36.03%
# grants	42.0	48.0	48.0	46.0	41.0	45	
%F&A	11.1%	17.8%	27.5%	20.1%	18.3%	19.0%	

F&A = Facilities and Administrative Costs

Table 18: Total Extramural Support - FY 08/09 to FY 12/13

Dept.	08/09	09/10	10/11	11/12	12/13	Average 08/09-12/13
COLLEGE TOTAL	\$8,928,374	\$10,631,032	\$10,621,827	\$8,983,763	\$9,280,749	\$9,689,149
F&A	\$1,689,699	\$1,944,971	\$2,374,018	\$1,688,991	\$1,802,312	\$1,899,998
# grants	104	103	99	99	101	101.2
%F&A	23.3%	22.4%	28.8%	23.2%	24.1%	24.4%
RESEARCH	\$8,807,502	\$10,550,670	\$10,621,827	\$8,983,763	\$9,380,749	\$9,668,902
F&A	\$1,669,551	\$1,944,971	\$2,374,018	\$1,688,991	\$1,802,312	\$1,895,969
# grants	100	101	99	99	102	100.2
%F&A	23.4%	22.6%	28.8%	23.2%	23.8%	24.3%
ADMINISTRATION	\$120,872	\$80,362	\$0	\$0	\$0	\$40,247
F&A	\$20,148	\$0	\$0	\$0	\$0	\$4,030
# grants	4	2	0	0	0	1.2
%F&A	20.0%	0.0%	0.0%	0.0%	0.0%	4.0%

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. At 49%, just under half of the College’s extramural support comes from Federal Agencies. Federal dollars were earmarked entirely for research purposes and showed a 7.0% increase in dollars in spite of its 10.7% decrease in the number of awards this year from FY 11/12. State dollars increased by 31%; Corporations and Companies showed a significant decrease of 43.7% in dollars received; and Foundation and Society monies also showed a considerable increase of 96.8% in the dollars received compared to FY 11/12. The College experienced an increase of 500.9% 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 11/12		FY 12/13	
	# of awards	Total Dollars	# of Awards	Total Dollars
Federal Agencies	56	\$6,930,207	50	\$7,412,386
Florida State Agencies	4	\$332,633	4	\$435,658
Corporations and Companies	23	\$1,417,711	20	\$797,960
Foundations and Societies	13	\$293,813	18	\$578,260
Other	3	\$9,400	9	\$56,486
Total Comparison	99	\$8,983,763	101	\$9,280,749

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.

Sponsor	FY 11/12			FY 12/13		
	Count	Total	F&A	Count	Total	F&A
AHCA/CMS	1	\$192,650	\$17,514			
AHRQ	1	\$25,379	\$8,202	1	\$26,212	\$8,620
Food & Drug Administration	1	\$539,114	\$0			
Centers for Med/Med Service - Florida				1	\$571,548	\$114,310
Med Quality Assurance				1	\$18,200	\$5,985
Center for Disease Control & Prevention				47	\$6,796,426	\$1,419,640
NIH	53	\$6,173,064	\$1,358,368			
Total Federal Agencies	56	\$6,930,207	\$1,384,084	50	\$7,412,386	\$1,548,555

F&A = Facilities and Administrative Costs

Sponsor	FY 11/12			FY 12/13		
	Count	Total	F&A	Count	Total	F&A
Department of Environmental Protection	1	\$24,193	\$4,839			
Department of Citrus				1	\$225,000	\$20,455
Department of Health	3	\$308,440	\$39,604	3	\$210,658	\$31,056
Total Florida State Agencies	4	\$332,633	\$44,443	4	\$435,658	\$51,511

F&A = Facilities and Administrative Costs

Table 22: Corporations and Companies Comparison

Sponsor	FY 11/12			FY 12/13		
	Count	Total	F&A	Count	Total	F&A
Aegerion Pharmaceuticals				2	\$77,500	\$15,500
AstraZeneca	2	\$131,850	\$37,550	2	\$121,866	\$38,074
Boehringer Ingelheim Intl GMBH	1	\$6,800	\$2,158	1	\$100,000	\$20,000
Clinical Research GMBH				1	\$14,034	\$1,276
Compleware Corp				4	\$75,358	\$15,072
Daiichi Sanyko Pharma Development				1	\$150,000	\$30,000
Denali Biotechnologies, LLC.				1	\$2,500	\$0
Eli Lilly & Co.				1	\$40,000	\$0
FEFA INC	1	\$309,202	\$64,523			
Glaxo SmithKline, Inc.	1	\$30,759	\$6,152	1	\$0	\$0
Golin-Harris Int'l, Inc.	1	\$5,000	\$1,000	1	\$5,000	\$1,000
Jacobus Pharmaceuticals	1	\$192,043	\$38,408	1	\$54,450	\$10,890
Media Pharma GMB & CO KG	3	\$110,421	\$22,084			
Merck - University of Texas	1	\$57,475	\$11,495			
Micormedic Technologies	1	\$38,500	\$7,700			
Parexel International Corporation				1	\$2,500	\$500
Pfizer, Inc.	1	\$200,000	\$0	1	\$100,000	\$0
Sun Biopharma				1	\$49,024	\$8,171
TKL Research	1	\$5,750	\$1,150			
Watson Laboratories	7	\$236,700	\$47,340			
Watson Pharmaceuticals	1	\$87,060	\$7,915	1	\$5,728	\$521
Wyle Laboratories	1	\$6,151	\$2,011			
Total Corporations and Companies	23	\$1,417,711	\$249,486	20	\$797,960	\$141,003

F&A = Facilities and Administrative Costs

Table 23: Foundations and Societies Comparison

Sponsor	FY 11/12			FY 12/13		
	Count	Total	F&A	Count	Total	F&A
American Cancer Society	1	\$11,492	\$1,915	2	\$41,492	\$1,915
Am Foundation for Pharmaceutical Edu	6	\$19,500	\$0	5	\$20,500	\$0
American Heart Association	1	\$77,000	\$7,000	1	\$22,180	\$0
American Pharmacists Association	1	\$1,000	\$0			
Am Soc Health System Pharm Fdtn				1	\$235,463	\$17,442
Calspan-Univ Buffalo Res Cntr (CUBRC)				5	\$117,188	\$23,438
CHDI Foundation	1	\$28,271	\$0			
Cystic Fibrosis Foundation				1	\$1,500	\$0
Natl Fdtn Centers Dis Ctrl & Prevention				1	\$89,137	\$6,602
Oak Ridge Association Universities				1	\$800	\$0
Society for Women's Health research	1	\$49,700	\$0			
Schlumberger Foundation				1	\$50,000	\$0
UF Foundation	1	\$100,000	\$0			
University of Colorado	1	\$6,850	\$623			
Total Foundations and Societies	13	\$293,813	\$9,538	18	\$578,260	\$49,397

F&A = Facilities and Administrative Costs

Table 24: Other Comparison						
Sponsor	FY 11/12			FY 12/13		
	Count	Total	F&A	Count	Total	F&A
Embassy Arab Rep Egypt				1	\$10,000	\$0
Miscellaneous Donors	2	\$2,200	\$0	1	\$134	\$0
Multiple Sponsors	1	\$7,200	\$1,440	6	\$26,352	\$5,270
University of Lisbon				1	\$20,000	\$6,577
Total Other	3	\$9,400	\$1,440	9	\$56,486	\$11,847

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 an increase of 4.3% (**Table 25**).

Table 25: Clinical Laboratory Income	
FY 11/12	FY 12/13
\$419,900	\$438,100

Licensing and Royalty Income

Through licensing and maintenance fees the College of Pharmacy generated a total of \$171,107 in revenues during FY 12/13. These monies were distributed to the College as outlined in the UF IP distribution policy.

