

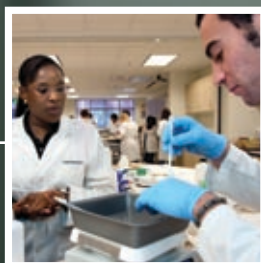
# GATOR

UNIVERSITY OF FLORIDA COLLEGE OF PHARMACY

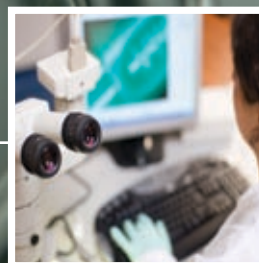
FALL 2006



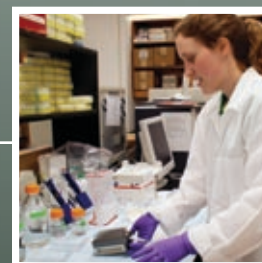
## Pharmacy Research \$1 Million Graduate Endowment Gift



*Discover*



*Inspire*



*Transform*



Ten Years of Leadership

2006



## REFLECTIONS ON 10 YEARS AS DEAN

It's true what they say; time flies when you are having fun! Ten years have flown by in the Riffée household, and it has been a very satisfying time for me to have been able to serve the faculty, staff, students and alumni of the University of Florida College of Pharmacy. When I arrived in 1996, Dean Michael Swartz handed me the master key for the college and said goodbye (at least for a year while he took a well-earned sabbatical).

### New Beginnings

My first day on the job in June 1996, I spoke to our 20-or-so non-traditional Pharm.D. students via video teleconference from Tampa. Shortly after that, I met with Sven Normann and Dan Robinson to improve the curriculum and the content delivery, renaming it the Working Professional Pharm.D. program. With the hard work of our leadership and the ongoing commitment from our partner, Compass Knowledge Group, the WPPD program has grown to be the most respected non-traditional Pharm.D. program for pharmacists worldwide, wishing to advance beyond their bachelor's education. Flexibility, affordability and quality have established the UF WPPD program throughout the United States and now internationally. This past August, we graduated our 1,000th graduate from that program, a truly astonishing achievement since our first graduation in 1997. As we graduate more than 100 pharmacy practitioners each year, our enrollment continues to grow.

### Qualified Students - Industry Demands

Establishing distant campuses in St. Petersburg, Orlando and Jacksonville, to meet the national demand for pharmacists and to increase the access of talented Florida students to our first professional degree program, was an idea put forth by our college faculty. We admitted our first class in 2002, with about 50 students at each of the three sites. In May 2006, we realized our goal when we graduated the largest pharmacy class of 208 students from four Florida cities. Next May, we will graduate close to 300 new Pharm.D. practitioners.

In a recent seminar, I learned that the pharmacist shortage trend, appearing to improve in 2005, actually has taken another downward turn in 2006 and continues to be a national concern. New predictions of the changing workforce and exodus of baby-boomer pharmacists show a trend of pharmacist shortages that will be more troubling than what we have experienced over the past decade.

Our faculty, staff, students, alumni—and non-UF alums, who have stepped up as preceptors in our early and advanced practice courses—have all worked together to create a successful new model of education. It's a model that is viewed nationally as a valuable method for improving the availability of pharmacists to our national

workforce. I feel very fortunate to have been a part of such an endeavor, and proud to have achieved a milestone in pharmacy education that others never dreamed could be accomplished.

### Faculty Commitment

Accompanying all of these changes in our college, I have been impressed with the “can-do” attitude of our faculty. Although we hired additional faculty to expand our enrollment, most of the resources were designated to existing faculty and technology so that we could double our enrollment without doubling the cost of education for 1,150 students compared to 520 students. Our faculty, however, responded in a magnificent fashion, not only adapting new technologies to their teaching activities, but by exhibiting a new enthusiasm in all aspects of their academic life. The college has nearly doubled its growth in external research funding from approximately \$5 million in FY 98 to more than \$9 million in FY 06. In recent years of funding from the National Institutes of Health, we have out-performed other schools and colleges of pharmacy such as Ohio State, North Carolina, Chapel Hill, Texas, Austin, Southern California, Maryland, Minnesota, Kentucky, Iowa and Michigan.

During the early part of the 21st Century, the college also occupied a new building shared with the colleges of Nursing and Public Health and Health Professions (the HPNP Complex). Along with this state-of-the-art teaching and office space, the college also completely renovated the “P-Wing” in the medical sciences building so that our basic and clinical scientists have the very best space available anywhere on this campus. This milestone was accomplished through the generous funding by the University of Florida, our Alumni and Friends and the National Institutes of Health.

### The Next 10 Years

As I enter the next decade of leadership of this college, I realize how fortunate we are to have the high-caliber of faculty who are involved in their scientific and professional associations as officers and considered leaders in their respective fields. I marvel at the talented faculty, staff and students who work together each day to make great things happen. I am also so very proud of our alumni who have gone on to do outstanding things in our profession. Upon their work, sacrifice and leadership, we, the College of Pharmacy hope to build an even more promising future.

William H. Riffée, Ph.D.  
Dean, College of Pharmacy



# contents

Fall 2006

## GATORx Magazine

is produced by the University of Florida College of Pharmacy for its alumni, faculty and friends

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2 Features  
*college news*

8 Research & Innovation  
*trends in pharmacy*

12 Lecture Notes  
*faculty news, honors & awards*

18 Making the Grade  
*spotlight on students*

22 Roll Call  
*alumni & development news*

**ON THE COVER:** Dean Riffe joined Dr. Allen J. Spiegel last spring at a UF award banquet in recognition of Spiegel's gift that created the college's first Graduate Endowment in Pharmaceutical Research.





# \$1 Million Gift Creates College of Pharmacy's First Graduate Endowment

By Christopher Brazda

The University of Florida College of Pharmacy has received a welcome dose of support to create its first-ever graduate endowment.

In November 2006, the A.J. Spiegel Foundation pledged \$1 million to establish an endowment fund benefiting the UF College of Pharmacy. The gift will endow the Dr. Allen J. Spiegel Graduate Endowment in Pharmaceutical Research, which will support graduate students in the Department of Pharmaceutics' Ph.D. program. Allen J. Spiegel is a trustee of the foundation.

Spiegel, a UF alumnus and member of the College of Pharmacy's National Advisory Board since 2000, said he decided this endowment was the best way to help fund the college's graduate programs after discussions with College of Pharmacy Dean

William H. Riffie and Executive Associate Dean Bill Millard.

"We need a good graduate research program," Spiegel said, "and in order to have one, we need more support. Hopefully this will provide the support necessary to aid those pursuing a Ph.D. in pharmacy."

Spiegel previously donated \$100,000 to the college to create the A.J. Spiegel Graduate Fellowship. He earned his Ph.D. in pharmacy from UF in 1957 and retired as senior director of international patents operations from Pfizer Inc., where he worked for 43 years.

According to Millard, the college needs this type of private funding for translational research, through which scientists study disease at a molecular or cellular level at the clinical level, or at a patient's "bedside." Also benefiting from the gift is research in pharmacogenetics, the study of how genetics can dictate drug response.

"Dr. Spiegel's endowment will now allow the College of Pharmacy to expand its graduate training program in both translational and pharmacogenetics research by providing additional graduate student lines and support in each of these research areas," Millard said. "We are indebted to Dr. Spiegel's generosity and support of our college."

The gift is eligible for matching funds from the State of Florida Major Gift Trust Fund and will count toward the Faculty Challenge Initiative. The initiative, which was announced last year by UF President Bernie Machen, aims to raise \$150 million to meet the demands of educating Florida's growing population and make UF one of the nation's premier research universities.

*discover, inspire, transform*

# Taking Research to the Next Level

By William J. Millard, Ph.D., professor and executive associate dean

Research is a hallmark upon which all of the top-tier schools of pharmacy benchmark themselves. Paramount in this comparison is how individual colleges compete for extramural research dollars from federal sources such as the National Institutes of Health, National Science Foundation, Department of Defense, Agency for Healthcare Research and Quality, National Aeronautics and Space Administration, Veteran's Administration, and the United States Department of Agriculture. Our college has consistently ranked within the top 15 pharmacy schools with respect to NIH funding over the last 10 years. NIH funding in the college reached a peak in FY 2003-2004 with \$5,686,400 of federal support. However, in FY 2005-2006 we have topped that figure with more than \$7 million in NIH funding — even in a period in this country's history in which federal spending on biomedical research is critically low. Our ability to garner increasing NIH funding is attributable to the hard work of our outstanding faculty and their ability to establish valuable collaborations as well as to target their research programs to meet federal funding priorities.

If you have been following the NIH Roadmap Initiative, one of the three principal themes upon which the initiative is based is: Re-engineering the Clinical Research Enterprise. Some of the goals of this initiative are to:

- Increase the number of clinically-trained scientists involved in the research process, and
- Enhance research programs that work at the interface between basic science and clinical research (*translational research*).

In meeting the goals of this Roadmap initiative, NIH hopes that the drug approval process (bench to bedside) can be significantly affected by bringing more new drugs and new drug entities into the marketplace and also by seeking to reduce all drug approval timelines.



Our College's research programs are geared to enhance drug discovery and translational research with the continued operation of our Center for Drug Discovery, Center for Neurobiology of Aging and Center for Research in Pharmaceutical Care. Now with the opening of our two newest research centers, Center for Pharmacogenomics and the Center for Food-Drug Interaction Research and Education, we can expand our role in translational research as well as provide a mechanism to train additional clinical scientists.

To address the need for clinically-trained pharmacists with sufficient research training to facilitate translational research, the Departments of Pharmaceutics and Pharmacy Practice, and the Centers for Pharmacogenomics and Food-Drug Interaction Research and Education have established Clinical Pharmaceutical Sciences graduate Ph.D. training program in August 2005. This new graduate program has been met with overwhelming success and especially with our current Pharm.D. students. We anticipate that within the next three years we will have as many as 10 of our own Pharm.D. students enrolled in the Pharm.D./Ph.D. joint degree program.

Finally, in May of 2005, we opened the ground floor of our Pharmacy research wing to provide new facilities for our clinical research programs (pharmacogenomics and pulmonary pharmacotherapy) and completed the 5-year, \$11.8 million phased renovation project whereby we now have approximately 48,000 net square feet of state-of-the art research space for our faculty to grow their research programs and to train additional graduate students and postdoctoral fellows in pharmaceutical research.

So the stage is now set for the College of Pharmacy to take their research and graduate programs to the next level. With this issue of *GATORx* —and future issues—we will continue to highlight the excellent research underway in our college here at UF. We are extremely proud of our faculty and what they do, so please take time to look at these research-related articles.



## Pharmacy Research Facilities

The College of Pharmacy held a ribbon-cutting ceremony in 2005 to celebrate the completion of a five-year project that remodeled and improved 45,500-square-feet of research space at the UF Health Science Center. Funding for the \$14.4 million project included \$8 million in privately raised funds, \$5.5 million in state funds and a \$900,000 construction grant from the National Institutes of Health. This is the first remodeling effort of the pharmacy wing since the building's completion in 1962. The renovated seven-story wing yields an increase of more than 37 percent in total usable space for college researchers. The ground floor facility includes improved laboratory research space for the department of pharmacy practice and clinical facilities for asthma studies.

"This renovation provides a dramatic improvement in the quality of the research space for pharmacy practice, including dedicated space for conducting clinical research studies, as well as laboratory space specifically designed to meet the needs of the Center for Pharmacogenomics," said Julie Johnson, Pharm.D., chair, department of pharmacy practice.

## RESEARCH STUDENT PROFILE

# Gene Delivery Used in the Lab to Battle a Deadly Brain Cancer

By Linda Homewood

Progress has been made in treatment of many types of cancers. Unfortunately, despite years and years of research, glioblastoma remains one of the most deadly brain cancers. Finding a treatment for the disease is a challenge that pharmacy doctoral candidate Nathalie Toussaint is ready to tackle.

Toussaint credits her family and community for her direction as she completes her Ph.D. in pharmaceuticals. Her grandmother was a teacher; her grandfather a pharmacist. It was an outstanding high school chemistry teacher in her hometown of Brooklyn, New York, Toussaint said, that piqued her interest in science and its applications.

"My parents instilled in me the value of education," Toussaint said. "I know personally that educators have the potential to make lasting effects on their students and the world around them."

Toussaint conducts her research under Sean Sullivan, Ph.D., an associate professor in the College of Pharmacy. Sullivan has for the past six years focused his research efforts on the development of non-viral gene delivery systems — a way to target cancer cells that differs from traditional drug-delivery methods.

About forty-five percent of all brain cancers are gliomas — primary brain tumors — and about half of those are glioblastomas, Toussaint said. The tumor cells are so aggressive that a



SARAH KIEVEL

*Nathalie Toussaint (left) instructs Michelle Zayes, third-year pharmacy student, in drug compounding techniques in the pharmaceutical skills lab.*

patient is, on average, expected to survive less than a year after diagnosis.

The problem with treatment through drug delivery, Sullivan said, is that cancer cells in the brain are resistant to drug therapy, making it difficult to get the treatment to the tumor through the blood-brain barrier. As a result, doctors often increase a drug's dosage, which increases a patient's risk factors.

Toussaint works with Sullivan to overcome this problem with a technique called non-viral gene delivery. Gene delivery is administered in the same manner as a drug that is sent to a targeted tumor site. With non-viral delivery, researchers formulate a synthetic gene using chemicals and polymers that bond with DNA. The voracious tumor feeds on the gene, converting it to a protein. This protein releases a cellular toxin that poisons the cell

## Graduate Research Professor Receives \$3 Million NIH Award

Ray Bergeron, Ph.D., a graduate research professor of medicinal chemistry and Duckworth Eminent Scholar of Drug Development in the College of Pharmacy, received a \$3 million NIH MERIT award to continue his research on blood and liver-related disease.

Acknowledging his "consistent and excellent contributions to scientific knowledge," the award, from the National Institutes of Health's National Diabetes and Digestive and Kidney Diseases Advisory Council, gives Bergeron the opportunity to extend his current grant for an additional five years.

