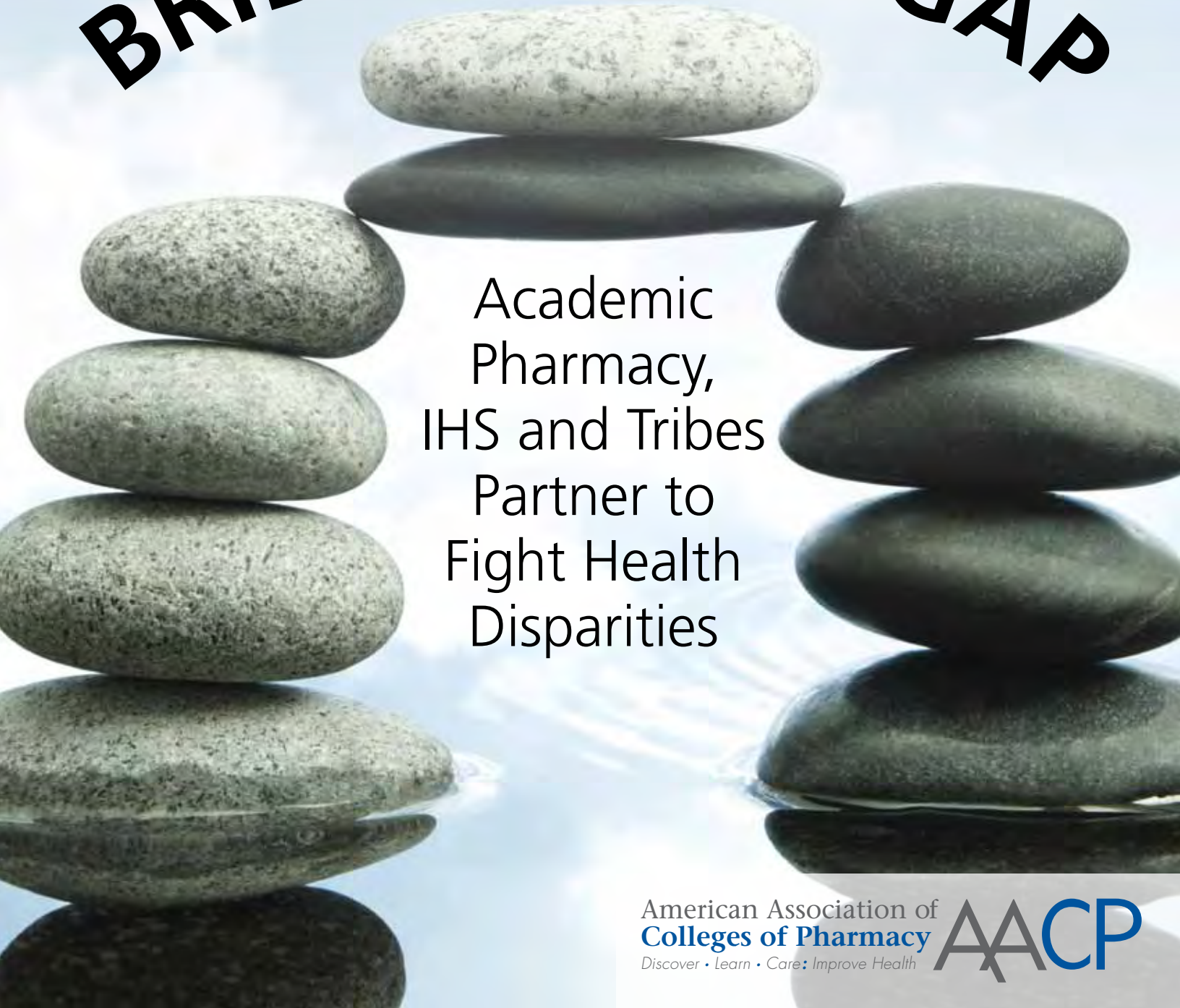


Academic Pharmacy **NOW**

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BRIDGING THE GAP



Academic
Pharmacy,
IHS and Tribes
Partner to
Fight Health
Disparities

News Briefs

MENTHOL'S SOOTHING EFFECTS MAY CAUSE PEOPLE TO SMOKE MORE, SAYS UCONN-YALE RESEARCH TEAM

Researchers at the University of Connecticut (UConn) School of Pharmacy and Yale University have found the cooling properties of menthol suppress the respiratory system's natural response to the irritants found in cigarette smoke, increasing the likelihood that people who smoke mentholated cigarettes will become addicted to them and suffer future health problems. The findings are particularly important for younger smokers, the researchers warn, because they tend to prefer menthol cigarettes over non-menthol brands.

As an additive to cigarettes, menthol stimulates cold receptors, giving the sensation of coolness in the mouth, pharynx and lungs. While there has been much debate about the harmful effects of menthol cigarettes, the UConn-Yale study is the first to confirm menthol's pharmacological effects on smokers and its potential connection to addiction and smoking-related disease. The UConn-Yale research team found that in mice, vaporized menthol immediately blocked the response in airway receptors that promote sensations of irritation to protect the respiratory system. This study was supported by the National Institutes of Health and the American Asthma Foundation and can be found online in the *Journal of the Federation of American Societies for Experimental Biology*.