Graduate Student Research Activities

Erin Bruce, a graduate student in the Department of Pharmacodynamics working with Dr. Michael Katovich, was awarded the 2013 Cardiovascular Section Research Recognition Award from the **American Physiological Society (APS)** for her abstract titled "*Lenti-Angiotensin-(1-7) Transduction of Islet+Cardiac Progenitor Cells Improves the Reparative Capacity in Doxorubicin Induced Cardiomyopathy*". She received \$500, a commemorative certificate, and complimentary registration and banquet ticket to the APS-EB meeting in Boston, MA in April 2013. Erin also was awarded a 2012 Junior Investigator Travel Award for \$500 from the **American Heart Association (AHA)** for her poster titled "*Stimulation of Angiotensin Type 2 Receptor as a Potential Therapy for Pulmonary Hypertension*" to attend the AHA meeting in San Diego, CA in November 2012.

Daniela Conrado, a graduate student in the Department of Pharmaceutics working with Dr. Hartmut Derendorf, was awarded a \$1,000 honorarium, a certificate and complimentary registration from the **American College of Clinical Pharmacology (ACCP) Student/Trainee Award** for her abstract titled "*Pharmacokinetic-Pharmacodynamic Modeling of the Electroencephalogram Effect of Armodafinil: Correlation with Behavioral Alertness*" during the 2012 ACCP Annual Meeting in San Diego, CA in September 2012.

Efe Eworuke, a graduate student in the Department of Pharmaceutical Outcomes and Policy working with Dr. Almut Winterstein, was awarded a 1-year \$1,500 Student Traineeship by the Cystic Fibrosis Foundation for her project titled "*Nontuberculous Mycobacteria in Cystic Fibrosis*".

Erin Jackson, a graduate student in the Department of Medicinal Chemistry working with Dr. Margaret James, was awarded a travel scholarship for her poster titled "*Isoform-selective Glucuronidation of Triclosn*" to attend the **2013 ASPET/EB Annual Meeting** in Boston, MA in April 2013.

Jason Kwan and **Kanchan Taori**, graduate students in the Department of Medicinal Chemistry working with Dr. Hendrik Luesch, was part of a team of authors who received **First Prize of Article Award of 2013** published in **Marine Drugs**. The other co-authors were Dr. Valerie J. Paul and Dr. Hendrik Luesch for the article titled “*Lyngbyastatins 8-10, Elastase Inhibitors with Cyclic Depsipeptide Scaffolds Isolated from the Marine Cyanobacterium Lyngbya Semiplena*”.

Olihe Okoro, a graduate student in the Department of Pharmaceutical Outcomes and Policy working with Dr. Folakemi Odedina, was the recipient of the 2012-2013 Faculty For The Future Award for \$50,000 from the **Schlumberger Foundation** for her project titled “*Antiretroviral Medication Adherence Behavior of African American Women Living with HIV/AIDS: Investigating the Influence of Perceived Patient-centered Care and Observational Learning*”.

Dipanwita Pati, a graduate student in the Department of Pharmacodynamics working with Drs. Frazier and Krause, was awarded a two-year pre-doctoral fellowship from the **American Heart Association** for her project titled “*The Effect of Peripheral Salt Loading on Central Circuits that Regulate Stress*”.

Wan Sun, a graduate student in the Department of Pharmaceutics working with Dr. Hartmut Derendorf, was awarded a \$1,000 honorarium, a certificate and complimentary registration from the **American College of Clinical Pharmacology (ACCP) Student/Trainee Award** for her abstract titled “*Development of a Disease Model for Bipolar Disorder*” during the 2012 ACCP Annual Meeting in San Diego, CA in September 2012.

Marina Suzuki-Kawaguchi, a graduate student in the Department of Pharmacotherapy & Translational Research working with Dr. Reginald Frye, was one of six winners in the poster division at the **I-cubed Graduate Research Day** held in the Reitz Union on Main Campus in October 2012. Marina’s poster was titled “*Milk Thistle Drug Interaction Study: No Effect on CYP1A2, CYP3A, CYP2D6 Activities in Healthy Participants*”.

Professional Student Research Activities

As the understanding of the development of new pharmaceutical agents and streamlining the drug use process is an integral part of a pharmacy student’s education, the College offers a series of “**Problems in Pharmacy**” courses that expose students to various aspects of the research process. Each department in the College offers a “**Problems in Pharmacy**” course that is designed to specifically target their individual research areas. In addition to the “**Problems in Pharmacy**” courses, professional students interested in research select faculty mentors and submit grant or fellowship applications to outside funding agencies to support their research efforts. This year we didn’t have any professional students who secured extramural funding.

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 \$4,500 to both first (1PD) and second (2PD) year PharmD students. The recipients of the summer internships are:

Student Name	Campus	Mentor
Joseph Abbatematteo	Gainesville	Dr. Michael Katovich
Alan Beers	Gainesville	Dr. Margaret James
James Catlin	Gainesville	Dr. Rhonda Cooper-DeHoff
Sonya Chacko	Gainesville	Dr. Teresa Roane
Tina Chen	Gainesville	Dr. Sihong Song
Ruti Dwivedi	Gainesville	Dr. Julie Johnson
Sofia Garcia	Gainesville	Dr. Julie Johnson
Brian Gawronski	Gainesville	Dr. John Markowitz
Carly Hendrix	Gainesville	Dr. Anna Hall
Lauren Hundley	Gainesville	Dr. Earlene Lipowski
Andrew Hwang	Gainesville	Dr. Rhonda Cooper-DeHoff
Amy Kiskaddon	Gainesville	Dr. Almut Winterstein
Mark Lahey	Gainesville	Dr. Reginald Frye
Kristen Lee	Gainesville	Dr. Heather Hardin
Anne Lucas	Gainesville	Dr. Julie Johnson
Dan Nguyen	Gainesville	Dr. Eric Krause
John Prybylski	Gainesville	Dr. Kenneth Sloan
Whitney Ruddock	Gainesville	Dr. Richard Segal
Vaishali Shah	Gainesville	Dr. Almut Winterstein

Student Name	Campus	Mentor
Cameron Wilson	Gainesville	Dr. Charles Peloquin
Daniel Zambrano	Gainesville	Dr. Abraham Hartzema
Brian Moravan	Jacksonville	Dr. Kathleen Baldwin
Casey Steward	Jacksonville	Dr. John Lima
Amanda Loomer	Orlando	Dr. Gregory Roth
Mia-Thao Nguyen	Orlando	Dr. Otta Phanstiel
Jeffrey Consaul	St. Petersburg	Dr. Tim Regan

Post-doctoral Fellow Research Activities and Awards

Dr. Xi-Ling Jiang, a post-doctoral fellow in the Department of Pharmaceutics at the Lake Nona Campus working with Dr. Stephan Schmidt, was awarded the **American College of Clinical Pharmacology (ACCP) Student/Trainee Award** which consisted of a \$1,000 honorarium, a commemorative plaque and complimentary registration to attend the American College of Clinical Pharmacology (ACCP) Annual Meeting and Awards Dinner in Bethesda, MD in September 2013 where she will present her poster titled “*Development of a Minimal Physiologically-based Pharmacokinetic and Pharmacodynamic Model for Characterizing the Impact of Genetic and Demographic Factors on Clopidogrel Treatment Response in Healthy Adults*”. Dr. Jiang also received first place in the poster division at the **FDA’s Office for Clinical Pharmacology Science Day** for her poster titled “*Development of Physiologically-based Pharmacokinetic (PBPK) Model of Acetaminophen by Integrating Clinical Pharmacokinetics and In Vitro Enzyme Kinetic Data*”. Dr. Jiang was also selected as one of the **American Society for Clinical Pharmacology and Therapeutics (ASCPT) Presidential Trainee Award** winners for her poster titled “*Application of Physiologically-based Pharmacokinetic (PBPK) Model in Predicting Drug Metabolism and Pharmacokinetics in Pediatric Populations – A Case Study of Acetaminophen*”. Dr. Jiang received a commemorative plaque and a complimentary registration to their annual meeting in Indianapolis, IN in March 2013.