Investigating ways to better treat iron-overload diseases, Bergeron, who holds 119 patents, currently has two drugs in clinical trials with Genzyme. One drug is used for treatment of liver cancer. The other was developed for the treatment of chil-

dren with thalassemia, also called Cooley's anemia, a rare disease in which iron builds up in the system, causing an overload that cannot be effectively eliminated.

Iron overload can lead to hepatocellular carcinoma (HCC), liver cancer, one of the most difficult and insidious forms of cancer to manage, said Bergeron. If resection is not an option, the therapeutic choices for this disease are few, and generally the success rate is very poor. A Phase I/II clinical trial is in progress at five U.S. centers to assess the safety, tolerability and efficacy of DENSPM in hepatocellular carcinoma.

In a congratulatory speech, Dean Bill Riffe said the award was a well-deserved honor and one that the College of Pharmacy should be very proud of on behalf of Dr. Bergeron.



SARAH KIEVEL



— effectively turning the tumor's food source into a poison.

"The idea is to make the synthetic gene work in a suicidal fashion killing all the cancer cells it comes in contact with, targeting only the cells you want destroyed," said Toussaint.

Sullivan said he is impressed with Toussaint's inter-collegiate involvement and leadership contributions to the student body.

"Nathalie is an incredibly energetic, bright student who is active in interdisciplinary research areas and as a leader in the AAPS student association that is organizing the South-East Regional Interdisciplinary Symposium for the first time at UF," Sullivan said.

In addition to her work in gene delivery research, Toussaint works with Huabei Jiang, Ph.D., a professor in biomedical engineering, to assist in research to develop better imaging technology needed for diagnosis of brain tumors.

"As a scientist, I hope that my research will have lasting benefits on humanity" Toussaint said. "As an African-American woman scientist, I hope to be an inspiration and role model for the next generation by creating inroads in under-represented fields, and by forming lasting bridges that others may cross."



## UF Researcher Gets \$11 Million to Study Genes, Blood Pressure Drugs

By John Pastor

Julie Johnson, Pharm.D., director of the UF Center for Pharmacogenomics, last fall was awarded an \$11.1 million, five-year grant to lead a far-ranging group of genetic researchers in an effort to help people with high blood pressure.

Researchers at medical centers at UF, the Mayo Clinic College of Medicine in Minnesota, Emory University in Atlanta and the University of Texas at Houston will study 800 patients to find ways to tailor drug prescriptions to people's unique genetic make-ups, according to Johnson, the study's principal investigator.

The award is part of the Pharmacogenetics Research Network initiative, a nationwide collaboration of scientists supported by the National Institutes of Health to study how an individual's genes affect the way he or she responds to medicines.

"It's often trial and error when a patient is treated for high blood pressure," said Johnson, a professor at UF's colleges of Pharmacy and Medicine and an executive committee member of the UF Genetics Institute. "There are more than 40 drugs to treat hypertension, but any given one will work in only about 50 percent of the individuals. That means it takes longer to get people the medicine that's right for them, and during the process they wind up taking more drugs than they need to."

High blood pressure, or hypertension, is the most prevalent risk factor for heart attack, stroke, renal failure and heart failure. Because it's not easy to match a patient with the best drug, some patients become frustrated and quit treatment.

Scientists will focus on individual patient response to two contrasting drug treatments, including a heart drug known as beta blocker, as well as a diuretic, which helps the body get rid of excess water and salt.

Both drugs can successfully lower high blood pressure in some patients, but in other patients they don't work as well or may create adverse side effects.

"This grant will allow Dr. Johnson and her colleagues to continue their important work, which might someday lead to the use of genetics to guide the selection of the best blood pressure medicine for a specific patient," said pharmacy Dean William Riffe, Ph.D. "Additionally, with her entry into the NIH-supported Pharmacogenetics Research Network, comprised of 11 investigative teams nationwide, Dr. Johnson's team is placed among the pre-eminent pharmacogenetics researchers in the country."

Other teams in the network are looking at the effect of genes on people's responses to a wide variety of medicines, including chemotherapy and drugs for asthma and high cholesterol.

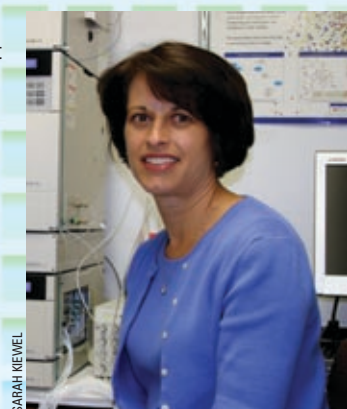
Together, the groups are charged with developing a genetics database that can be used by all researchers in the field.

"This is the future," said Kenneth Berns, M.D., Ph.D, director of the UF Genetics Institute. "If you're going to take optimal care of patients, you're going to have to know their genomic profiles to predict how the patients are going to respond to certain drugs."

The team approach will accelerate the research, Johnson said.

"By spreading the work among multiple centers, we can study a very diverse population of patients," Johnson said. "We also expect to move forward at a far greater rate than any single center would."

Other key UF investigators are Drs. Issam Zineh, Ph.D., of the department of pharmacy practice; John Gums, Pharm.D., of the departments of pharmacy practice and community health and family medicine; and Rhonda Cooper-DeHoff, Pharm.D., and R. Whit Curry Jr., M.D., of the department of community health and family medicine.





# Polar Bears Hold Key to Understanding Health Risk of Environmental Pollutants

By Linda Homewood

A UF College of Pharmacy researcher aiming to better understand just how dangerous industrial pollutants in arctic ecosystems might be to humans, has zeroed in on how effectively polar bears are able to rid themselves of environmental toxins consumed in the food they eat.

It turns out the bears can completely eliminate only one of five of the classes of industrial contaminants they are exposed to, a finding that's bad news for the bears and other species who share their environment, according to Margaret James, Ph.D., an environmental toxicologist at UF.

"The polar bear has quite an efficient system for metabolizing these pollutants," said James. "If they can't do it, then it's unlikely that other animals or persons can."

The UF study, published in the October issue of the journal *Drug Metabolism and Disposition*, could help researchers learn more about the effects of pollutants on humans living in the Arctic who share the same staple diet as the bears. Because polar bears are mammals with a diet similar to the native Inuit, they may serve as good surrogates for studying human populations also exposed to the pollutants.

Bandiera, Ph.D., professor of biomolecular and pharmaceutical chemistry at the University of British Columbia in Vancouver, and Robert Letcher, Ph.D., at Environment Canada in Ottawa, donated liver tissue samples from three adult male bears to UF. The bears came from a legally controlled hunt in 1993 by the Inuit people native to the Canadian Arctic.

In her research, James concentrated on five types of chemical contaminants known by the acronym POP, for persistent organic pollutants. They include compounds produced by a burning process; a compound used as a substitute for the pesticide DDT when it was banned, and which itself was subsequently banned in 2004; TCPM, an industrial compound found in the Arctic but of unknown origin and toxicity; PCP, used as a wood preservative; and PCBs, industrial chemicals used for many years in electrical applications. All of these substances, with the exception of TCPM, are regulated or banned, but they persist in the environment.

Polar bears break down these fat-soluble chemicals in two steps, each of which makes the substances more water-soluble and therefore easier to excrete, said James. The first

**"The polar bear has quite an efficient system for metabolizing these pollutants. If they can't do it, then it's unlikely that other animals or persons can."**

Studying liver tissue samples obtained from the bears, James found that the animals were surprisingly efficient at metabolizing one of the five types of industrial chemicals studied – those produced by a burning process, which are similar to the compounds that form when meat is cooked on a grill. The other four pollutants, she determined, could not be fully excreted.

"This suggests that other species will metabolize the pollutants more slowly," said James. "When they are not sufficiently excreted the levels go up."

James, chairwoman of the department of medicinal chemistry at UF's College of Pharmacy, became interested in studying pollutants nearly 30 years ago. Around that time researchers first began to understand that industrial byproducts were carried to the Arctic by trade winds and then settled in the subzero temperatures, making them more likely to accumulate in the food chain.

One obstacle James faced in her research: how a Florida researcher might obtain a polar bear for scientific study. Her break came in 2003, when Canadian colleagues Stelvio

step, however, results in a compound that is more chemically reactive and therefore more harmful to living cells, with the potential for reproductive or neurological damage. The second phase, often slower than the first, determines how successfully the animals eliminate the toxins, she said.

In 2001, the world population of polar bears was estimated to be between 21,500 and 25,000, of which some 15,000 were in Canada. James said experts have observed a worldwide decline in their population, which some blame on environmental pollution.

People throughout the world continue to be exposed to chemical pollutants long after they are created and released into the atmosphere, James said. Her immediate research goal is to help scientists gain a better understanding of exactly how these compounds are eliminated from the body. Her long-range goal is to provide governments and regulatory agencies with scientific findings regarding the safety or potential risks of the environmental chemical pollutants that will guide future decisions about the use and the disposal of these compounds.



# College of Pharmacy 19th Annual Research Showcase

The College of Pharmacy 19th Annual Research Showcase, held in February, had four poster and three oral competition winners. Three finalists were selected for each division. In each division, the first prize award was \$600, and the other two finalists received \$300. All finalists received a commemorative plaque.

The 20th Annual Research Showcase will be held February 22, 2007 and will feature Dr. Richard Lalonde, global head of clinical pharmacology at Pfizer.

## POSTER COMPETITION WINNERS

### Postdoctoral: Yasmeen Khan

*Relative Amount of Fluticasone Delivered by HFA-MDI to Children of Different Ages*

**Presenter:** Yasmeen R Khan, Pharmacy Practice/Postdoctoral Fellow

**Authors:** Y. Khan, G. Hochhaus, T. Spencer, J. Shustee, L. Hendeles

### Graduate Student: Whocely Victor de Castro

*Evaluation of the Effect of Grapefruit Juice and its Components on P-glycoprotein Activity*

**Presenter:** Whocely Victor de Castro (Pharmaceutics/Graduate Student)

**Authors:** W. de Castro, S. Mertens-Talcott, V. Butterweck, H. Derendorf

### Pharmacy Student: Cristin Hogan

*Weight-based Heparin Protocols are Efficacious...But Are They Effective?*

**Presenter:** Cristin Hogan (Pharmacy Health Care Administration/Pharmacy Student)

**Authors:** C. Hogan, A. Winterstein, T. Johns, J. Layon, M. Russin, C. Klodell

### Pharmacy Student: Jillian Stewart

*Cardiac Myocyte and Fibroblast ACE2 Activity and Modulation by Estrogens*

**Presenter:** Jillian M Stewart (Pharmacodynamics/Pharmacy Student)

**Authors:** J. Stewart, J. Grobe, M. Raizada, M. Katovich



## ORAL COMPETITION WINNERS

The Dr. Robert A. and Phyllis Levitt Research Award is granted to a graduate student who has performed meritorious research in the areas of health outcomes research or related translational research in the clinical sciences.

### Levitt Award Winner: Tobias Gerard

Department of Pharmacy Health Care Administration

**Research Title:** *Association between Cardiovascular Outcomes, Diuretic Therapy and the  $\alpha$ -adducin Polymorphism: Results from the International Verapamil SR-Trandolapril Study GENetic Substudy (INVEST GENES)*

### Junior Award: Wouter Driessen

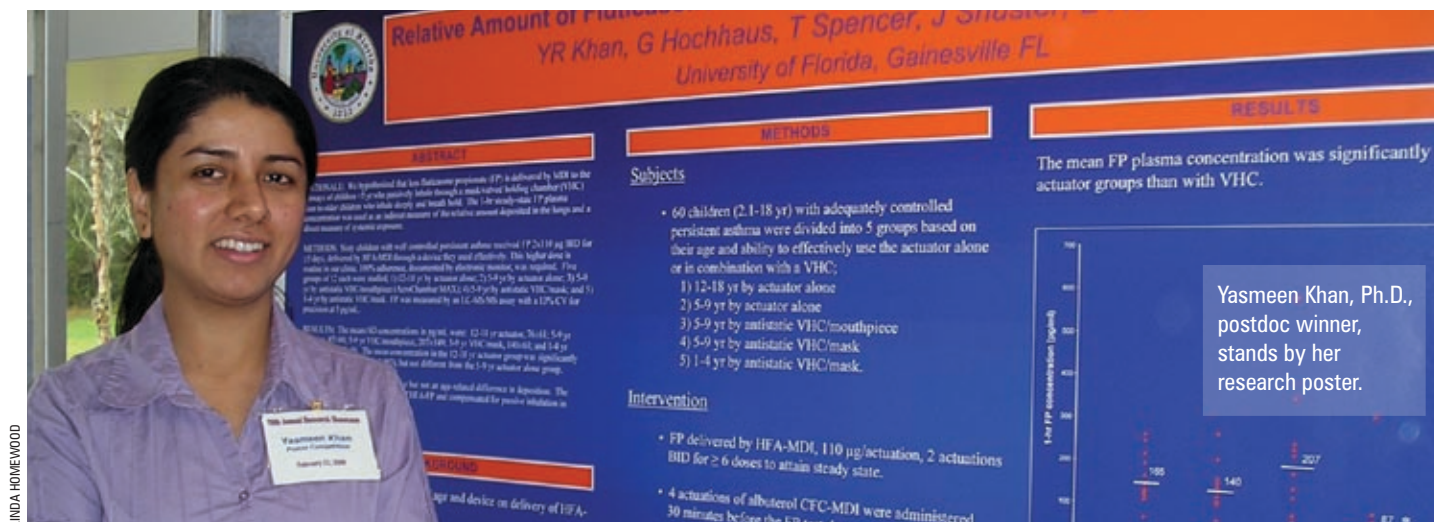
Department of Pharmaceutics

**Research Title:** *Peptide Targeted Lipid Based Gene Delivery*

### Senior Award: Justin Grobe

Department of Pharmacodynamics

**Research Title:** *Prevention of Hypertension-induced Cardiac Remodeling by Angiotensin-(1-7)*



# Champion of Education Through Technology: Pharmacy Dean Bill Riffie Knows How to Deliver

By Linda Homewood

A traveler on a plane sitting next to William Riffie, Ph.D., might learn a few things about the man. Details like he is a dean at the University of Florida in the College of Pharmacy, family is important to him, and that his roots are in West Virginia. But in any conversation, the traveler would soon discover that Riffie's passion is distance education.