Dr. Mohamed E. Mohamed, a post-doctoral fellow in the Department of Pharmacotherapy & Translational Research working with Dr. Reginald Frye, passed the Board of Pharmacy Specialties certification examination in Pharmacotherapy. Pharmacotherapy is that area of pharmacy practice that is responsible for ensuring the safe, appropriate, and economical use of drugs in patient care. The pharmacotherapy specialist has responsibility for direct patient care, often functions as a member of a multidisciplinary team and is frequently the primary source of drug information for other healthcare professionals.

Dr. Danielle Pierini, a post-doctoral fellow in the Department of Pharmacotherapy & Translational Research working with Dr. Kathryn Vogel-Anderson, was awarded a \$500 travel award from the **American College of Clinical Pharmacy (ACCP)** to attend their annual meeting in Hollywood, FL in September 2012.

Dr. Vinayak Shenoy, a post-doctoral fellow in the Department of Pharmacodynamics working with Dr. Michael Katovich, was awarded the **NCRP Winter 2012 Scientist Development Grant** from the **American Heart Association** for his proposal titled “*Therapeutic Role of ACE2 in Pressure-overload Induced Right Ventricular Dysfunction and Failure*”. This award is for \$77,000/year for four years.

Dr. Songmao (Ben) Zheng, a post-doctoral fellow in the Department of Pharmaceutics at the Lake Nona Campus working with Dr. Stephan Schmidt, was awarded the **American College of Clinical Pharmacology (ACCP) Student/Trainee Award** which consisted of a \$1,000 honorarium, a commemorative plaque and complimentary registration to attend the American College of Clinical Pharmacology (ACCP) Annual Meeting and Awards Dinner in Bethesda, MD in September 2013 where he will present his poster titled “*Development of a Tissue Distribution Population Pharmacokinetic Model for Zaithromycin*”.

[Return to Table of Contents](#)

U.S.-Thai Consortium Activities

History of the U.S.-Thai Pharmacy Consortium

In 1993, the University of Florida College of Pharmacy, along with nine other U.S. Pharmacy Schools and the American Association of Colleges of Pharmacy, signed a Memorandum of Agreement (MOA) with all nine (at that time) Thailand Colleges of Pharmacy which together designated the U.S.-Thai Pharmacy Consortium Agreement. The Official website of this consortium can be found at: <http://usthai.pharmacy.psu.ac.th/index.php>. Since then, the number of Thai schools in the consortium has doubled to 18 as well as the addition of seven U.S. schools who have joined the Consortium. Please see the current listing below of current members of the consortium. In 2008 a new MOA was renewed for an additional 14 years.

The mission of the U.S.-Thai consortium is to foster a formal link, on an institutional basis, in recognition of the long-term development plan of the Ministry of University Affairs to enhance academic, research, and clinical programs of their Schools of Pharmacy and Pharmaceutical Sciences by providing Thai pharmacists (faculty at the various Thai pharmacy schools), that are selected by a Royal Thai Government Panel, the opportunity for advanced professional (PharmD) or graduate (Ph.D.) study in programs in the selected U.S. pharmacy schools. In return, the Royal Thai government will pay all stipend and tuition costs for these students for a period of five years and provide return favors for both professional students and faculty to visit Thailand and become involved in post-graduate pharmacy education abroad. The long-term goal of the program is to expand the number of pharmacy school and pharmacy faculty members in Thailand, and the subsequent training of additional pharmacists for practice; thereby, strengthening both pharmacy education and practice to improve the health and welfare of the Thai people.

From its conception in 1993 until 2008, the Executive Associate Dean had served as the principal liaison for the college. Since 2008 Dr. Earlene Lipowski has been serving in this role. As part of the original charter, it was agreed that all parties would meet once a year to discuss the progress of the U.S.-Thai Consortium. These annual meetings would be held in either Thailand or the U.S. on alternating years. The first meeting was held in Bangkok, Thailand in 1994; Purdue University in 1995; Phuket, Thailand in 1996; Baltimore, MD in 1997; Chiang Mai, Thailand in 1998; Orlando, FL in 2000; Bangkok, Thailand in 2002; Chicago, IL in 2004; Bangkok, Thailand in 2007; Madison, Wisconsin in 2008; and Phuket, Thailand in 2011. In 2014 the 20th anniversary meeting of the consortium will be held in Baltimore, MD at the University of Maryland School of Pharmacy. (see below **U.S.-Thai Pharmacy Education Consortium Meeting**).

Current List of Thai and U.S. Schools of Pharmacy in the Consortium

Thailand

1. Burapha University
2. Chiang Mai University
3. Chulalongkorn University
4. Eastern Asia University
5. Huachiew Chalermprakiet University
6. Khon Kaen University
7. Mahasarakham University
8. Mahidol University
9. Naresuan University
10. Payap University
11. Phayao University
12. Prince of Songkla University
13. Rangsit University
14. Siam University
15. Srinakharinwirot University
16. Silpakorn University
17. Ubon Ratchathani University
18. Walailak University

United States

1. Auburn University
2. Ohio State University
3. Purdue University
4. University of Arizona
5. University of Florida
6. University of Illinois – Chicago
7. University of Iowa
8. University of Kentucky
9. University of Maryland - Baltimore
10. University of Minnesota
11. University of North Carolina – Chapel Hill
12. University of Texas – Austin
13. University of Utah
14. University of Washington
15. University of Wisconsin – Madison
16. West Virginia University
17. American Association of Colleges of Pharmacy

U.S.-Thai Pharmacy Education Consortium Meeting

In September 2012, Dr. Lipowski was appointed to the Steering Committee which took the lead in organizing the next meeting, the [U.S.-Thai Consortium for the Development of Pharmacy Education 20th Anniversary Conference](#) to be hosted by the University of Maryland School of Pharmacy May 28-30, 2014.

Also during the 2012-13 year two U.S. institutions applied to join the Consortium and were approved by the Pharmacy Education Council of Thailand. The two new members are West Virginia University and Auburn University.

On December 10, 2012, two faculty delegates from Burapha University in Thailand visited the University of Florida; the President of Burapha University, Professor Sompol Pongthai, M.D., and the Dean of Pharmacy, Dr. Sindhchai Keokitichai. Each delegate met with our department chairs as well as other College deans to discuss collaborative activities. From this visit UF executed a 5 year Cooperative Agreement with Burapha University to enhance the academic and research interchange between the two institutions with respect to both faculty and student activities.

Thai Students in the College of Pharmacy

Listed below (**Table 26**) are the Thai students enrolled during FY 12/13. We have one student who is a recipient of the Royal Thai Scholarship from their government to study abroad for their Ph.D. degree.

Table 26: Thai Students			
Name	Department	THAI Pharmacy College	Date Entered
Metavarayuth, Kamolrat *	Medicinal Chemistry	Chulalongkorn University	FY 10/11
Prasanchaimontri, Ing-orn	Pharmaceutics	Chulalongkorn University	FY 12/13

* not a Royal Thai Scholar

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 19, 2012, in the Grand Ballroom at the Reitz Student Union from 6:00 PM to 8:00 PM. This year we had 155 faculty, staff and students. At the reception this year 22 new graduate students, 3 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 26th Annual Research Showcase and Awards Recognition Day took place on Thursday, February 28, 2013, 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 of our many sponsors. Our major sponsors this year were **Dr. Maureen McKenzie** through *DENALI BioTechnologies, Inc.*, Soldotna, AK; **Dr. Robert Crisafi** (Class of 1956) of Winchester, MA; and **Dr. David W. Newton** (Class of 1976) of Winchester, VA. Other longtime supporters were **Dr. Kerry Estes** through *PK-P'Dyne, Inc.*, Gainesville, FL; **Dr. April Barbour** (Class of 2009) of Philadelphia, PA; **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. For a complete list of our sponsors please refer to the program booklet.

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. Heather Hardin**, Clinical Assistant Professor, Department of Pharmacotherapy & Translational Research, College of Pharmacy; **Dr. Lori Knackstedt**, Assistant Professor, Department of Psychology, College of Liberal Arts and Sciences; and **Dr. Xin (Cindy) Qi**, Assistant Professor, Department of Medicinal Chemistry, College of Pharmacy.

The winners of the oral competition are:

Senior Division – winner

Lilibeth Salvador

Medicinal Chemistry

\$600 cash award

Title: "Potent Elastase Inhibitors from Cyanobacteria: Structural Basis and Mechanisms Mediating Cytoprotective and Anti-Inflammatory Effects in Bronchial Epithelial Cells"

Senior Division – finalists

Xiaodi Feng

Pharmacodynamics

\$300 cash award

Title: "Cortisol Increases Activated Caspase-3 in Conductive Cells in the Fetal Heart"

Rana Montaser Medicinal Chemistry \$300 cash award
Title: “Structural Characterization, Biological Evaluation and Synthesis of Novel Natural Products from Guamanian Marine Cyanobacteria”

Junior Division – winner

Luning Zhuang Pharmaceutics \$600 cash award
Title: “Characterization of in vitro Antimicrobial Activity of Vertilmicin Alone and in Combination with Ceftazidime using Semi-mechanistic Pharmacokinetic/Pharmacodynamic Model”

Junior Division – finalists

Michelle Suzanne Bousquet Medicinal Chemistry \$300 cash award
Title: “Elucidating Activation Pathways of the Antioxidant Response Element Using Chemical and Genomic Approaches”

Marina Kawaguchi-Suzuki Pharmacotherapy & Translational Research \$300 cash award
Title: “Chronic Administration of Milk Thistle Does Not Alter CYP1A2, CYP2C9, CYP2D6, and CYP3A4/5 Activities in Healthy Volunteers”

Levitt Division – winner

Wei Liu Pharmaceutical Outcomes and Policy \$600 cash award
Title: “A Large Cohort Study of Nonsteroidal Anti-inflammatory Drugs and Renal Cell Carcinoma Incidence in the National Institutes of Health – AARP Diet and Health Study”

Levitt Division – finalist

Caitlin Knox Pharmaceutical Outcomes and Policy \$300 cash award
Title: “Patient Understanding of Drug Risk: Analysis of Medication Guide Assessments”

For the poster competition this year we had 28 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. Guohua An**, Assistant Professor, Department of Pharmaceutics, College of Pharmacy; **Dr. Annette de Kloet**, Post-doctoral Associate, Department of Physiology and Functional Genomics, College of Medicine; **Dr. Yanxia Liu**, Assistant Scientist, Department of Medicinal Chemistry, College of Pharmacy; **Dr. Drake Morgan**, Assistant Professor, Department of Psychiatry, College of Medicine; **Dr. Vinayak Shenoy**, Research Assistant Professor, Department of Pharmacodynamics, College of Pharmacy; **Dr. Betty Yao**, Associate Director, AbbVie, North Chicago, IL.

The winners of the poster competition are:

Graduate Student Division – winners

Erin Bruce Pharmacodynamics \$300 cash award
Title: “Stimulation of Angiotensin Type 2 Receptor as a Potential Therapy for Pulmonary Hypertension”

Mohamed Hossam Shahin Pharmacotherapy & Translational Research \$300 cash award
Title: “VKORC1 Asp36Tyr Geographic Distribution and its Impact on Warfarin Dose Requirements in Egyptians”

Professional Student Division – winners

Chestine Libema Pharmacotherapy & Translational Research \$300 cash award
Title: “Effects of Pterostilbene on Drug-metabolizing Enzymes”

Vaishali Shah Pharmaceutical Outcomes and Policy \$300 cash award
Title: “Treatment Patterns in Medicaid Youths with Co-morbid ADHD and ODD/CD”

Post-doctoral Fellow Division – winner

Caitrin McDonough Pharmacotherapy and Translational Research \$300 cash award
Title: “Assessment of Atenolol Induced HDL-C Change in the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR) Study”

[Return to Table of Contents](#)

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 Executive Associate Dean served on various College, Health Science Center and University Committees throughout the academic year.

COLLEGE COMMITTEES

- **Executive Council**: This committee met each month throughout the year to discuss 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 Executive 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 will be 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 twice this academic year.
- **Faculty Governance Council**: The Executive Associate Dean serves as a non-voting *ex-officio* member of the Faculty Governance Council. The Faculty Governance Council (FGC) is comprised of faculty and college administration, who together make policies relevant to the faculty. The FGC met nine times this past 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.
- **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. Kenneth Gerhardt, Associate Dean for Graduate Programs.
- **Land Use Facilities Planning Committee**: The Executive Associate Dean this past year served as the Chair of the Committee. This committee met monthly to provide recommendations to UF entities related to policies related to UF land use and facilities development. The breadth of this committee considered the land use for new building sites as well as planning for proposed renovation of existing buildings. Our charge was to also assist in the development and updating of the UF Master Plan related to land and building use.
- **Academic Infrastructure Council**: As chair of the Land Use and Facilities Planning Committee the Executive Associate Dean is also a member of the Senate’s Academic Infrastructure Council. This council's area encompasses the University's infrastructure supporting the University's academic mission, including the provision of physical facilities and other physical resources; libraries; information technology; the campus master plan; and the availability of adequate computer, classroom, laboratory and other resources. This Committee met monthly throughout the Fall and Spring Semesters of 2012-2013.

Conferences Attended Related to ORGS and COP Activity

- **COP National Advisory Board:** The Executive Associate Dean attended the Fall 2012 (September) Advisory Board Meetings. The Spring NAB was cancelled.
- **AACP Interim Meeting:** The Executive Associate Dean did not attend this meeting this academic year.
- **AACP Annual Meeting:** The Executive Associate Dean attended the 2013 AACP Annual Meeting in Kissimmee, FL, from July 13th to July 17th, 2013.
- **NCURA Annual Meetings:** The Grants Specialist attended the 2012 National Council of University Research Administrators (NCURA) Annual Meeting in Washington, DC from November 4th to November 8th, 2012.

Appendices

Section

A = Letter to Graduate Applicants

B = Complete Listing of Extramural Support by Department and Faculty

C = 26th Annual Research Showcase and Awards Recognition Day Booklet

[Return to Table of Contents](#)

Dear Applicant:

Thank you for your interest in graduate education in the College of Pharmacy at the University of Florida. The College of Pharmacy currently has four major areas of graduate concentration. These areas include Medicinal Chemistry, Pharmaceutics, Pharmacodynamics and Pharmaceutical Outcomes and Policy. In your letter you did not indicate which graduate area(s) of study you are interested in.