Bill Riffie has traveled the globe talking to universities in South America, Europe, Asia and Australia about collaboration to bring UF graduate programs in the health sciences to those countries. His goal is to make it possible for students in any country to become UF students through online technology.

"It comes down to access," Riffie said. "My goal is to break down barriers that keep students—wherever they are—from accessing quality programs at UF."

In 1996, Riffie was named dean of the College of Pharmacy at UF. He came from the University of Texas at Austin where he had a research and teaching career of more than 20 years in pharmacology, toxicology—and technology.

His interest in education technology began at UT in the '70s, where he had students at the Austin campus, but the college's clinical facilities were at another campus in San Antonio. A need to bridge students and clinical faculty coupled with the discovery of a closet filled with old video tape recorders led him to begin experimenting in ways to improve education delivery.

"As my research and professional students prepared for working with laboratory animals, I realized that videotape observation would be valuable in their training," Riffie said.

With new funding and with its new demands to increase student enrollments, his dean encouraged him to work toward linking the two campuses. First, Riffie went to the engineering college to learn more and get a little help with video technology. His meeting proved successful and he left with a donation to his cause: a retired black-and-white camera. Following up with a meeting at the local public television station, he learned that he would need a license from the Federal Communications Commission to broadcast between the two schools. While, some of his colleagues thought this was an obstacle that would halt his efforts, Riffie said he was not worried.

"It's all about talking to the right person—finding someone with the knowledge to help you," Riffie said, "Twenty-four hours later, I got the license."

Starting in 1976, using vacuum-tube technology and microwave grids, and relying on good weather to teleconference, he kept experimenting and improving distance learning at UT through the mid-'80s when the technology turned to digital video compression, Riffie said. The next step was to renovate an old library space to create a studio for videotaping and archiving lectures.

By now, Riffie had more first-hand knowledge about educational technology and its use in the classroom, than most of his academic colleagues. He was named director of UT's College of Pharmacy Learning Resources Center and began his work by



serving on advisory boards and visiting other pharmacy schools across the United States, earning a national reputation in distance education. In 1990, he received a Teacher of the Year award at UT College of Pharmacy.

By the mid-'90s, the UF Health Science Center had become increasingly interested in developing academic technology. His research experience combined with his reputation in educational technologies led to an invitation for him to apply for dean of the College of Pharmacy, Riffie said.

His first distance learning goal as dean was to develop the college's new Working Professional Pharm.D. program. To meet the national demand for pharmacists, the distance program enabled working pharmacists with bachelor's degrees to earn a Doctor of Pharmacy from the UF, without leaving the job or the state where they lived. This year, the program celebrated its 1,000th graduate.

In 2001, Riffie was named as the new associate provost for distance education. The College of Pharmacy took yet another step in distance education by expanding the Pharm.D. program to three other cities in Florida. The new on-campus facility was designed and built with the technology to record class lectures that could be videostreamed or copied to CD for UF students in Jacksonville, Orlando and St. Petersburg.

"This is an exciting time as our distance campus programs continue to grow and mature," Riffie said, "This year, we are graduating our first UF College of Pharmacy students from four cities in Florida."

In his role as associate provost, Riffie provided start-up funding and business guidance to new and growing programs in the HSC, like the doctor of audiology, and master's programs in forensic science and pharmacy regulation. He provided funding for the UF International Center in Beijing, which in turn, assists UF colleges with reaching Asian students and seeking partnerships with Asian universities.

Using the success of the pharmacy programs as a model, other colleges can use existing technologies to develop quality programs," Riffie said.





## GLOBAL FORENSIC SCIENCE U.S. Air Force Captain Flying in Asia Earns UF Master's Degree

By Linda Homewood

Forces of nature and threat of terrorism are all in a day's work to UF forensic science graduate Capt. Sean Knute Wade Adcock, who had hopes of traveling to UF's August commencement from his active duty service in Okinawa, Japan. Instead, the "Top Grad" pilot found himself moving Air Force planes out of harm's way and delivering patients worldwide.

"It was easily one of the busiest weeks of my career; 37 hours in the air, six patients in six days — all critical or needing urgent care," Adcock said.

Typhoons skirting past the Okinawa Islands targeting China, on the heels of a heightened U.S. terrorist alert may have played roles in keeping Adcock from attending his August graduation, but luckily did not detain him from passing with flying colors. In July after completing two years of studies, Adcock was able to make an important journey to the College of Pharmacy for three days of final exams to earn his master's degree in forensic serology and DNA analysis.

Adcock worked on his education through distance learning while serving in the U.S. Air Force in Okinawa, flying medical evacuation missions for service personnel and their dependents. The missions mean transporting patients to any hospital that specializes in the medical emergency — in Asia, Hawaii, or either coast of the continental United States, Adcock said.

Christopher A. Comeau, commander, 909th Air Refueling Squadron, Kadena AFB, and a UF alumnus in aerospace engineering, acknowledged Adcock's eligibility for a promotion with the completion of his master's education, crediting UF faculty for maintaining a high quality distance program.

"As you might expect, he is one of my finest officers; distinguished recently among 500 of his peer officers as being the best in the entire 18th Wing for the second quarter in 2006," Comeau said. "That helps me walk a bit prouder and rib my spouse — an FSU grad — a little harder."

Reared in Alaska, Adcock graduated in 1998 from the U.S. Air Force Academy in Colorado with a bachelor's degree in pre-med biology and a minor in Japanese. For the next five years, he was stationed at MacDill AFB in Tampa. Following the 9/11 disaster, Adcock's unit worked on rotation staying in an RV at the airstrip for emergency response to homeland security. On one mission, Adcock recalled circling the Gator Bowl during a game that was only months after the national disaster.

It was in 2004, one year after his transfer to Okinawa, when Adcock started the UF forensic science program. In addition to flying the medical missions, Adcock is part of a unit that is responsible for mid-air refueling of U.S. and Japanese military jets. Never being in one place for long made finding quality education with distance access a necessity, Adcock said.

"UF and its easily accessible Web sites are what made it possible for me to continue my education from literally everywhere in the world," Adcock said.



PHOTOS COURTESY OF KNUTE ADCOCK  
Captain Knute Adcock (right) trains the Japanese Air Self Defense Force, supervised by Major General Ogada (left), wing commander, at Komatsu Air Base.

## National Award: College of Pharmacy Earns High Honors in Distance Education



The American Distance Education Consortium, this spring, named the University of Florida Global Forensic Science program the winner of its 2006 national Award of Excellence in Distance Education.

The online program, which offers master's degrees and graduate certificates in five areas of forensic science, was selected for the honor by a panel of 16 peer universities affiliated with the consortium.

Dean Bill Riffe, Ph.D., and Forensic Science Program Director Ian Tebbett, Ph.D., received the award along with a \$5,000 stipend in May at the annual ADEC meeting in Washington, D.C. UF joins the ranks of Ohio State, Michigan State and

Cornell universities—some of the most recent award winners.

"Our forensic distance education master's programs have earned a well-respected international reputation in the past six years through our growing student enrollments and through partnering and assisting universities and governments in South America, Europe and Asia in education, workshops and training," Tebbett said.

ADEC, developed in partnership with the National Association of State Universities and Land Grant Colleges, works to advance distance and online learning and to promote science, engineering and technology research, and education.



# Oral Decongestant Replacement:

## UF Pharmacists Challenge Effectiveness

By Christopher Hiatt

University of Florida pharmacists say a popular decongestant in over-the-counter medications is ineffective at the Food and Drug Administration's approved dose.

Phenylephrine has made its way into oral cold and allergy medications in response to new federal restrictions on the sale of pseudoephedrine, an industry standard decongestant that can be used to illegally produce methamphetamine.

In response to new regulations moving medications containing pseudoephedrine behind the counter, many pharmaceutical companies reformulated some of their common cold and allergy medications to keep them readily available on store shelves. Most companies are switching to phenylephrine, which cannot be used to make methamphetamine.

But in a peer-reviewed letter to the editor of the *Journal of Allergy and Clinical Immunology*, UF pharmacists Leslie Hendeles, Pharm.D., and Randy Hatton, Pharm.D., warn that phenylephrine is poorly absorbed into the bloodstream and will not work as well as medications containing pseudoephedrine. Hendeles, an FDA consultant who served on the agency's pulmonary advisory committee for six years, said the FDA should further investigate the drug as more companies are beginning to use it.

"When it is ingested, it becomes inactivated somewhere between the gut and the liver," Hendeles said. "More research needs to be done to determine whether higher doses can be effective and safe."

In 1976, the FDA deemed a 10 milligram oral dose of phenylephrine safe and effective at relieving congestion, making it possible for companies to use the ingredient without conducting studies.

But in their letter, Hendeles and Hatton say phenylephrine does not effectively relieve nasal stuffiness at this dose. They say the FDA cited four tests demonstrating efficacy at the 10 milligram dose, two of which were unpublished and sponsored by drug manufacturers. In contrast, the FDA cited six tests demonstrating no significant difference between phenylephrine and placebo. Hendeles said a higher dose may work, but no research has been published regarding safety at higher doses.

"They need to do a dose-response study to determine at what higher dose they get both efficacy and safety," Hendeles said.

Susan Johnson, Pharm. D., director of the FDA's Division of Nonprescription Regulation Development, said once a drug's ingredients are published in a final monograph, pharmaceutical companies can market it without further FDA approval.

The drug approval process is designed to be public, she added, and citizens have several opportunities to raise questions about new drugs before the agency approves them.



"This was all a public process," Johnson said. "If there are concerns, it was not because the FDA turned a deaf ear."

Under an amendment to the USA Patriot Act, any medication containing pseudoephedrine was put under lock and key nationwide by late September. That means consumers can no longer purchase the medicines off the retail shelf but will have to ask store employees for the drugs, show ID and sign a sales log.

Phenylephrine is not new to the market. It has been commonly used in nonprescription nasal sprays and in eye and hemorrhoid medicines for years. In these applications, phenylephrine is highly effective. But Paul Doering, M.S., a University of Florida professor of pharmacy who teaches about over-the-counter medications, said that phenylephrine has rarely been used in oral decongestants, and for good reason.

"As pharmacists we have always avoided this drug," Doering said. "We all know that it isn't absorbed into the bloodstream well enough."

Sprays with phenylephrine are safe and effective for the relief of nasal stuffiness due to a simple cold lasting less than a week, Hendeles said, but the treatments should not be used for stuffiness from allergies lasting longer because a "rebound effect" can actually worsen congestion.

"Consumers should go that extra step and get it (pseudoephedrine) from behind the counter," Hendeles said.

*Leslie Hendeles, Pharm.D., (left) holds a drug product that contains pseudoephedrine while Randy Hatton, Pharm.D., (right) displays a similar-looking drug product containing phenylephrine, which the UF pharmacists warn is ineffective at the Food and Drug Administration's approved dose.*

# Where Rx Meets Law

## UF Online Master's Program Sets a New Trend in Pharmacy Education

How can pharmacy graduates obtain a better understanding of the role of pharmacy in the public process of legislation and regulation? How can they learn to advocate for the public good?

**T**hey can enter the University of Florida College of Pharmacy's new Master of Science in Pharmacy Regulation and Policy. The program is the only one of its kind in the Country, said David Brushwood, R.Ph., J.D., program director, and a professor of Pharmacy Health Care Administration.

The new online program features nine eight-week courses taken over a 22-month period. Students are also required to attend three weekend seminars at the University of Florida in Gainesville. Brushwood exceeded his own expectations, nearly doubling his goal for the inaugural class – with 20 graduate students.

In the past decade, the pharmacy industry has been successful in advocating for patients through vaccinations, drug therapy management, and recently through medication therapy management, Brushwood said. But there have also been some failures.

Pharmacists are not compensated well for the clinical services they provide. The drug product is seen as a burden to many insurance plans, rather than a benefit. Sometimes government agencies and other programs try to save money by cutting down on drug usage when the public interest would be best served by increasing the drugs because it keeps people well.

Through the new UF master's in Pharmacy Regulation and Policy, Brushwood hopes to better train pharmacists in the field of regulation so they can work with state and federal government agencies, nongovernmental organizations, prescription benefit managers, or state Medicaid.

"By knowing the rules, they can then advocate for pharmacy in the public interest," said Brushwood. "There's real opportunity for us to advocate in the public interest and in the interest of the pharmacy profession."

Brushwood said students will study the use of the drug product within a patient care setting and learn how to improve public policy to better benefit patients by using pharmacists.

Students in pharmacy school are trained to be care providers to individual patients, said Brushwood. The master's program takes the next step of focusing on the entire population — on all patients — and teaching pharmacy students how to improve the system so pharmacists are used more effectively and drug therapy outcomes for everyone improve, he said.

National experts will discuss these relevant topics: postmarketing surveillance, supportive personnel in pharmacy, Rx benefit management programs, medication errors, clinical trials, telepharmacy, and Medicare. Although the natural entry point of the curriculum is August of each year, students who are well prepared can apply and begin at other times of the year with permission.

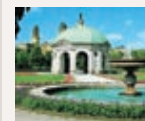
For more information about the program, visit <http://pharmreg.dce.ufl.edu>; call (352) 273-6255 or e-mail [brushwood@cop.ufl.edu](mailto:brushwood@cop.ufl.edu).