We ask at this time that you please specify your area of research concentration. In doing this you would certainly expedite the application process and minimize the receipt of extra information about areas of research you have no interest in.

All College of Pharmacy graduate programs can be accessed on the World Wide Web (<http://www.cop.ufl.edu>). Using the WWW you would get a comprehensive review of the underlying theme of each of our graduate programs as well as the faculty and their research interests. Furthermore, you can download all application and admission forms for graduate study at the University of Florida from this web site. I strongly encourage you to utilize this source of information (WWW), as this is your most efficient mechanism to apply to one or more of the graduate programs in the College of Pharmacy.

In the event that you do not have access to the WWW, listed below is each of the Graduate Programs in the College of Pharmacy. We have included a short overview of the area of graduate concentration with the name, address, phone number and e-mail address of the respective graduate coordinator.

Graduate Program in Medicinal Chemistry

Medicinal Chemistry is a unique blend of the physical and biological sciences. The scope of the field is sufficiently broad to give students with many different science backgrounds a rewarding and challenging program of study. Areas of active research include natural products, chemistry, drug delivery systems, organic synthesis of medicinal agents, metal chelate design, drug metabolism, molecular toxicology, molecular biology, analytical and forensic chemistry, molecular modeling and drug discovery. The department has excellent facilities for research in the major areas of Medicinal Chemistry and faculty have been highly successful in attracting extramural research support for the past several years.

Graduate Coordinator: Dr. Raymond Bergeron
Department of Medicinal Chemistry
PO Box 100485
College of Pharmacy, University of Florida
Gainesville, Florida 32610-0485
(352) 273-7726, E-mail: bergeron@mc.cop.ufl.edu

Graduate Program in Pharmaceutics

Research in the Pharmaceutics Department encompasses basic, applied, and clinical investigations in (i) pharmacokinetics/biopharmaceutics, (ii) pharmaceutical analysis, (iii) pharmaceutical biotechnology and drug delivery. In addition to teaching, all faculty members are involved in collaborative research projects with clinical and other basic scientists with the Health Center or on campus. Many maintain collaborative ties with scientists in other universities and the pharmaceutical industry worldwide.

Graduate Coordinator: Dr. Tony Palmieri
Department of Pharmaceutics
PO Box 100494
College of Pharmacy, University of Florida
Gainesville, Florida 32610-0494
(352) 273-7868, E-mail: palmieri@cop.ufl.edu

Training Program in Clinical Pharmaceutical Sciences

The Clinical Pharmaceutical Sciences training program is a collaborative effort between the Departments of [Pharmacotherapy & Translational Research](#) and [Pharmaceutics](#). The goal of the Clinical Pharmaceutical Sciences training program is to prepare motivated individuals to pursue independent research careers in academia, industry, or government. The current research focus of the program is on understanding genetic and non-genetic factors that contribute to variability in drug response. Selected areas of research include cardiology, infectious disease, asthma/pulmonary, psychiatry, and clinical pharmacology/drug metabolism.

Students in the program conduct hypothesis-driven clinical research that includes a strong laboratory element. Excellent research facilities are available including state-of-the art bioanalytical and pharmacogenomics laboratories, and an NIH-funded [Clinical and Translational Science Institute](#) for clinical study conduction.

Graduate Coordinator: Dr. Reginald F. Frye
Department of Pharmacotherapy & Translational Research
Box 100486
College of Pharmacy, University of Florida
Gainesville, Florida 32610-0486
(352) 273-5453, E-mail: frye@cop.ufl.edu

[Graduate Program in Pharmaceutical Outcomes and Policy](#)

Research and graduate programs in the Department of Pharmaceutical Outcomes and Policy offers a unique blend of research and training in patient safety, pharmacoepidemiology, pharmacoecconomics, and social-behavioral issues surrounding medication use.

Graduate Coordinator: Dr. Almut Winterstein
Department of Pharmaceutical Outcomes and Policy
PO Box 100496
College of Pharmacy, University of Florida
Gainesville, Florida 32610-0496
(352) 273-6258, E-mail: almut@cop.ufl.edu

[Graduate Program in Pharmacodynamics](#)

The purpose of the graduate program in Pharmacodynamics is to develop biomedical scientists with a broad knowledge in the areas of Physiology, Pharmacology, Endocrinology and Toxicology. Although the research interests of the faculty are broad, there is an emphasis on the holistic approach to drug actions in living systems. The Department has strong programs in the areas of cardiovascular, reproductive and neuroendocrine physiology and pharmacology, temperature regulation, neurobiology of aging, autonomic pharmacology, and neuropharmacology.

Graduate Coordinator: Dr. Michael Katovich
Department of Pharmacodynamics
PO Box 100487
College of Pharmacy, University of Florida
Gainesville, Florida 32610-0487
(352) 273-7690, E-mail: katovich@cop.ufl.edu

Please direct any future questions or request for application materials concerning the area of study you are interested in to the graduate coordinator of the respective department listed above.

If we can be of further assistance to you please call us at (352) 273-6301. Again, thank you for your interest in our college at the University of Florida. We look forward to hearing from you and eventually, receiving your application forms.

Respectfully,



William J. Millard, Ph.D.
Executive Associate Dean
University of Florida
College of Pharmacy

Respectfully,



José Ortiz
Office Assistant
University of Florida
College of Pharmacy

[Return to Table of Contents](#)

Complete Listing of Extramural Support in the COP for FY 12/13

MEDICINAL CHEMISTRY

Faculty	Amount	Number	Agency	Project Title
Raymond Bergeron	\$599,629	1	National Institute of Health	Iron Chelators Predicated on Desferrithiocin
	\$49,024	1	Sun BioPharma, Inc.	Polyamine Anti-Pancreatic Cancer Drugs
Margaret James	\$480,199	3	National Institute of Health	Developmental Pharmacology of Cytosolic and Mitochondrials GSTZ1-1/MAAI
	\$51,763	1	National Institute of Health	Fetal Endocrine Disruption by Triclosan
	\$10,478	1	National Institute of Health	Seafood Hydrocarbon Residues & Coastal Community Health Risks (Project 3)
Yanxia Liu	100000	1	Florida Department of Health	Development of Scale-up Synthetic Method for Largzaole, A Novel Drug for the Treatment of Colorectal Cancer
Hendrik Luesch	\$283,146	1	National Institute of Health	Chemistry and Biology of Largazoles
	\$48,594	2	National Institute of Health	Mitochondrial Oxidative Stress in the Retinal Pigment Epithelium as a Model for Atrophic Macular Degeneration
	\$475,432	2	National Institute of Health	Novel Targeted Anticancer Agents from Marine Cyanobacteria
Xin (Cindy) Qi	\$800	1	Oak Ridge Associated Universities (ORAU) High Performance Computing Grant	Gene Expression Analysis to Target Breast Cancer via Integrated Microarray and Bioinformatics Technology
	\$30,000	1	American Cancer Society	Novel Molecules to Target Apoptosis Defects using Microarray Technology for Cancer Therapy

PHARMACEUTICS

Faculty	Amount	Number	Agency	Project Title
Hartmut Derendorf	\$0	1	Glaxo SmithKline	A Study to Evaluate the Feasibility of Microdialysis to Determine Skin Concentrations of Retapamulin in Healthy Volunteers
	\$225,000	1	Florida Department of Citrus	Center for Food-Drug Interactions
	\$5,000	1	Golin-Harris International Inc.	Grapefruit-Drug Interactions
	\$35,895	1	Astrazeneca	In vitro PK/PD Investigations of Beta-Lactam/Beta-Lactamase-Combinations for the Treatment of Infections caused by Multidrug Resistant Gram-negative Bacteria
	\$12,500	1	CUBRC	Model Humanized Doses in Cynomolgus Monkey from SD& 14 Day Toxicology Studies and Human PK Data
	\$12,500	1	CUBRC	Model Humanized Doses in NZW Rabbit from SD and MD PK and Human PK
	\$92,188	3	CUBRC	Two Phase Protein Binding Study in Six Species
	\$100,000	1	Pfizer, Inc.	Pfizer Graduate Fellowship Award
Guenther Hochhaus	\$20,000	1	University of Lisbon	Collaboration within the EU Pulmonary Drug Delivery Project
	\$85,971	1	Astrazeneca	Does P-glycoprotein Restrict Access of Budesonide but not Fluticasone Propionate to the Placenta and Fetus?
	\$61,688	1	Compleware, Inc.	Methacholine Stability Testing under GLP
	\$100,000	1	Boehringer Ingelheim Pharma GmvH & Co. KG	Respiratory Research Project and Study, Graduate Student Fellowship
	\$14,034	1	ClinResearch GMBH	Stability of Methacholine Solutions
	\$5,728	1	Watson Pharmaceuticals	Stability of Methacholine Solutions at Room Temperature

PHARMACEUTICS (cont.)

Faculty	Amount	Number	Agency	Project Title
Lawrence Lesko	\$150,000	1	Daiichi Sankyo Pharma Development	Educational Grant Agreement
	\$134	1	Miscellaneous Donors	Miscellaneous Donors
Stephan Schmidt	\$77,500	2	Aegerion Pharmaceuticals	Aegerion Pharmaceuticals
	\$40,000	1	Eli Lilly and Co.	In Silico Modeling of Biomarkers and Surrogate Endpoints of Diabetes
Sihong Song	\$10,000	1	Embassy of the Arab Republic of Egypt	Joint Graduate Program

PHARMACODYNAMICS

Faculty	Amount	Number	Agency	Project Title
Michael Katovich	\$112,015	1	National Institute of Health	Angiotensin-Converting Enzyme2 in Vascular Endothelial Function
	\$111,843	1	National Institute of Health	CVD Protection Mechanisms Involving ACE2/ANG-(1-7)
	\$22,180	1	American Heart Association	Potential Cardioprotective Effects of AT2R and ANG(1-7) Elevation in Dilated Cardiomyopathy
Maureen Keller-Wood	\$145,042	2	National Institute of Health	Corpus Luteal Contribution to Maternal Pregnancy Physiology and Outcomes in Art
	\$224,042	2	National Institute of Health	Effects of Maternal Cortisol on Fetal and Neonatal Growth and Metabolism
	\$14,290	1	National Institute of Health	Fetal Endocrine Disruption by Triclosan
	\$15,671	1	National Institute of Health	Glucocorticoids, Stress and Blood Pressure Regulation
	\$22,330	1	National Institute of Health	Renal Transporters and Fetal Neuroendocrinology
Eric Krause	\$246,324	1	National Institute of Health	Central Angiotensin Receptors and the Neural Control of Homeostasis

PHARMACEUTICAL OUTCOMES AND POLICY

Faculty	Amount	Number	Agency	Project Title
Abraham Hartzema	\$7,500	1	American Foundation for Pharmaceutical Education	AFPE Pre-doctoral Fellowship, for Donna Simpson
	\$6,500	2	American Foundation for Pharmaceutical Education	Medication Adherence during Treatment for the Hepatitis C Virus: Impact on Sustained Virologic Response Rates, Patient Burden and Lifetime Costs, for Jonathan Schelfhout
Folakemi Odedina	\$70,658	1	Florida Department of Health	Florida Community Health Workers Effectiveness Project
	\$50,000	1	Schlumberger Foundation	Medication Use and Adherence Behavior among Black Women Living with HIV/AIDS
	\$20,000	1	National Institute of Health	The 2nd Biennial Science of Global Cancer Disparities in Black Men of African Ancestry
Almut Winterstein	\$571,548	1	Centers for Medicare and Medicaid Services (CMS)/Florida Medical Quality Assurance	Maintenance and Development of Medication Measures/Agreement between Florida Medical Assurance, Inc. and UF Board of Trustees
	\$235,463	1	American Society of Health-system Pharmacists (ASHP)	Development and Validation of a Complexity Score to Identify Hospitalized Patients at High Risk for Preventable Adverse Events
	\$1,500	1	Cystic Fibrosis Foundation	Prevalence and Incidence of Nontuberculous Mycobacteria (NTM) in Patients with Cystic Fibrosis
	\$26,212	1	Agency for Healthcare Research and Quality (AHRQ)/Kaiser Foundation Research Institute	Scalable Partnering Network for CER: Across Lifespan, Conditions, and Settings
	\$6,500	2	American Foundation for Pharmaceutical Education	Type II Diabetes in Pregnant Women: Prevalence, Drug Utilization and Outcomes of Women with Type II Diabetes during Pregnancy, for Caitlin Knox

PHARMACOTHERAPY & TRANSLATIONAL RESEARCH

Faculty	Amount	Number	Agency	Project Title
Rhonda Cooper-DeHoff	\$34,248	1	Wake Forest University/National Institute of Health	Women's Health Initiative Extension 2010-2015
Reginald Frye	\$11,492	1	American Cancer Society	Mechanisms Predicting Pain Trajectory among Cancer Patients
Leslie Hendeles	\$2,500	1	Compleware Corporation	A Randomized, 4-treatment, 5-period Pilot Dose Response Study of Inhaled Salmeterol Xinafoate (SX) in Fluticasone Propionate (FP)/SX 100/50 Combination Product in Subjects with Asthma using Methacholine Bronchoprovocation Challenge (MBPC)
	\$11,170	2	Compleware Corporation	A Randomized, Double-blind, 4-treatment, 5-period Pilot Dose Response Study of Inhaled Fluticasone Propionate (FP) in FP/Salmeterol Xinafoate (SX) 100/50, 250/50, 500/50 Combination Product in Subjects with Asthma using Exhaled Nitric Oxide (eNO)
	\$2,500	1	Parexel International Corporation	A Safety and Benefit Study of Inhaled Fluticasone Propionate/Salmeterol Combination versus Inhaled Fluticasone Propionate in the Treatment of Pediatric Subjects 4-11 Years Old with Persistent Asthma, Protocol Number SAS115358
Julie Johnson	\$49,400	9	University of Pennsylvania/National Institute of Health	Clarification of Optimal Anticoagulation through Genetics (COAG)
	\$36,433	2	Ohio State University/National Institute of Health	Expression Genetics in Drug Therapy (AIMS 3-5)
	\$684,179	2	National Institute of Health	Genomic Medicine Implementation: The Personalized Medicine Program
	\$1,791,430	1	National Institute of Health	Pharmacogenomic Evaluation of Antihypertensive Responses
	\$87,900	1	University of Maryland/National Institute of Health	Pharmacogenomics of Anti-platelet Interventions-2 (PAPI2) Study
	\$948,544	3	National Institute of Health	Secondary Prevention of Subcortical Stroke Prevention Genetic Substudy
	\$86,937	1	National Institute of Health	UF Clinical and Translational Science Award
	\$2,500	1	Miscellaneous Donors	Miscellaneous Donors

PHARMACOTHERAPY & TRANSLATIONAL RESEARCH (cont.)