# Global Gators

## New Developments in Clinical Pharmacy

### 6th Annual Symposium



**June 9, 2007 • Munich, Germany**  
All former & present Gators are welcome! For details, visit [www.cop.ufl.edu/2007symposium](http://www.cop.ufl.edu/2007symposium)

### 5th Annual Symposium

The College of Pharmacy held its fifth symposium for new developments in clinical pharmacy June 2005 in Leuven, Belgium. More than 150 pharmacy educators and researchers who call themselves Global Gators attended the collaborative meeting hosted by UF and Katholieke Universiteit Leuven. The symposium, organized by Hartmut Derendorf, Ph.D., a UF distinguished professor and chairman of the pharmaceuticals department, is held biennially at a European university. Pharmacy researchers from Belgium, Germany, Austria, Poland, Iceland and the United States presented clinical pharmacy research findings related to drug delivery, drug quality and safety, and pharmacy education topics.

At the close of the daylong meeting, attendees were transported to a reception at the Leuven Town Hall, where Mayor Louis Tobback welcomed the educators and visitors to his city. Symposium organizers Guy Van den Mooter, Ph.D., from the University of Leuven, and Derendorf presented to the mayor a gold gator pin declaring him an honorary Global Gator.



William Millard, Ph.D., (left) executive associate dean of the College of Pharmacy and Hartmut Derendorf, Ph.D., UF pharmaceuticals department chairman, along with Guy Van den Mooter, Ph.D., of the University of Leuven, present a gator pin to Leuven Mayor Louis Tobback (right).





## TEACHER OF THE YEAR Michael J. Meldrum, Ph.D.

*Dean Riffie recognizes Michael Meldrum at Spring graduation as the 2006 Teacher of the Year.*

- Fellow for the American Heart Association, St. Louis University School of Medicine, 1982-83
- Ph.D. in Pharmacology from Ohio State University, 1980
- Master's in Pharmacology from Idaho State University, 1976

Nominated consistently for the past three years, Michael J. Meldrum, Ph.D., an associate professor, has received the 2006 UF College of Pharmacy Teacher of the Year award. His teaching style is to be sure his students learn by understanding rather than by rote memorization. This ensures that the material is firmly planted in students' minds as a base to gain further knowledge, Meldrum said.

Dr. Meldrum joined the College of Pharmacy in 1985 as an assistant professor in the department of pharmacodynamics. In 1991, he was promoted to associate professor and has been chairman of the college's curriculum committee since 1998. He has also served as a department chair and as a graduate student coordinator.

His research focus is on neurotransmitter regulation and release as it relates to hypertension and aging. Elected faculty delegate to AACCP July 2006 meeting, Meldrum is also a member of the Florida Brain Institute, the Society for Experimental Biology and Medicine, the Center for Neurobiology of Aging, and the Center for Neurological Sciences.

## Honorary Doctor of Science Degree Nicholas Bodor, Ph.D., D.Sc.

Nicholas Bodor, Ph.D., D.Sc., received the honorary degree of Doctor of Science for his extraordinary contributions in pharmaceutical research to improve the therapeutic effectiveness of medications. His accomplishments as a scientist, scholar, and leader have had a significant impact in health care.

Bodor is Chief Scientific Officer of IVAX Corporation, President of IVAX Research Institute, Inc., Senior Vice President of IVAX Research, Inc., and Managing Director and Chief Executive Officer of the IVAX Drug Research Institute in Budapest, Hungary. In 2003 Bodor retired from the University of Florida College of Pharmacy where he served for 25 years as a Graduate Research Professor. He was appointed the first recipient of the V. Ravi Chandran Professorship in Drug Design and Targeting. He continues to hold concurrent positions in the College of Pharmacy as Executive Director of the Center for Drug Discovery and as Graduate Research Professor Emeritus (active) in the Department of Pharmaceutics. During his tenure in the College of Pharmacy he supervised the education of more than 50 doctoral students and over 100 postdoctoral level research associates and fellows.

Bodor's main research interests include designing drugs with improved therapeutic indices, creating new chemical delivery systems, utilizing computer-assisted drug design, studying drug transport and metabolism, and inquiring into theoretical and mechanistic organic chemistry. He has published more than 500 research articles, has over 190 patents, presented more than 350 lectures at international symposia, and is on the editorial board of numerous international scientific journals. Bodor is the founder and organizer of a biennial series of symposia entitled, The Retrometabolism-based Drug Design and Targeting Conference, which is dedicated to the study of the drug optimization strategies that he has pioneered.

Loteprednol etabonate, a soft steroid designed by Bodor, is on the market in the U.S. and other countries. Other drugs designed by him using the retrometabolic concepts are in advanced clinical development.

He is an elected Fellow of the Academy of Pharmaceutical Sciences, and a member of the American Association of Pharmaceutical Scientists (AAPS), the American Association for the Advancement of Science, and the American College of Clinical Pharmacology. He is also an Honorary Member of the Hungarian Chemical Society and the Panhellenic Society of Pharmacists.

Among other honors, Bodor has been named "The 1984 Florida Scientist of the Year" and he received the AAPS Research Achievement Award in Medicinal and Natural Product Chemistry in 1988, as well as the American Pharmacists Association Research Achievement Award in Pharmaceutical and Medicinal Chemistry in 1989. He also received an honorary Doctor of Science degree from the Technical University of Budapest in 1989, and then was awarded the Doctor Honoris Causa degree from the Medical University of Debrecen in 1990. In 1994, he was named the first recipient of the Nagai Foundation Tokyo International Fellowship, and in 1995 he was elected to the Hungarian National Academy of Sciences. He was named by the American Chemical Society as the 1996 recipient of the Leo Friend Award.

He is the first College of Pharmacy faculty member to receive a Professional Excellence Award given by the University of Florida in 1996. In 1997, the American Association of Colleges of Pharmacy selected Bodor as the recipient of the Volweiler Research Achievement Award. In 2002, he was elected a Fellow of the World Innovation Foundation. In 2004, the president of Hungary, awarded Bodor the Gold Cross of Merit of the Hungarian Republic.





# Research on Brain Chemicals May Lead to Treatment of Alcoholism

By Amanda McKenzie



"My research will help us understand what goes on in the brain during excessive drinking. This may lead us to come up with a therapy."

— Joanna Peris, Ph.D.

**A**lcohol-related problems cost society in economic terms approximately \$185 billion a year, according to the National Institute on Alcohol Abuse and Alcoholism. The catastrophic costs in human terms cannot be determined.

Addiction to alcohol results in human tragedy not only to the individual but also for families who love and support those caught in this grim illness.

Joanna Peris, Ph.D., associate professor in the Department of Pharmacodynamics in the College of Pharmacy, is conducting basic research that looks at the changes in neurochemistry in the brains of rats choosing to drink alcohol.

This research may discover what chemicals cause the cravings for alcohol and lead to a breakthrough in how to control the urge to drink too much.

"My research will help us understand what goes on in the brain during excessive drinking," Peris said. "This may lead us to come up with a therapy."

The research study has examined the importance of glutamate, an amino acid found in the nervous system that is associated with learning and memory. Peris stated that this amino acid is not directly affected by alcohol.

However, Peris explained that her research has shown that after the animals consume large amounts of alcohol and the symptoms of inebriation wear off, the glutamate levels in the brain rise. The glutamate levels rise when the alcohol is no longer present, and the brain is craving the pleasure that comes with drinking alcohol.

It is believed that abnormal amounts of glutamate may be responsible for cell death, according to the Alzheimer's Association.

Peris said her study is comparing the animals' progress

from responsible drinking to excessive drinking in order to measure the increase in glutamate levels and dopamine.

Peris takes these measurements in the nucleus accumbens of the brain, which is known as "the pleasure part."

The nucleus accumbens is a collection of neurons which plays an important role in reward, pleasure, and addiction. It is capable of reinforcing drug abuse.

Peris said she believes one of the most significant findings of her research on alcohol addiction is that the changes in the rat's brain during alcohol cravings can be measured every ten seconds, whereas most labs can only measure a change every ten minutes.

This allows for a more accurate reading of the continuous changes that appear in the brains of rats.

"Rats are important to this study because they mimic the same craving behavior as humans," Neil Rowland, Ph.D., a professor in the Department of Psychology said.

Rowland said that alcohol is a drug that will cause cravings in humans. If the craving becomes very strong, a person could consume too much alcohol at one time and start to face an addiction.

As therapies are being created and tested for alcoholism around the world, Peris said she hopes that her research will help find new and better treatment for alcoholism.

Dr. William Millard, Executive Associate Dean in the College of Pharmacy, stated that Peris's research program is vital to the overall understanding of alcohol's effects on the central nervous system.

"If she can monitor and document clear changes in neurotransmitter levels in the brain then her work could ultimately help researchers find a potential treatment for this expensive and deadly addictive habit," Millard said.

## Honors & Awards in Pharmaceutics

**Hartmut Derendorf, Ph.D.**, a distinguished professor and chair of pharmaceutics, will also serve for two years as the 2006-07 president of the American College of Clinical Pharmacology, a national association that works to advance the science of clinical pharmacology and educational efforts in the public interest.

"It is an exciting opportunity to serve this membership through ACCP programs that may directly impact how we use current and new pharmaceutical products," Derendorf said.

The ACCP was formed in 1969 by a group of eminent physicians, who wanted to create an organization dedicated to a new branch of pharmacology that dealt with the effectiveness and safety of drugs in man. Today the organization has a membership of about 1,000 professionals.

**Veronika Butterweck, Ph.D.**, and **Hartmut Derendorf, Ph.D.**, co-directors of the Center for Food and Drug Interaction Research and Education, have received a \$317,933 grant from the U.S. Department of Agriculture to investigate grapefruit juice interactions with a cholesterol-lowering drug. The one-year grant supports the UF center's mission through a systematic investigation of the interaction between grapefruit juice and simvastatin, or Zocor, in a time- and dose-dependent manner. The investigation will also assess the potential of clinically relevant drug interactions when the drug is taken regularly with grapefruit juice.

**Jeffrey Hughes, Ph.D.**, an associate professor of pharmaceutics, has received a two-year Exploratory/Development award totaling \$344,510 from the National Institutes of Neurological Disorders and Stroke. Hughes will use the funding to develop new gene delivery systems based on infective microbes.



(from left) ACCP Past-President, Lawrence Lesko, Ph.D., director of the FDA Office of Clinical Pharmacology and Biopharmaceutics, passes the gavel to incoming president, Hartmut Derendorf.

## Publications & Invited Presentations

Department	Refereed		Non-Refereed		Books		Abstracts		In Press		Presentations	
	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06
Medicinal Chemistry	24	22	0	0	4	4	21	19	16	9	12	21
Pharmaceutics	38	49	0	0	4	1	23	13	15	6	53	39
Pharmacodynamics	15	15	0	0	1	1	10	16	10	5	5	6
Pharm. Health Care Ad.	17	30	20	17	0	2	36	26	9	15	28	17
Pharmacy Practice	40	27	14	6	12	5	41	37	11	25	76	68
<b>TOTAL</b>	<b>134</b>	<b>143</b>	<b>34</b>	<b>23</b>	<b>21</b>	<b>13</b>	<b>131</b>	<b>111</b>	<b>61</b>	<b>60</b>	<b>174</b>	<b>151</b>

## Patenting Activity

Department/Center	Disclosures Submitted		Applications Filed		Patents Issued	
	2004-05	2005-06	2004-05	2005-06	2004-05	2005-06
Medicinal Chemistry	4	3	12	6	4	1
Pharmaceutics	1	0	3	0	1	0
Pharmacodynamics	0	0	0	0	0	0
Pharm. Health Care Ad.	0	0	0	0	0	0
Pharmacy Practice	0	1	4	2	0	0
<b>TOTAL</b>	<b>5</b>	<b>4</b>	<b>19</b>	<b>8</b>	<b>5</b>	<b>1</b>



## College Research Dollars

Department	2004-05	% of total	2005-06	% of total
College Total	\$6,873,248	100%	\$8,972,551	100%
# grants	80		103	
Medicinal Chemistry	\$2,650,154	39%	\$2,419,257	27%
# grants	13		23	
Pharmaceutics	\$1,099,022	16%	\$1,532,052	17%
# grants	25		28	
Pharmacodynamics	\$1,394,709	20%	\$1,597,340	18%
# grants	15		17	
Pharmacy Health Care Admin.	\$380,933	5%	\$182,532	2%
# grants	11		8	
Pharmacy Practice	\$1,348,430	20%	\$3,241,370	36%
# grants	16		27	

## Funding by Category

Sponsor Category	FY 2004-05		FY 2005-06	
	Awards	Total Dollars	Awards	Total Dollars
Federal Agencies	33	\$4,830,239	52	\$7,105,795
Florida State Agencies	4	\$235,380	1	\$128,800
Corporations and Companies	32	\$1,357,322	36	\$1,313,555
Foundations & Societies	15	\$878,980	16	\$837,823
Other	1	\$50,351	1	\$29
<b>TOTAL</b>	<b>85</b>	<b>\$7,352,272</b>	<b>106</b>	<b>\$9,386,002</b>

## Federal Agencies

Sponsor	FY 2004-05		FY 2005-06	
	Count	Total	Count	Total
NIH	25	\$4,250,915	49	\$7,024,265
U.S. Dept. of Agriculture	1	\$321,318	1	\$31,000
U.S. Dept. of Veteran Affairs	7	\$258,005	2	\$50,530
<b>TOTAL</b>	<b>33</b>	<b>\$4,830,238</b>	<b>52</b>	<b>\$7,105,795</b>

## FL State Agencies

Sponsor	FY 2004-05		FY 2005-06	
	Count	Total	Count	Total
Agency for Health Care Admin.	1	\$120,629	—	—
Dept. of Children & Families	1	\$14,751	—	—
Dept. of Citrus	2	\$100,000	—	—
Dept. of Health	—	—	1	\$128,800
<b>TOTAL</b>	<b>4</b>	<b>\$235,380</b>	<b>1</b>	<b>\$128,800</b>