Faculty	Amount	Number	Agency	Project Title
Taimour Langaee	\$15,237	2	National Institute of Health	Developmental Pharmacology of Cytosolic and Mitochondrial GSTZ1-1/MAAI
Charles Peloquin	\$54,450	1	Jacobus Pharmaceuticals	A Pharmacokinetic Study of 3,4 DAP in Healthy Volunteers
	\$18,200	1	Centers for Disease Control & Prevention	IPA with CDC
	\$26,352	6	Multiple Sponsors	Multiple Sponsors
	\$89,137	1	Centers for Disease Control & Prevention	Pharmacokinetic and Pharmacodynamic Studies of Efficacy, Tolerability and Safety of Higher Dosage Rifapentine for Treatment of Tuberculosis
	\$181,320	2	Harvard University/National Institute of Health	Randomized Trial of High-dose Rifampin
	\$20,000	1	Case Western Reserve University/National Institute of Health	Tuberculosis Research Unit (TBRU)
Karen Sando	\$40,000	1	Florida Department of Health	AHEC Tobacco Training and Cessation Program

[Return to Table of Contents](#)

26th ANNUAL RESEARCH SHOWCASE AND AWARDS RECOGNITION DAY

THURSDAY, FEBRUARY 28th, 2013



UNIVERSITY OF FLORIDA
COLLEGE OF PHARMACY

A SPECIAL THANKS TO THIS YEAR'S SPONSORS

GOLD SPONSORS

Dr. Robert Crisafi
Winchester, MA
Class of 1956

DENALI BioTechnologies, Inc.

Dr. Maureen McKenzie
Homer, AK

Dr. Robert A. and Phyllis Levitt
Levitt Division, Oral Competition Sponsor

Gainesville, FL
Class of 1961

Dr. David W. Newton

Winchester, VA
Class of 1976

Debbie Klapp
Memorial Endowment

SILVER SPONSORS

PK-P'Dyne, Inc.

Dr. Kerry S. Estes
Gainesville, FL
Class of 1982

Dr. April Barbour

Philadelphia, PA
Class of 2009

SPONSORS

Dr. James Sacco

Urbandale, IA
Class of 2006

SCHEDULE OF EVENTS

8:00am - 9:00am Set-up Poster Presentations (Reception Hall, HPNP Building)

POSTER COMPETITION

9:00am - 11:30am **Poster Competition** – Students Present for Judging (Reception Hall, HPNP Building)

ORAL COMPETITION

1:00pm - 1:10pm **Introduction** – Dr. Jason Frazier, Associate Professor, Department of Pharmacodynamics (Room G-101, HPNP Building)

Levitt Division (20 minute presentations)

1:10pm - 1:30pm Caitlin Knox
1:30pm - 1:50pm Wei Liu

Junior Division (15 minute presentations)

1:55pm - 2:10pm Michelle Suzanne Bousquet
2:10pm - 2:25pm Marina Kawaguchi-Suzuki
2:25pm - 2:40pm Luning Zhuang

2:40pm - 2:50pm **BREAK**

Senior Division (20 minute presentations)

2:55pm - 3:15pm Xiaodi Feng
3:15pm - 3:35pm Rana Montaser
3:35pm - 3:55pm Lilibeth Salvador

4:00pm - 5:15pm **Keynote Address** – Betty B. Yao, PhD, Associate Director, Volwiler Associate Research Fellow, AbbVie, “*Seeding in Rich Soil: Early Target Validation Increases the Clinical Probability of Success*” (Room G-114, HPNP Building)

5:15pm - 7:00pm **Awards Reception** – Refreshments and Announcement of Winners (Reception Hall, HPNP Building)

ORAL COMPETITION

LEVITT DIVISION

#1 Presenter: **Caitlin Knox**
Department: Pharmaceutical Outcomes and Policy
Research Title: Patient Understanding of Drug Risk: Analysis of Medication Guide Assessments

#2 Presenter: **Wei Liu**
Department: Pharmaceutical Outcomes and Policy
Research Title: A Large Cohort Study of Nonsteroidal Anti-inflammatory Drugs and Renal Cell Carcinoma Incidence in the National Institutes of Health – AARP Diet and Health Study

JUNIOR DIVISION

#1 Presenter: **Michelle Suzanne Bousquet**
Department: Medicinal Chemistry
Research Title: Elucidating Activation Pathways of the Antioxidant Response Element Using Chemical and Genomic Approaches

#2 Presenter: **Marina Kawaguchi-Suzuki**
Department: Pharmacotherapy & Translational Research
Research Title: Chronic Administration of Milk Thistle Does Not Alter CYP1A2, CYP2C9, CYP2D6, and CYP3A4/5 Activities in Healthy Volunteers

#3 Presenter: **Luning Zhuang**
Department: Pharmaceutics
Research Title: Characterization of *in vitro* Antimicrobial Activity of Vertilmicin Alone and in Combination with Ceftazidime using Semi-mechanistic Pharmacokinetic/Pharmacodynamic Model

SENIOR DIVISION

#1 Presenter: **Xiaodi Feng**
Department: Pharmacodynamics
Research Title: Cortisol Increases Activated Caspase-3 in Conductive Cells in the Fetal Heart

#2 Presenter: **Rana Montaser**
Department: Medicinal Chemistry
Research Title: Structural Characterization, Biological Evaluation and Synthesis of Novel Natural Products from Guamanian Marine Cyanobacteria

#3 Presenter: **Lilibeth Salvador**
Department: Medicinal Chemistry
Research Title: Potent Elastase Inhibitors from Cyanobacteria: Structural Basis and Mechanisms Mediating Cytoprotective and Anti-Inflammatory Effects in Bronchial Epithelial Cells

POSTER COMPETITION

- # 1 **Assessment of Atenolol Induced HDL-C Change in the Pharmacogenomic Evaluation of Antihypertensive Responses (PEAR) Study**
Presenters: Caitrin McDonough (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: C McDonough, N Gillis, A Alsultan, S-W Chang, J Lang, M Shahin, M Kawaguchi-Suzuki, T Burford, Y Gong, T Langae, J Gums, A Chapman, S Turner, R Cooper-DeHoff, J Johnson
- # 2 **Predicting Acetaminophen Metabolism and Pharmacokinetics in Children with a Physiologically-based Pharmacokinetic (PBPK) Model**
Presenter: Xi-Ling Jiang (Center for Pharmacometrics & Systems Pharmacology/Post-doctoral Fellow)
Authors: X-L Jiang, P Zhao, L Lesko, S Schmidt
- # 3 **A Population Pharmacokinetic and Pharmacodynamic Analysis of Clopidogrel in Healthy Adults – The Impact of CYP2C19 Polymorphism**
Presenter: Xi-Ling Jiang (Center for Pharmacometrics & Systems Pharmacology/Post-doctoral Fellow)
Authors: X-L Jiang, R Horenstein, A Shuldiner, L Lesko, S Schmidt
- # 4 **Effect of Quercetin on Mycophenolic Acid Pharmacokinetics**
Presenter: Mohamed-Eslam F. Mohamed (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: M-E Mohamed, M Segal, J Shuster, R Frye
- # 5 **Evaluation of Pharmacy-driven Medication Reconciliation at the University of Florida & Shands Internal Medicine Outpatient Clinic through Retrospective Chart Review**
Presenter: Danielle Pierini (Pharmacotherapy & Translational Research/Post-doctoral Fellow)
Authors: D Pierini, K Vogel-Anderson, E Rosenberg
- # 6 **Development of a Semi-Mechanistic Tissue Distribution Population Pharmacokinetic Model for Azithromycin**
Presenter: Songmao Zheng (Center for Pharmacometrics & Systems Pharmacology/Post-doctoral Fellow)
Authors: S Zheng, X Jiang, M Zeitlinger, S Schmidt

POSTER COMPETITION (cont.)