## Foundations & Societies

	FY 2004-05		FY 2005-06	
	Count	Total	Count	Total
Am. Assoc. of Ph. Scientists	1	\$500	—	—
Am. Cancer Society	—	—	1	\$20,000
Am. Colleges of Clinical Ph.	1	\$20,000	—	—
Am. Diabetes Association	—	—	1	\$100,000
Am. Found. for Pharm. Ed.	3	\$11,000	—	—
Am. Health Assist. Found.	1	\$90,000	—	—
Am. Heart Association - FL	2	\$39,000	9	\$308,402
Doctor's Memorial Hospital	1	\$65,383	—	—
Juvenile Diabetes Foundation	1	\$150,000	—	—
Ntl. Kidney Foundation of FL	1	\$20,000	—	—
Shands Teaching Hospital	1	\$305,208	2	\$363,921
Suwannee River Area AHEC	1	\$109,000	—	—
UF Foundation	—	—	3	\$45,500
UF Research Foundation	2	\$68,889	—	—
<b>Total</b>	<b>15</b>	<b>\$878,980</b>	<b>16</b>	<b>\$837,823</b>

## Companies

Sponsor	FY 2004-05		FY 2005-06	
	Count	Total	Count	Total
Abbott Laboratories	1	\$23,912	1	\$34,160
AstraZeneca	—	—	1	\$19,945
Bayer AG	1	\$28,056	—	—
Denali Biotechnologies	—	—	1	\$625
Eon Laboratories	9	\$87,083	2	\$15,833
Finzelberg GMBH & Co. KG	—	—	1	\$14,040
Geni Herbs	—	—	1	\$15,438
Geltex Pharmaceuticals Corp.	3	\$656,250	—	—
Genzyme Corporation	—	—	1	\$200,000
Glaxo Smith Kline, Inc.	5	\$101,738	7	\$207,178
Glycadia	—	—	1	\$20,160
Golin-Harris International, Inc.	—	—	1	\$5,000
IVAX Corporation	2	\$134,550	4	\$132,200
Johnson & Johnson	—	—	1	\$163,125
MAP Pharmaceuticals	1	\$27,715	—	—
Max Zeller Sohne	—	—	1	\$10,179
Merck & Company, Inc.	—	—	1	\$50,000
Novartis - United States	1	\$36,174	3	\$105,560
Noven Pharmaceuticals	—	—	4	\$60,321
Pascoe GMBH	—	—	1	\$25,785
Pfizer, Inc.	3	\$168,831	2	\$165,256
Pharma-Forschung, Inc.	1	\$10,000	—	—
Sanofi-Synthelabo Research U.S.	1	\$4,500	—	—
Scios Nova, Inc.	1	\$22,312	—	—
Solvay Pharmaceuticals	1	\$15,200	—	—
Tokiwa Phytochemical Co.	1	\$30,000	1	\$50,000
United Therapeutics Corp.	1	\$11,000	1	\$18,250
<b>TOTAL</b>	<b>32</b>	<b>\$1,357,321</b>	<b>36</b>	<b>\$1,313,055</b>

## Other

Sponsor	FY 2004-05		FY 2005-06	
	Count	Total	Count	Total
Miscellaneous Donors	—	—	1	\$29
Nottingham City Hospital	1	\$50,351	—	—
<b>TOTAL</b>	<b>1</b>	<b>\$50,351</b>	<b>1</b>	<b>\$29</b>



# What I Did Last Summer

## UF Teaches CSI Summer Camp at Local Elementary School



Amy Kinsey, a forensic investigator with the Alachua County Sheriff's Office, shows Oak Hall Students the tools from her crime scene kit and explains how they are used.

As the school year swung into action for students at Oak Hall School, some added a new twist to the traditional "what I did this summer" essay. Forget writing about the beach. They were more likely to have tales of buried meat and blood spatter patterns, at least if they reported on the forensic field trip they took in July.

Donna Wielbo, Ph.D., an associate professor in the College of Pharmacy who teaches UF's forensic DNA and Serology master's program, and David Khey, a UF doctoral candidate in criminology, teamed up to teach a weeklong crime scene investigation summer camp for children ages 10 to 12.

Jeff Malloy, upper school dean at Oak Hall School in Gainesville, contacted UF last year in search of faculty who might help develop a new science-related summer experience.

"Oak Hall School works hard to establish cooperative relationships with agencies like the University of Florida so that we can offer unique, quality summer programs for kids," Malloy said.

Wielbo and Khey brought in a variety of speakers, including an FBI agent, a local law enforcement officer and a magician who showed the students how pickpockets steal. Activities for the week included forensic chemistry tests to identify unknown substances, examining buried meat for insects and decay, learning about the human skeleton and understanding what blood spatter patterns mean to investigators.

Amy Kinsey, a forensic investigator with the Alachua County Sheriff's Office, emphasized to the students that real-life crime scene investigation is quite different from – and not as glamorous as – what they see on television. A 2003 graduate of the UF forensic master's program in toxicology, Kinsey showed the students her crime scene tool kit and led them in a fingerprint examination activity.

Khey, also a graduate of the UF forensic program in drug chemistry, taught an introductory CSI camp at Oak Hall last year that this year's camp expanded on.

## New Faculty

The College of Pharmacy welcomes three new faculty members.



**Raymond G. Booth,** Ph.D., associate professor of medicinal chemistry, comes to UF from the University of North Carolina at Chapel Hill where he was an associate professor of Medicinal Chemistry and Toxicology.

He received a B.S. in pharmacy at Northeastern University in Boston, a Ph.D. in pharmaceutical chemistry at the University of California at San Francisco, and completed a postdoctoral fellowship in neuroscience at Harvard Medical School.

Booth's research focuses on specific protein molecules in the brain that can be targeted by new drugs to treat the progression of a disease and its associated impairments in neurodegenerative diseases such as Alzheimer's and Parkinson's and neuropsychiatric disorders such as schizophrenia, depression and addiction with the goal of developing new drug treatment for brain injury or diseases.

**Teresa L. Kauf,** Ph.D., associate professor, joined the department of pharmacy health care administration in 2005. She received a bachelor's degree in 1989 in Economics from the University of North Carolina at Charlotte and continued on to

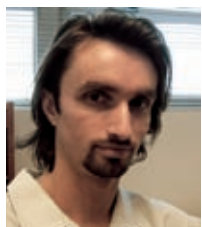


receive a Ph.D. in 1995 in Economics from the University of Illinois at Urbana-Champaign. After completing doctoral studies, Kauf was awarded an Agency for Health Care Policy and Research post-doctoral fellowship in health services research at the University of California at Berkeley.

She served as a health economics consultant to the American Medical Association, the California Department of Health Services, and California Medical Review, Inc. before joining the Division of Pharmaceutical Policy and Evaluative Sciences at the University of North Carolina at Chapel Hill School of Pharmacy.

She served as Health Outcomes Manager for Infectious Diseases at GlaxoSmithKline, Inc. in Research Triangle Park, NC, where she evaluated economic, quality of life, and medication adherence outcomes for more than 10 clinical trials and several studies — mostly in HIV. Prior to joining UF, Kauf extended her work in infectious diseases at the Center for Clinical and Genetic Economics at Duke University. Her research interests at UF

focus on the influence of patient risk on receiving evidence-based medical care, patient adherence to prescribed therapies, and the health and economic consequences of provider and patient adherence.



**Hendrik Luesch**, assistant professor of medicinal chemistry, comes to UF after recently completing a postdoctoral fellowship at the Scripps Research Institute in La Jolla, CA. He received a diploma in chemistry from the University of Siegen in Germany, and a Ph.D. from the University of Hawaii at Manoa.

Luesch's research focus is in small molecules that may have biomedical utility for treatment of diseases like cancer and neurological disorders. His studies include marine natural products, such as blue-green algae, which produce toxins, yet may prove useful in discovery of new drugs to fight cancer. He also uses genomics approaches to identify and characterize genes associated with disease processes.

## Faculty Recognition & Appointments



**Veronika Butterweck**, Ph.D., assistant professor of pharmaceuticals, has been elected to the U.S. Pharmacopeia (USP) Dietary Supplements Botanicals Expert Committee. She will be paramount in setting USP standards for dietary supplements and herbals over the next five years.



**Paul Doering**, M.S.P., distinguished service professor of pharmacy, was chosen as one of five members of the 2006 class of UF's Academy of Distinguished Teaching Scholars. Doering will serve for three years on the advisory board of the University Center for Excellence in Teaching, and earns the lifetime title of Distinguished Teaching Scholar.



**Carrie Haskell-Luevano**, Ph.D., associate professor of medicinal chemistry, has been elected to the Council of the American Peptide Society, a nonprofit scientific and educational organization for advancing and promoting knowledge of the chemistry and biology of peptides.

She will serve a six year term on the council, which serves as a board of directors for members from more than 30 countries.

**Leslie Hendeles**, Pharm.D., a professor of pharmacy and pediatrics in the colleges of Pharmacy and Medicine, is the 2007 recipient of the Sumner J. Yaffe Lifetime Achievement Award. This national award is given annually by the Pediatric Pharmacy Advocacy Group in recognition of significant and sustained contributions toward the improvement of children's health through the expansion of the field of pediatric pharmacology and therapeutics.



**Margaret O. James**, Ph.D., professor and chair of the department of medicinal chemistry has been elected as chair of the Section on Pharmaceutical Sciences of the American Association for the Advancement of Science. Serving a three-year term, James is also a member of the section committee. Her responsibilities include proposing symposia and events related to pharmaceutical science for the annual national meeting of AAAS; communicating with the editor of *Science* to suggest leading articles and authors; and suggesting activities and initiatives for AAAS.



**Julie Johnson**, Pharm.D., professor and chair of the department of pharmacy practice has accepted an appointment to the editorial staff of the *Journal of Clinical Pharmacology and Therapeutics*. Her responsibilities will include reviewing scientific articles, commissioning special reviews for the journal, and acting as a primary advocate for the journal amongst scientific and professional colleagues.



**Doug Ried**, Ph.D., professor of pharmacy health care administration and associate dean for accreditation and assessment has been appointed to a three year term as associate editor of the *Journal of the American Pharmacists Association*. JAPhA is a peer-reviewed forum for original research, review, experience, and opinion articles that link science with contemporary pharmacy practice to improve patient care. The APhA provides timely, high-quality information and education for health care professionals, and is an advocate for improved health through the provision of comprehensive pharmaceutical care.



## 2006 FACULTY PROMOTIONS

**CAROL MOTYCKA**, Pharm.D.  
Assistant Dean for Jacksonville Campus

**ERIN ST. ONGE**, Pharm.D.  
Assistant Dean for Orlando Campus

**JENNIFER WILLIAMS**, Pharm.D.  
Assistant Dean for St. Petersburg Campus

**L. DOUGLAS RIED**, Ph.D.  
Associate Dean for Accreditation and Assessment

**SVEN NORMANN**, Pharm.D.  
Associate Dean for Distance Education

**MICHAEL W. MCKENZIE**, Ph.D.  
Senior Associate Dean for Professional Affairs

**MICHAEL BRODEUR**  
Senior Associate Dean for Finance and Administration



# A Big Score for UF in Building a Gator Nation of Pharmacists

By Linda Homewood

**T**his football season, the University of Florida College of Pharmacy kicked off fall semester with one big score for the Gator Nation: 1,000. That's the number of working pharmacists who have advanced their professional degrees through UF distance education to become official Gators.

In August, Lt. Cmdr. Teresa Watkins, a pharmacist at the U.S. Public Health Service in Washington, D.C., traveled to Gainesville to claim her academic title and her place as the college's 1,000th graduate of the UF Working Professional Pharm.D. program. Her by-chance ranking was secondary to her personal achievement of graduating with top honors and

receiving the college's Outstanding Leadership award.

Balancing the academic demands of the UF program with clinical assessments at the National Institutes of Health and her work as the designated official for two Food and Drug Administration advisory committees proved challenging.

"The program was incredibly rigorous. I continue to be amazed by the quality of the faculty, as well as, the

caliber of student the program attracts," Watkins said.

Though not as commonly-known as the Army, Navy, Air Force or Marines, the PHS is a branch of service quite familiar to William H. Riffe, Ph.D., dean of the College of Pharmacy, who also served there as a young pharmacist. While offering "congratulations from one officer to another," Riffe said the WPPD

students were among the most highly motivated learners he has encountered.

"These students put their education to use the day after mastering the content, raising the level of pharmacy practice immediately in their workplace," Riffe said.

The need for the WPPD program began in the mid-'90s when pharmacy degree programs nationally began phasing out baccalaureate degrees in pharmacy and began offering the Doctor of Pharmacy Pharm.D. degree as a first professional degree, said Sven Normann, associate dean for distance education.

"For many pharmacists, taking time away from their careers to re-enroll in a pharmacy program was not an option and that's why the distance learning program was born," Normann said.

In 1996, the WPPD program formed an early partnership with Compass Knowledge Group Inc., a Florida-based higher education services company, Normann said. Compass provided services in marketing, instructional design, and student recruitment with more than 90 percent retention, growing the national—and international—student enrollment from 40 to 600 by 2005.

For Watkins, the doctor of pharmacy degree opens new doors, including opportunity for a promotion to commander next year.

"With my new credentials, I'm even thinking about possibly returning to a clinical career in the future — after my military service," Watkins said.



Attending the College of Pharmacy August commencement are (left to right) WPPD clinical faculty members Nancy Kazarian, Pharm.D., and Linda Rolston, Pharm.D., who also were among the first graduates of the program in 1997; 1000th graduate Teresa Watkins, Pharm.D., (class of 2006); and Sven Normann, Pharm.D., associate dean of distance education.



Announcing "Dr. Alberta," aka Kourtney Long, Pharm.D. Long, a four-year member of UF's Spirit Mascot program, graduated last spring at the College of Pharmacy commencement. May 2006 marks a milestone for the UF Pharm.D. program. The Pharmacy Class of 2006 — for the first time — graduated a record 203 Pharm.D. students from four campuses across Florida: Gainesville, St. Petersburg, Jacksonville and Orlando.







(l-r) Derek Stephens, Wisener Young, Dean Bill Riffe, Rachel Bridges, and David Seal

## Class of 2006 Representatives

This year marked the first ever Doctor of Pharmacy graduating classes from the Jacksonville, Orlando and St. Petersburg campuses. Commencement exercises were held for the first time at the UF Stephen C. O'Connell Center to accommodate the more than 250 College of Pharmacy graduates and their families and friends. More than 200 Doctor of Pharmacy students graduated from four campuses, including Gainesville. The remaining, more than 50, graduates were comprised of master's and Ph.D. graduates from Gainesville, and Working Professional Doctor of Pharmacy graduates from U.S. and international cities.

The Doctor of Pharmacy graduating seniors from each of the four UF campuses voted to choose a speaker to represent their campus at spring 2006 commencement. These student representatives, exemplary in leadership and service, spoke on behalf of their fellow students: Derek Casey Stephens, Pharm.D., Gainesville Campus; David Seal, Pharm.D., Jacksonville Campus; Wisener Demetrius Young, Pharm.D., Orlando Campus; Rachel L. Bridges, Pharm.D., St. Petersburg Campus.

## The Great Gator Health Fest

### Pharmacy Students Volunteer for Health Screening

The Great Gator Health Fest, held Nov. 2005 and Oct. 2006, is sponsored by the Florida chapter of the American Pharmacists Association Academy of Student Pharmacists, with support from the University of Florida College of Pharmacy's four campuses, Nova Southeastern University and Florida A&M University.



Asthma screening

Pharmacy students work with health-care professionals to provide free cholesterol testing, diabetes screening and bone density testing for osteoporosis. Information was available from the APhA national projects Operation Diabetes, Operation Immunization, Heartburn Awareness and Poison Prevention. The Health Fest booths at J. Wayne Reitz Union Colonnade offer a convenient way to get valuable health information for fans on their way to the stadium for Gator football.

#### A BIG THANK YOU TO THIS YEAR'S SPONSORS:

CVS/pharmacy, Publix Super Markets Charities, Target, Walgreens, Bill & Judy Riffe

## Distinguished Pharmacy Awards

### Allen J. Spiegel, Ph.D.

The Distinguished Pharmacy Alumnus Award recognizes an alumnus whose extraordinary lifetime contributions have had lasting benefits to the profession. Spiegel has built a distinguished career in the pharmaceutical sciences and offers new opportunities to graduate students in pharmaceuticals.

The A.J. Spiegel Graduate Endowment in Pharmaceutical Research will support as many as four graduate student fellows who wish to pursue studies in translational research.

Founder and trustee of the A.J. Spiegel Foundation, he is a member of the UF Alumni Association and the President's Council and has served on the College of Pharmacy National Advisory Board since 2000. An intellectual property consultant, Spiegel retired as director of foreign patents for Pfizer, Inc., where he worked for 43 years.



Spiegel



lafrate

### R. Peter lafrate, Pharm.D.

The Distinguished Pharmacy Alumnus Service Award is presented each year to a UF alumnus who has made outstanding contributions to the pharmacy profession. lafrate, a 1981 graduate, is the director of pharmacy at Shands at Alachua General Hospital and an associate clinical professor for the College of Pharmacy. He has supported the college, serving in many leadership roles during his career.

A member of the Institutional Review Board (IRB) for the UF Health Science Center since 1986, lafrate has served as the chairman since 1996. The board oversees nearly 2,000 active human research protocols. He is a member of the American Society of Health System Pharmacists, the Florida Society of Health System Pharmacists, and the American College of Clinical Pharmacists.



Dufour

### Bob Dufour, B.S.P.

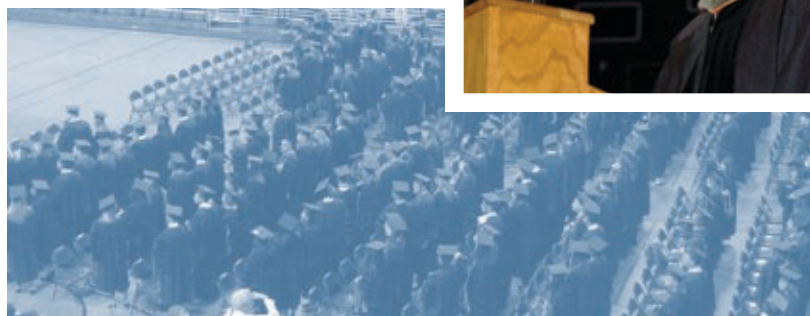
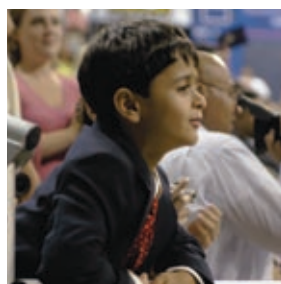
The Distinguished Pharmacy Service Award is presented each year to a non-alumnus who has made outstanding contributions to the College of Pharmacy and to the pharmacy profession. Dufour, director of pharmacy professional services and government relations for Wal-Mart Stores, Inc., works with State Boards of Pharmacies nationwide on compliance issues and regulations. He also works with state and federal officials in development of health care legislation.

A graduate of Northeast Louisiana University College of Pharmacy, Dufour serves as an advisory board member for the pharmacy schools at UF and the University of Louisiana.





# Commencement<sup>SPRING</sup> 2006





## Professional Coating Ceremony

The College of Pharmacy Annual Professional Coating Ceremony was established to recognize and confirm our students' progression toward becoming a professional practitioner of pharmacy.

"We believe this

ceremony represents your growth in your ability and responsibility to provide pharmaceutical care to patients. We look forward to the near future when you will be taking care of patients as a Gator pharmacist throughout your professional career." — Dean Bill Riffe, Ph.D.

A special thank you to our keynote speaker, Jim Goodale ('86) and to Walgreens for sponsoring the pharmacy coating ceremony.



### In Memoriam

Judith Reyes, born in Colon, Cuba, began her first professional year of studies August 2005 for the doctor of pharmacy degree at the UF College of Pharmacy Jacksonville campus. Sadly, her life ended before completing her educational goals to become a pharmacist. Judith's parents, Rodolfo and Myrna Santana of Miami, attended the spring

2006 Professional Coating Ceremony to receive their daughter's white coat in memoriam. The Santanas, with the help of a translator, conveyed their gratitude to the faculty and students at the College of Pharmacy.

Judith's application to the college showed her personal commitment.

"My purpose is to be capable of demonstrating what is called the 'spirit of excellence.' My life is utterly devoted to studying and working as hard as possible so that I can be taken into account as serviceable and worthy of trust within the community," Judith wrote.

Professors, staff and fellow students at the college, along with many others who were touched by Judith, attest that she fulfilled this commendable goal in her life.



Pharmacy students from four UF campuses receive white coats Spring 2006.

## Scholarships

### Biotechnology Education Scholarship

Supports students interested in Biotechnology; taken PHA5172 in prior year or currently; GPA 3.0 or higher; essay; demonstrated financial need

Zane Dowty ('04/'05), Leandre LePorte ('06)

### Russ & Carol Blaser Memorial

Married with children, GPA 3.4 or higher, most financial need

Eneida Metzger ('06)

### CVS/pharmacy Scholarship

3PD/4PD, good academic standing and an interest in a career in community pharmacy practice

Namju Bang ('06), Jason Jernigan ('06), Zena Lehman ('06), Leandre LePorte ('06)

### DeSantis Scholarship

Two students in final two years, good academic standing and financial need

Adriana Natoli ('04/'05), Amanda Rasberry ('04/'05), A'ishah Khan ('06), Jean Kohler ('06)

### DuBow Scholarship

Jacksonville students with stick-to-itivness

Stephanie Ballard ('06), Nancy Elkhoury ('06), Aaron Emmel ('06), Emily Grambling ('06), Carolyn Piazza ('06)

### W.E. Dykes Scholarship

High motivation for a career in pharmacy, outstanding academic performance and financial need A'ishah Khan ('05)

### Elizabeth Eaton Award

Recognizes excellence in searching, evaluating and applying evidence in clinical decision making and quality improvement.

Sarah Rainey ('04/'05), Margaret Ticola ('06)

### Institute for Pharmacy Entrepreneurs Scholarship

Awarded to a 3PD or 4PD who has an interest in ownership; Essay

Laurie Brokowski ('06), Todd Rosen ('06), Farrell Simon ('06)

### Victor Micolucci Scholarship

Financial need, academic standing and lack of parental financial support Judy Duncan ('05)

### William T. and Jackie C. Reid Scholarship in Pharmacy

Financial need and academic excellence. Judy Wu ('06)

### Oscar Araujo Alumni Scholarship

Financial need, first professional year

Amanda Laurenzo ('06), Bolanle Okegbenro ('06), Ritesh Patel ('06), Julie Waxenberg ('06)

### Walgreens Company Scholarship

Student entering final year of pharmacy school, have a minimum overall "C" GPA, demonstrate outstanding leadership and communication skills, and have an interest in retail community pharmacy practice Lauren Riley ('06)

### Wal-Mart Scholarship

High scholastic standing, financial need, strong leadership qualities, interest/experience in community practice. Mikini Alleyne ('04/'05), Sarah Rainey ('05), Olamide Oshikoya ('06)



State of Florida  
Matching Gift Fund:

Making your money go further

Private gifts are vital to the university and the college. The State of Florida provides a unique incentive by matching gifts to endowment through the Major Gifts Trust Fund, thereby allowing a donor’s commitment to further impact pharmacy education. The University of Florida foundation, Inc. (UFF) is the 501(c)(3) non-profit organization that receives, administers and invests private support for the University of Florida and its colleges. With the endowment gift in hand, UFF applies to the state for matching funds based on the current state guidelines outlined below.



Gifts of \$100,000 – \$599,999 receive a matching grant equal to 50 percent.



Gifts of \$600,000 – \$1 million receive a matching grant equal to 70 percent.



Gifts of \$1,000,001 – \$1.5 million receive a matching grant equal to 75 percent.



Gifts of \$1,500,001 – \$2 million receive a matching grant equal to 80 percent.



Gifts of \$2,000,001 or more are matched dollar-for-dollar.

Funding Excellence to Sustain Excellence

By Kelly Markey

Building a foundation for excellence takes forethought, time, and resources. Endowment funds are critical building blocks to that foundation because they generate predictable growing streams of income in perpetuity that create and sustain college teaching and research programs. In essence, they provide the strength to act today while ensuring the stability to plan for tomorrow.

We are educating more students to be better pharmacists, developing new research findings, creating innovative teaching methods, and reaching beyond Florida to offer programs around the world.

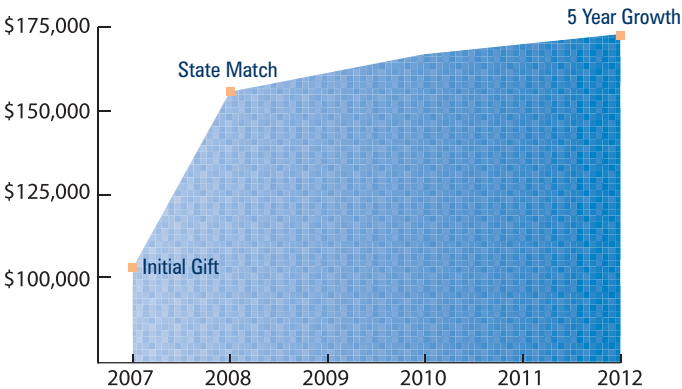
Currently, our college is among the top-11 pharmacy schools in the United States and ranked #13 in NIH funding. In order for us to move into the top-5 ranks we will need to increase available endowment offerings to support faculty growth

and retention, graduate student recruitment, scholarships, and program development.

Allen Spiegel and Carl and Joan Allison are donors who not only embrace the mission of the college but are committed to improving the profession of pharmacy and enhancing pharmaceutical research. As a result of their dedication, the college will continue to grow and preserve professional and scientific excellence for generations to come. I look forward to meeting others, who wish to join these “Leaders in Education” and help them shoulder the responsibilities of building the greatest college of pharmacy in America.

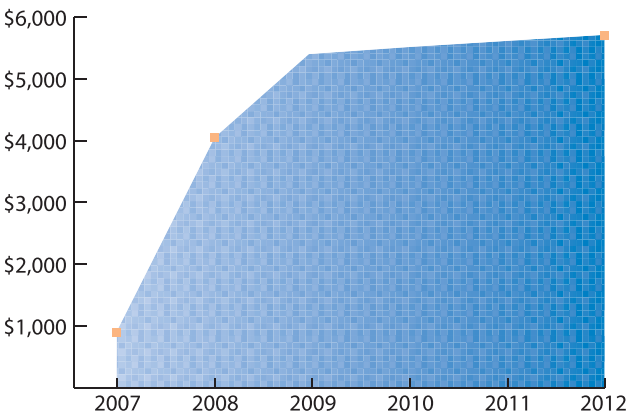
A \$100,000 gift to endowment can be pledged over a five-year period. Upon completion of the pledge, the UF Foundation will apply for a state match. The charts below show the growth and spendable income from a \$100,000 gift.

Market Value Increase of \$100k Gift Including Match



As the market value increases, so does the spendable amount.

Spendable Income of \$100k Gift Including Match



A \$100K gift with state match will generate approx. \$5,000 annually to support faculty and student programs

“Excellence means knowing what you want to do and finding a way to do it.”

- Nicholas Bodor, Ph.D., Director of Center for Drug Discovery

## Gaining the Edge on Excellence: The Next 10 Years

### Research Faculty

Great ideas and discoveries are generated by great faculty and is the basis for excellence at any academic institution. With the scarcity of top research faculty, it is crucial for the college to retain our current stars and recruit top researchers to continue the process of drug discovery and development. Our national reputation among our peers is dependent upon our professional program and our ranking in external NIH funding. Maintenance and growth of our professional program in addition to seed funding for new faculty research, will impact not only how we compare with our peers, but how we impact healthcare throughout Florida and the nation.