- # 7 **A Sensitive LC-MS/MS Assay for the Simultaneous Analysis of the Major Active Components of Silymarin in Human Plasma**
Presenter: Bryan Brinda (Pharmacotherapy & Translational Research/Professional Student)
Authors: B Brinda, H Zhu, M Markowitz
- # 8 **Determinants of Geographic Variation in Psychiatric Co-morbidities of Children and Adolescents with ADHD**
Presenter: Amy Kiskaddon (Pharmaceutical Outcomes and Policy/Professional Student)
Authors: A Kiskaddon, X Liu, P Kubilis, D Xu, A Winterstein
- # 9 **Effects of Pterostilbene on Drug-metabolizing Enzymes**
Presenter: Chestine Libema (Pharmacotherapy & Translational Research/Professional Student)
Authors: C Libema, R Frye
- # 10 **Treatment Patterns in Medicaid Youths with Co-morbid ADHD and ODD/CD**
Presenter: Vaishali Shah (Pharmaceutical Outcomes and Policy/Professional Student)
Authors: V Shah, X Liu, A Winterstein
- # 11 **Drugs and Genes: A Patient Education Website for Pharmacogenetics**
Presenter: Danielle Terry (Pharmaceutics/Professional Student)
Authors: D Terry, M Irwin
- # 12 **Agglomeration Effects from Protein Coating of Silver Nanoparticles in Simulated Gastric Fluid**
Presenter: Ahmed Sulaiman Alalaiwe (Pharmacotherapy & Translational Research/Graduate Student)
Authors: A Alalaiwe, G Hinkley, S Roberts
- # 13 ***In vitro* Modulating Effect of Pterostilbene on Human Cytochrome P450 2C8 (CYP2C8)**
Presenter: Ahmed Albassam (Pharmacotherapy & Translational Research/Graduate Student)
Authors: A Albassam, C Libema, R Frye

POSTER COMPETITION (cont.)

- # 14 **PK-PD Evaluation of Levofloxacin *in vitro*- Preliminary Data**
Presenter: Aline Barth (Pharmaceutics/Graduate Student)
Authors: A Barth, R Singh, N Brull, K Reljac, L Klopp-Schulze, C Peloquin, H Derendorf
- # 15 **Stimulation of Angiotensin Type 2 Receptor as a Potential Therapy for Pulmonary Hypertension**
Presenter: Erin Bruce (Pharmacodynamics/Graduate Student)
Authors: E Bruce, V Shenoy, J Francis, U Steckelings, T Unger, C Summers, M Raizada, M Katovich
- # 16 **Age-related Changes in Presynaptic GABA-B Receptor Mediated Inhibitory Tone in the mPFC**
Presenter: Haley Carpenter (Pharmacodynamics/Neuroscience/Graduate Student)
Authors: H Carpenter, J Bizon, C Frazier
- # 17 **Assessment of Biological Activity of *Caesalpinia ferrea* Martius Extracts (Fabales Caesalpiniaaceae) against *Leishmania (Viannia) guyanensis* (Kinetoplastida: Trypanosomatidae)**
Presenter: Nivea Maria Simoes Falcao (Pharmaceutics/Graduate Student)
Authors: N Falcao, A Franco, C Nunez
- # 18 **Isoform-selective Glucuronidation of Triclosan**
Presenter: Erin Jackson (Medicinal Chemistry/Graduate Student)
Authors: E Jackson, J Schneider, L Rowland-Faux, M James
- # 19 **Identification of Biomarkers to Target Breast Cancer through Peptoid Library Screening and Microarray Technology**
Presenter: Zhuofan Ma (Medicinal Chemistry/Graduate Student)
Authors: G Du, Z Ma, X Qi
- # 20 **The Effect of Peripheral Salt Loading on Central Circuits that Regulate Stress**
Presenter: Dipanwita Pati (Pharmacodynamics/Graduate Student)
Authors: D Pati, J Smith, H Hiller, D Nguyen, L Wang, C Frazier, A de Kloet, E Krause
- # 21 **Evaluating the Elixir of Exclusivity: Evolving Legislation and Novel Complexities within Pediatric Drug Development**
Presenter: Donna Rivera (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: D Rivera, A Hartzema

POSTER COMPETITION (cont.)

- # 22 **VKORC1 Asp36Tyr Geographic Distribution and its Impact on Warfarin Dose Requirements in Egyptians**
Presenter: Mohamed Hossam Shahin (Pharmacotherapy & Translational Research/Graduate Student)
Authors: M Shahin, L Cavallari, M Perera, S Khalifa, A Dvorak, T Langaee, S Patel, K Perry, D Meltzer, H McLeod, J Johnson
- # 23 **The Association between Depressive Symptoms and Incident Hypertension among Elderly: The Cardiovascular Health Study**
Presenter: Danijela Stojanovic (Pharmaceutical Outcomes and Policy/Graduate Student)
Authors: D Stojanovic, A Hartzema, C Delaney, W Smith
- # 24 **Population Pharmacokinetics of Pyrazinamide in Patients with Tuberculosis**
Presenter: Abdullah Sultan (Pharmacotherapy & Translational Research/Graduate Student)
Authors: A Alsultan, K Dooley, M Weiner, W Whitworth, W MacKenzie, C Peloquin, the Tuberculosis Trials Consortium
- # 25 **Dosing Strategy for Combination Therapy to Overcome Bacterial Resistance**
Presenter: Sherwin Sy (Pharmaceutics/Graduate Student)
Authors: S Sy, L Zhuang, M Mulder, K Löblein, C Lux, M Kissel, M-E Beaudoin, V Schuck, H Derendorf
- # 26 **Elucidation of the Role of Cystatin C and Associated Proteins in Neuroinflammation**
Presenter: Rajiv Tikamdas (Pharmacodynamics/Graduate Student)
Authors: R Tikamdas, B Liu
- # 27 **Population Pharmacokinetic/Pharmacodynamic (PK/PD) Assessment of Vancomycin in Adult Patients Indicates Vanishing Appropriateness of Vancomycin Therapy**
Presenter: Alexander Voelkner (Pharmaceutics/Graduate Student)
Authors: A Voelkner, C Lebert, H Derendorf

JUDGES

POSTER COMPETITION

Guohua An, PhD

Assistant Professor
Pharmaceutics
College of Pharmacy
University of Florida

Annette de Kloet, PhD

Post-doctoral Associate
Physiology and Functional Genomics
College of Medicine
University of Florida

Yanxia Liu, PhD

Assistant Scientist
Medicinal Chemistry
College of Pharmacy
University of Florida

Drake Morgan, PhD

Assistant Professor
Psychiatry
College of Medicine
University of Florida

Vinayak Shenoy, PhD

Research Assistant Professor
Pharmacodynamics
College of Pharmacy
University of Florida

Betty Yao, PhD

Associate Director
AbbVie
North Chicago, IL

ORAL COMPETITION

Heather Hardin, PharmD

Clinical Assistant Professor
Pharmacotherapy & Translational Research
College of Pharmacy
University of Florida

Matthew Jenkins, PharmD, MS

Coordinator
Pharmacy Operations
SHANDS at the University of Florida
Gainesville, FL

Lori Knackstedt, PhD

Assistant Professor
Psychology
College of Liberal Arts and Sciences
University of Florida

Xin (Cindy) Qi, PhD

Assistant Professor
Medicinal Chemistry
College of Pharmacy
University of Florida

[Return to Table of Contents](#)