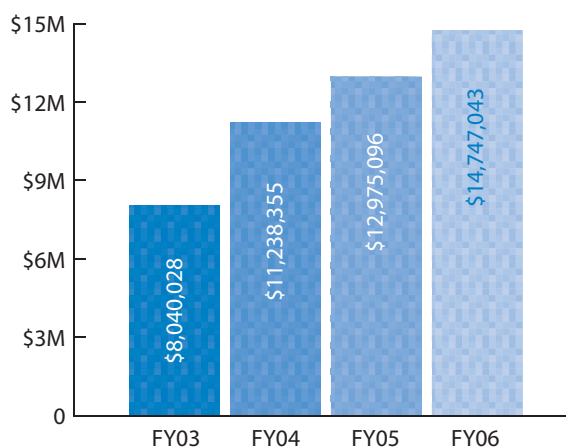
### Graduate Student Recruitment

All leading academic research programs are driven largely by graduate students and postdoctoral fellows, and only through recruitment of the most gifted and qualified candidates can we be successful in our research and graduate endeavors. In order for us to achieve this, we must offer competitive packages to attract the top candidates from across the nation. Furthermore, a high quality graduate program supports and retains quality faculty by providing the foundation for faculty to continue their cutting edge research. It is the fuel that runs our research engine and makes new discoveries possible. These discoveries will create new compounds and more efficient ways to bring drugs to market, thereby enhancing medication therapy management and decreasing errors. The hope is to achieve better drug therapies that will improve patient care and quality of life.

### Academy for Excellence

The Academy for Excellence provides the fuel that enables the college to generate new ideas and initiatives, and to develop leadership qualities in our faculty and students. Without the flexibility of Academy funding, our ability to progress and expand to meet the needs of pharmacy is severely curtailed. State funding is not only reducing the flexibility to utilize those dollars is also restrictive. In the past 10 years the Academy has not only sent our top students and faculty to professional conference and competitions, it also helped to seed our distant campus expansion and the Institute for Pharmacy Entrepreneurs.

### College of Pharmacy Total Endowment Value



In 2006, nearly \$440,000 in spendable income was transferred to the college. Gifts to endowments are not spent, but instead added to the principle and invested to yield a dependable source of income in perpetuity.

### DONOR SPOTLIGHT

## Alumnus gift grows in support of pharmacy education



Dean William Riffie presents the Allisons with a plaque commemorating the Carl and Joan Allison Skills Laboratory at the UF College of Pharmacy

North Florida independent pharmacy owners Carl and Joan Allison have reaffirmed their support of the College of Pharmacy by adding more than \$50,000 to their 2004 contribution, providing a generous \$225,000 total gift to the college.

The Allisons' support will help the college fund educational initiatives like the Academy for Excellence, substance abuse education and student scholarships through the Oscar Araujo Alumni Scholarship Endowment. The college is honoring the gift by establishing the Carl and Joan Allison Skills Laboratory at the Gainesville campus.

Carl Allison graduated from UF College of Pharmacy in 1976 and worked for Revco Drugs for 10 years before the couple opened their first drug store, Baya Pharmacy, in north Florida. Today they own three stores, two in Lake City and one in Jasper.

A member of the Dean's National Advisory Board since 2000, his dedication to the pharmacy profession is evident through his accomplishments. He received the 2005 Suwannee Valley Area Entrepreneur of the Year award, and in 1990 he was a founding member of the Impaired Pharmacist Committee – an intervention program.

The Allisons also support the College of Pharmacy Institute for Pharmacy Entrepreneurs, which Carl participated in last August. The workshop, providing business and finance continuing education for pharmacists, is a UF program that he supported from its early development.

"The aging population and new drug development have resulted in an increase in prescriptions that have made the past 10 years an excellent opportunity for independent pharmacies," he said.

The Dean's Council recognizes alumni and friends, such as you, who support the college with an annual gift of \$500 or more to the Academy for Excellence. This fund provides the college the flexibility to provide vital leadership opportunities for students and faculty and the impetus to develop new programs and educational initiatives. Continued support from the Academy for Excellence allows us to maintain our high ranking and, through your continued support, set our sites on becoming the No. 1 college in the country.

## Annual Membership Levels and Benefits

### BENEFACTOR\* \$1,000+

- ▶ Commemorative brick in Pharmacy Courtyard
- ▶ Exclusive designed college lapel pin
- ▶ Invitation to the Dean's Appreciation Reception
- ▶ Special Rate for Ken Finger Golf Tournament

\*can be pledged over one year

### AMBASSADOR \$500+

- ▶ Exclusive designed college lapel pin
- ▶ Invitation to the Dean's Appreciation Reception
- ▶ Special Rate for Ken Finger Golf Tournament

Donations are tax deductible as allowed by law.

**You can give a gift online at:**

[www.cop.ufl.edu/alumni/giving.htm](http://www.cop.ufl.edu/alumni/giving.htm)

**Or contact:**

UF College of Pharmacy

Office of Development & Alumni Affairs

PO Box 103570, Gainesville, FL 32610

Phone: 352.273.6605

[markey@cop.ufl.edu](mailto:markey@cop.ufl.edu)

## Dean's Council

**We thank you for your support:** Gifts from our alumni and friends help to create an outstanding pharmacy program and an exceptional learning environment.

### Benefactor

#### \$1 Million +

The A. J. Spiegel Foundation

#### \$100,000 +

American Diabetes Assn.  
American Heart Assn. Florida/  
Puerto Rico Affiliate  
Dr. Gayle A. Brazeau  
Genzyme Corp.  
Mr. Robert B. Littler  
Pfizer, Inc.

#### \$10,000 +

AAPS  
Mr. Carl L. Allison III  
American Cancer Society, Florida  
Division, Incorporated  
Amgen, Inc.  
Bodor Enterprises  
Dr. Ronald J. Brenner  
Mr. Raiford M. Brown, Jr.  
Mr. Spurgeon Cheek, Jr.  
CVS Pharmacy, Inc.  
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Ms. Valerie C. Griffith  
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Medco  
Merck & Co., Inc.  
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Inc.  
Mr. Spurgeon Cheek, Jr.  
Walgreen Co.  
Wyeth Pharmaceuticals

#### \$5,000 +

Albertson's  
Dr. Jurgen Barth  
Bill's Prescription Center  
Mr. Michael C. Blaser  
Boehringer Ingelheim  
Duckworth Charitable Foundation  
Mr. Howard Jones  
Novartis Pharmaceuticals Corp.  
Dr. Pamela J. Sims  
Wal-Mart Foundation

#### \$1,000 +

Mr. Paul A. Ackerman  
American Heart Assn., National  
Center  
AmerisourceBergen Services  
Corp.  
Andrx Corp.

Mrs. Betty Araujo  
AstraZeneca LP  
Dr. Philip G. Barton  
Baya Pharmacy East  
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Mrs. Claudia H. Brill  
Mr. Michael S. Brodeur  
Browning's Pharmacy & Health  
Care, Inc.  
Mr. George B. Browning  
Dr. David B. Brushwood  
Burroughs Management Group,  
Inc.  
Dr. Gary G. Cacciatore  
Clinical Pharmacology Services,  
Inc.  
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Ms. Nelida Cobo  
Mrs. Melinda J. Collado  
Mrs. Sherri B. Costello  
Coutu Foundation  
Mrs. Laura G. Dean  
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Mr. Frank A. Dodge  
Mr. Russell R. Dossey  
Drug & Biotechnology Develop-  
ment LLC  
DuBow Family Foundation, Inc.  
Mr. Walter E. Dykes  
Dr. William J. Eells  
excellerRx, Inc.  
Mr. Robert D. Gillis  
Good Neighbor Pharmacy  
Mr. W. Marvin Gresham  
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*Names are listed as they appear on checks or correspondence. We have made every effort to acknowledge each donor giving \$250 or more. If your name is missing, please notify us so we may correct our records.*

*We do apologize for any oversight and want to assure you it was unintended. Contact the Office of Development and Alumni Affairs or e-mail [popwell@cop.ufl.edu](mailto:popwell@cop.ufl.edu).*

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## Outstanding Young Alumni

College of Pharmacy alumni David Medvedeff DPH/MBA ('99), Bill Ratner DPH/MBA ('98), and Denise Klinker DPH/MBA ('03), recipients of UF's 2006 Outstanding Young Alumni Award, joined Dean Bill Riffe at UF Emerson Alumni Hall to receive their award. Established by the UF Alumni Association, the award ceremony recognizes Gators, graduating from UF within the past 10 years, who have distinguished themselves in their profession and in the community.



## DONOR SPOTLIGHT

### Publix Makes a \$100,000 Commitment to Pharmacy Education at UF



(l to r) Betsy Guy, pharmacy operations manager, and UF College of Pharmacy Alumni Emily Fourman, ('71) pharmacy manager, and Heather Hardin, Pharm.D., ('04) assistant manager present a check to Kelly Markey, UF College of Pharmacy director of development and alumni affairs.

Owing much of Publix pharmacists' education and training to the University of Florida, Publix Super Markets Charities, Inc. has made a commitment to pharmacy education at UF. Pledging a \$100,000 gift over five years, Publix joins the College of Pharmacy's efforts to meet the growing demand for pharmacists while promoting excellence.

The Publix Charities organization was established by the founder of Publix Super Markets Inc., George Jenkins, to improve community life, said Betsy Guy, Publix pharmacy operations manager.

The gift will assist the college's distance education outreach campuses in St. Petersburg, Jacksonville and Orlando. The three pharmacy distance education sites combined with the Gainesville campus nearly doubles pharmacy student enrollment at UF, and that will go a long way toward meeting the growing demand for pharmacists in the state, said Dean William Riffe, Ph.D.

The expansion of the college's academic sites across the state coupled with greatly increasing enrollment has created a need for increased faculty and student support, Riffe said. The five-year gift helps by contributing to the college's Academy for Excellence, which fosters student and faculty participation at state and national conferences, in student leadership activities and in research competitions.

"The gift from Publix Charities will ensure the quality of our distance programs across Florida by providing much-needed student and faculty support for leadership activities and educational initiatives," Riffe said.

## LETTER FROM YOUR ALUMNI PRESIDENT

Dear Fellow Gators,

When I wrote to you last, I outlined two primary goals for the Pharmacy Alumni Association. The first was to increase alumni involvement, and the second to financially support the college in two major areas: The Academy for Excellence, the annual fund which helps support student and faculty leadership, and the Oscar Araujo Alumni Scholarship Endowment.



I was thrilled to see strong results in both areas. We have had a great turnout at our alumni events like the Ken Finger Golf Tournament, Grand Guard celebration, and even the Career Days events. The alumni office also reported a fantastic response to the survey sent out to each of you last year. This has given us great ideas for future events and a strong list of alumni volunteers.

Your financial support during the past year has been a critical ingredient in the continuing success of our college. Contributions to the Academy for Excellence, for example, gave us the means to send our student and faculty leaders to the APhA conference in San Francisco in March.

It is so important for us, as alumni, to support current pharmacy students as these will soon be the newest members of our alumni family. They are the future of our profession and are a strong representation of the UF pharmacy program. Thanks to your generous support of our students through scholarship donations, the college has established the Oscar Araujo Alumni Scholarship Endowment and will award the first recipients this year. This award, named in honor of pharmacy professor Dr. Oscar Araujo, will serve as the major alumni scholarship award at the College of Pharmacy. All reunion scholarship gifts will now go to this fund.

I hope you know that one of the reasons the reputation of our college remains so bright is the strength of our alumni and your tremendous accomplishments. To those of you who made a financial contribution to the school this past year, thank you. And to alumni and friends who have contributed their time and intellect in countless ways, thank you. Your contributions have been vital to the school's success. I challenge each of you to continue your support of the college and its students this year.

Please check out the list of upcoming events at your alma mater. I hope that you will mark your calendar, and join us in Gainesville.

Go Gators!

Robert J. Pruneau, RPh ('80)

## Oscar Araujo Alumni Scholarship Endowment

In Fall 2005, the "Oscar Araujo Alumni Scholarship" was created in honor of Dr. Oscar Araujo to commemorate his lasting contributions to the college and to provide scholarship support for deserving College of Pharmacy students. It is a pleasure to announce that through contributions from generous College of Pharmacy alumni, the fund has passed the \$100,000 goal, which qualifies it for a 50 percent state match! As the fund continues to grow, the opportunity for state match increases as well, thus providing additional scholarship support to deserving students.



If you are interested in contributing to the Oscar Araujo Alumni Scholarship, please go to [www.uff.ufl.edu/OnlineGiving/Pharmacy.asp](http://www.uff.ufl.edu/OnlineGiving/Pharmacy.asp) for on-line giving, or contact Christy Popwell at [popwell@cop.ufl.edu](mailto:popwell@cop.ufl.edu).

## 2006-07 Event Calendar

### ■ ASHP Mid-Year Meeting and Convention

December 3-7, 2006

### ■ ASHP College/Shands Reception

December 4, 2006

### ■ Career Days

January 17 & 18 – Gainesville

January 19 – Jacksonville

January 26 – Orlando

February 2 – St. Petersburg

### ■ Multicultural Dinner

January 2007 – Gainesville

### ■ 20th Annual Graduate Research Showcase

February 22, 2007 – Gainesville

### ■ Dean's National Advisory Board Meeting

April 27-28, 2007

eNEWS



## Have you received the college's quarterly E-newsletter?

The college has started to send timely information to all alumni and friends during the year to help keep you informed between Gatorx issues. If you would like to receive them please forward your information including: Name, Address, Phone, class year (if applicable) and e-mail address to [alumhelp@cop.ufl.edu](mailto:alumhelp@cop.ufl.edu)

# Alumni Update

We enjoy hearing from our alumni and friends, sharing their achievements and milestones. Send your news updates to Christy, email: [popwell@cop.ufl.edu](mailto:popwell@cop.ufl.edu).

**Julian Adams ('65)** My family & I own Adams Pharmacy in Lynn Haven, FL. We are a family pharmacy, and have been in business for 30 yrs. All four of my children have worked in the business. Our lives were forever changed when we lost our youngest daughter, Suzanne, 24, in 2004 in an auto accident.

We set up a scholarship at Gulf Coast Community College in Panama City for Speech Pathology, Pharmacy, and Nursing majors that has grown through support of our community and friends. My local Rotary Club has named our annual scholarship the Mary Suzanne Adams Memorial Scholarship and we present them personally each year at a ceremony at Mosley High School. Suzanne was a very bright and beautiful young lady and was loved by everyone. She had a master's degree in Speech Pathology from UF.

**Carl Allison ('76)** Carl owns three pharmacies in Lake City and Jasper, Florida. Son Jared is in 2nd year at UF College of Pharmacy.

**Lynn Bennett ('78)** Lynn opened Southeastern Community Pharmacy May 31, 2005 with Southeastern Integrated Medical. Son will be an 8th grader at PK Yonge. Husband John teaches 7th grade there.

**John Boyle ('62)** My wife, Carolyn and I are now retired. Our daughter, Jennifer Faulkner, is a respiratory therapist at UF/Shands hospital. Our oldest son, Sean, is a state correctional officer in Lake Butler. Our youngest son, Kevin, graduated in 2000 from UF with a degree in structural interior. We have three grandchildren, Michael & Tyler Boyle, and Lindsey Faulkner. We are also blessed with a great granddaughter, Kinsey Faulkner. We are enjoying traveling & spending time with our great-granddaughter.

**Madelein Bronner ('90)** I work full time as a Pharmacy manager for Albertsons. I've been married for 15 years to Mark, (a dentist) who I met at the "blue room" at Shands. We have two wonderful children, David and Emily.

**Dawn Cender ('95)** After graduating, I worked at University of Kentucky and completed my Primary Care residency. I then worked at Duke University Hematology/Anticoagulation clinic for five years and recently took a position at Mission Hospital Anticoagulation clinic in Asheville, NC. Craig and I recently celebrated our 10th wedding anniversary and have two girls, ages 2 and 4 years old.

**Chris Christopoulos ('95)** I work as pharmacy manager for Walgreens in Palm Harbor, Fla. My wife, Angeline, and I have two sons, Panagiotis and Louis.

**Carol Gillis ('94) Steve Gillis ('93)** Carol & Steve and son Ethan, welcomed baby brother Evan Christopher on April 25, 2005 and moved into a new home April 26, 2005. "We don't recommend that combination of events to anyone!"

**Valerie Griffith ('62)** I am now living at Oak Hammock at the University of Florida. It is the best way for a Gator to spend the rest of their life!

**Dean Grussing ('76)** Retired September 2005, but still with CVS as Team Leader at store 293. Living on the beach.

**Clare Gumula ('95)** Pharmacy manager at Publix #370 in Orlando.

**Robert Holt ('85)** Bob Holt was recognized in February 2005 as "Target Pharmacist of the Year" for 2005 at Target Pharmacies home office in Minneapolis, Minnesota. Bob and wife Joanne are proud of our daughter (Andrea) who graduated from UF with Honors in April 2005 and will begin Grad School at UF this fall. We are also proud of our son (Dan) who will be attending UF this fall as a junior in the College of Health and Human Performances. Go Gators!!

**Bill Hughes ('78)** I am working now as manager of Ornge Belt Pharmacy in DeLand, Fla. We are a full-line DME, retail, compounding, and respiratory pharmacy.

**Ray Jurgens ('73)** Daughter Melanie Jurgens, 17, enters UF in Fall 2006.

**Shari Rowe-Kohli ('85)** I live in Jacksonville, FL and have an 11 year old daughter, India.

**Robert Levitt ('61)** I graduated in Pharmacy in 1961 and worked for Marvin Gresham while getting my psychology Ph.D. in 1965. I then spent 35 years as a college professor and then at private practice before retiring back to Gainesville with my wife, Phyllis, in 1997. I have been a full-time UF alumnus and volunteer since I serve on the following Boards: College of Public Health and Health Professions; Department of Psychology; KF Performing Arts; Oak Hammock; and Gainesville Friends of Jazz. We are also lifetime members of the Alumni Association; Scholarship Club members of Gator Boosters and Members of the President's Council.

**Matthew Lord ('95)** I am now the Pharmacy Services Manager at Florida Hospital Waterman in Tavares, FL. I have been married to my wife, Sheri, for six years and have two girls, Madison and Audrey.

**William McCormick ('42)** Bill McCormick, a professor at the U.F. College of Pharmacy (1973-87) and former professor and dean of the University of Houston College of Pharmacy has retired with his wife, Penny, to St. Augustine, FL.

**Robert C. McCurdy ('62)** Congratulations to pharmacist-turned-author, Robert McCurdy, on the publishing of his novel, *Dog Robber*. Available at Amazon.com and bookstores, it is a "chase story" about a young American soldier in post-WWII Germany, who rescues people from behind the Iron Curtain. The character is a pharmacy student whose education is interrupted by the war. Robert says, "Most older pharmacists will relate to the subject, and younger pharmacists may find the historical look at medicine in the '40s, enlightening."

**Timothy Rogers** 2005 recipient of the Bowl of Hygeia Award for the State of Florida. Presented at the annual Florida Pharmacy Association Convention held July 9, 2005 in Marco Island, Florida.

**Linda Rolston ('81) ('97)** Ten years ago, I started in the first WPPD class that today, still continues to grow. Zachary is now in 4th grade- he was a blessing in the middle of the program. I have completed 22 years at Bay Pines and can retire when Zac's a senior in High school.

**David Schwartz ('94)** I have been working with Walgreens in Jupiter, Fla. for 11 years. My wife, Renata, and I celebrated our 11th wedding anniversary and we are just enjoying life with our 2 daughters, Sienna and Madison. God has blessed us mightily!

**Lisbeth McDermott Schwebke ('87)** I recently left my Director's position of nine years (mail order) for a part time staff position with the same pharmacy. I am LOVIN' spending more time with my husband Scott and daughter, Samantha!

**Theresa Tolle ('98)** Theresa was recognized in 2005 by UF as the Distinguished Pharmacy Service Alumnus and also by the Florida Pharmacy Association as the James H. Beal Pharmacist of the year. She recently assumed full ownership of Bay Street Pharmacy where her business partner, Frank Sherako retired after 21 years. Theresa and her husband, Joe, have three baby gators: Taryn, TJ and Taelyn.

**Bill Wynne ('60)** Retired and living in Gainesville.

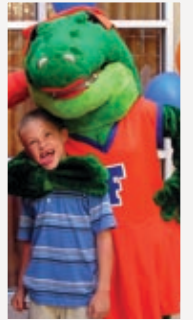




# Alumni Reunion

## 2005-2006

More than 500 alumni, faculty and friends attended the 20th annual pharmacy alumni barbecue reunion sponsored by McKesson. The weekend began with a CE program and Friday evening reception at the UF Hilton Hotel, including pictures with Albert & Alberta. On Saturday, everyone gathered in the HPNP courtyard to enjoy barbecue, visit with student organizations, tour the building and participate in the ever-popular "Pie-in-the-Face" contest that raises support for the student KE organization. Next year's reunion will be based on the game block we receive from the UAA ticket office, so keep your fingers crossed for Vanderbilt Homecoming on Nov 3!



### Pie-in-the-Face Winners! Losers?

**2006:** Paul Doering,  
Jeffrey Hughes, and  
Joanna Peris

**2005:** Leslie Hendeles  
and Doug Ried





# The Business of Pharmacy

By Linda Homewood

Pharmacy students are thoroughly educated in areas of patient care, drug discovery, drug interactions and the latest research, but how much do they know about the business of pharmacy?

That was the question Earlene Lipowski, Ph.D., an associate professor at UF's College of Pharmacy, set out to answer as she consulted business and financial advisers in developing a continuing education curriculum for the Institute for Pharmacy Entrepreneurs.

The three-day business and entrepreneurship workshop, held this August at UF Emerson Alumni Hall, drew more than 40 attendees, including working pharmacy professionals from across Florida and UF pharmacy students seeking practical business knowledge vital to community pharmacy ownership.

Workshop attendees Matthew Stanley, Pharm.D., and Amy Stanley, Pharm.D., work for competing retail chain pharmacies in Tampa, but have dreams of working together someday in their own business. The couple, interested in compounding and long-term care consulting services, graduated in 2004 from Virginia Commonwealth University School of Pharmacy. The Stanleys said the workshop inspired them about the feasibility of business ownership.

"It sparked a lot of questions and gave us direction about where to find those answers," said Amy Stanley.

Allen Deaver, Pharm.D., a 1985 alumnus of UF College of Pharmacy who has owned Taylor's Pharmacy in Winter Park since 1988, said the workshop presenters helped him explore relevant business questions he is facing, such as expanding his business, bringing in partners and thinking about his succession plan.

Topics Deaver found helpful at the workshop related to discussions about Small Business Administration loan guidelines, real-estate financing and a business plan for compounding.

The workshop was developed to divide participants into groups of buyers and sellers who could put into practice the business skills learned and apply them to negotiating real-life business opportunities. The weekend included evening social events to facilitate networking among pharmacy owners like Deaver and those interested in ownership like the Stanleys.



Pharmacists Matthew and Amy Stanley, of Tampa, learned business basics at the 2006 UF College of Pharmacy Business and Entrepreneurship Workshop.

## In Memoriam

**William T. Alfred, Sr., ('50)**, 77, passed away December 20, 2005 after a brief illness. Bill, a lifelong resident of Pensacola. He worked as a pharmacist in Pensacola for 57 years, at several local pharmacies until the time of his death, and was a member of the Florida Pharmaceutical Association for more than 50 years. He loved helping people understand their medicines and was known to always have time to answer anyone's question or to share a funny joke. He was an encouraging, inspiring husband, father, uncle and Papa to his large extended family.

**Karen Rebecca (Williamson) Blake ('99)** passed away on December 26, 2005 at UF/ Shands Hospital in Gainesville FL. Karen began her studies at the University of Florida in Chemistry and transferred to the College of Pharmacy and was admitted to Rho Chi, the pharmacy honorary fraternity. In the last year before Karen's graduation, she was diagnosed with muscular sclerosis (M.S.) Two weeks before graduation, she was hospitalized but with her doctor's approval, she was able to attend graduation and receive her Doctor of Pharmacy degree, with honors, along with her Class of 1999.

**Michael Leo Brunelle ('76)**, 58, of Orlando, passed away October 6, 2005. Mr. Brunelle is survived by wife, Barbara Brunelle; sons, Tim Brunelle and Andrew Brunelle; daughter, Lauren Brunelle; sister, Gloria Weaver; brothers, Steven and Daniel Brunelle; mother, Anna Brunelle.

**Eric E. (Steve) Cox ('41)**, 87, Tampa, passed away December 3, 2005. He was a member of the Order of Mortar and Pestle at UF. After graduation, he was elected president of the Florida Southeastern Pharmaceutical Association and the Hillsborough County Pharmaceutical Association. He owned and operated Cox Drug Store, which was founded in the 1920s. He served his country with honor during World War II in the U.S. Navy. In 1942, Mr. Cox was appointed by Gov. Claude Kirk to the State Board of Pharmacy. He served as president of the board for four years, serving consecutive terms totaling 16 years.

**Michael David Cronin ('94)** of N. Fort Myers passed away April 5, 2006. Michael was an admired and cherished pharmacist at Cape Coral Hospital, and was loved by many. Michael inspired many friends and acquaintances with his courage and bravery throughout his life. He was an avid collector of Corvettes and Camaros. He is survived by his mother, Josephine Cronin, his sisters, Katherine Nash, Kolleen Metarko, three nephews, and his cherished dog Katy.

**Kathleen Lee Eberst** passed away December 4, 2005. Kathy worked with the UF College of Pharmacy for 30 years. After the funeral, friends and colleagues from the College of Pharmacy were welcomed to join a luncheon celebrating her life.

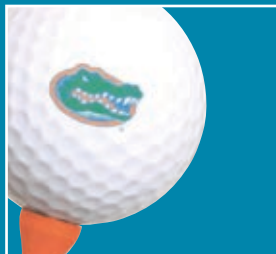
Darla Eberst, Kathy's daughter, sent the following message to the college; "Kathy fought cancer long and hard for the last 18 months, and the support from each and every one of you helped her to have the strength she needed in her battle. The church was filled to capacity with those who touched Kathy's life, and she theirs!"

**Don Krezdorn ('81)** passed away November 15, 2005 after a two-year battle with cancer. A resident of McQueeney, Texas for 20 years, Don worked as a pharmacist at Central Texas Medical Center in San Marcos, Texas.

**Barry J. MacDonald ('74)** passed away December 21, 2005. He truly loved the University of Florida and was very proud to be a graduate of such a fine University.

**Other passings:** Osote Chaiyachati ('02), Robert Showerman ('60), Eric T. Rutherford ('87), Marjorie B. Gregory ('51), Dolores P. Wade ('69), Bernard G. Buzzett ('49), James L. Love, Jr. ('35), David M. Silver ('51), Donald G. Harrison ('59), Lawrence L. Carnes ('63), Craig M. Murray ('02), Roy W. Lanier ('49), Bernard S. Varn ('50), Raymond R. Yates ('58), George B. Jones, Jr. ('68), Julius L. Lovitz ('37), Louis F. Masters ('48), Roy E. Radney ('51), Anthony G. Cusimano ('68), Wesley D. Owens ('34), Edwin E. Kroeker ('67), Lucian E. Andrews ('54), James K. Smith ('68), Jean Whitmore ('66), Charles W. Radcliffe, William B. Seabrook, Jr.

# Ken Finger Memorial Day & Golf Tournament



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## Congratulations to our winning teams:

**October 2006**

- Matt Steen
- Kirk "Woody" Sereda
- Richard Neal
- Jim Bowen

**October 2005**

**1st Flight:**

- Jake Beckel
- John Beckel
- Steve Reeder
- Chris Reeder

**2nd Flight:**

- Stephen Ellis
- Jeffery Gross
- Steve Olive
- Jason Karnes

**Proceeds from the College of Pharmacy golf tournament support graduate fellowships in pharmacy practice and the Academy for Excellence.**

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