USC PHARMACY FACULTY MEMBERS PUBLISH ARTICLES ADDRESSING COSTLY CANCER THERAPY AND ILLUSTRATING THE ADVANTAGES OF A PSYCHIATRIC PHARMACIST IN A SAFETY-NET CLINIC

Dr. Shetal Desai, assistant professor at the University of Southern California (USC) School of Pharmacy, was hired in 2007 to solve a growing problem at the Norris Cancer Hospital—the trend of payers to dispute chemotherapy treatments, averaging between \$600,000 to \$1 million each month. To combat this, Desai, a pharmacist with a managed-care background, established an in-house authorization center at Norris that works collaboratively with payers and manufacturer-sponsored patient assistance programs to obtain coverage for cancer chemotherapy treatments. The benefits were published in Desai's article, "In-house authorization center to improve reimbursement for outpatient chemotherapy infusions," which appeared in the May issue of the *American Journal of Health-System Pharmacy*.

Dr. Julie A. Dopheide, an associate professor also at the School of Pharmacy, has found a solution to the demand of specialty services, especially psychiatry, in safety-net clinics in Los Angeles. Dopheide, along with Bosun Chung of the Veterans Administration of Greater Los Angeles, and Paul Gregerson, of the JWCH Institute, worked together to bring a psychiatric pharmacist to the Center for Community Health safety-net clinic in Skid Row. In their article, "Psychiatric pharmacist and primary care collaboration at a skid-row safety-net clinic," in July's issue of the *Journal of the National Medical Association*, the authors explain that many homeless people using the clinic have mental disorders, but do not have access to a psychiatrist. Adding a psychiatric pharmacist and pharmacy residents provide patients with numerous services previously unavailable.

STUDENTS AT FAIRLEIGH DICKINSON UNIVERSITY'S MEDCO SCHOOL OF PHARMACY WILL RECEIVE SPECIALTY TRAINING

Student pharmacists attending the Medco School of Pharmacy at Fairleigh Dickinson University next year will be educated in several specialty pharmacy areas, including clinical trials management. According to Dr. Ruth E. Nemire, the school's dean, Medco is developing programs that enable students to obtain a Pharm.D. alone or in combination with a master's degree in pharmaceutical science, business administration or public administration. Specialty pharmacy areas that will be offered as part of the school's programs include regulatory affairs, medicinal chemistry, medication therapy management and health informatics. The Medco School of Pharmacy is seeking accreditation and will open in the fall of 2012.

VIRGINIA COMMONWEALTH UNIVERSITY HOSTS PHARMACY TRANSFORMATION CONFERENCE

More than 90 Virginia Commonwealth University (VCU) School of Pharmacy faculty, staff, students and alumni—along with pharmacy practitioners and leaders from across North America—convened in Richmond, Va. in June for the first "Pharmacy Practice in the Commonwealth of Virginia: The Practice Transformation Conference." The daylong invitational meeting was designed to provide a forum for identifying key elements to integrate innovative and sustainable pharmacy practice models in various Virginia healthcare settings and to develop a consensus on priorities among the opportunities Virginia pharmacists should pursue to advance pharmacy services. The keynote address, "Healthcare Re-

NACDS Foundation Announces Recipients of Funding for Next Wave of Community Pharmacy Residency Expansion Project (PREP) Grants

The National Association of Chain Drug Stores (NACDS) Foundation announced the 12 academic institutions selected for the next wave of funding for the Community Pharmacy Residency Expansion Project (Community PREP). The \$1.5 million educational grant program is designed to expand community pharmacy residencies for recent pharmacy school graduates. The recipients of this round of funding are:

- Concordia University Wisconsin
- Creighton University
- Ferris State University
- Midwestern University/Glendale
- St. Louis College of Pharmacy
- The Ohio State University
- The University of Kansas
- University at Buffalo, The State University of New York
- University of Charleston
- University of Kentucky

- University of Puerto Rico
- University of Southern California

The NACDS Foundation previously announced grants to Purdue University, University of Missouri-Kansas City and University of North Carolina at Chapel Hill in May.

Each of these academic institutions will receive a \$50,000 residency grant.

Established in 2010, Community PREP seeks to create 30 new, fully accredited postgraduate community pharmacy residency opportunities through grants to non-profit colleges and schools of pharmacy. The grants are designed to foster the creation or expansion of a patient-focused residency program, where a faculty member or preceptor will oversee the selected pharmacy resident's learning experience at a pharmacy practice site.

Community PREP grant applications are accepted on a continuing basis. Fifteen additional awards will be granted in 2012. For more information, contact NACDS Foundation Executive Resident Nick Dorich at ndorich@nacds.org or 703-837-4140.

2011 AACP Election Winners

AACP President-Elect

Mary M. (Peggy) Piascik, Ph.D.

University of Kentucky



Council of Deans Chair-Elect

M. Lynn Crismon, Pharm.D.

The University of Texas at Austin



Council of Faculties Chair-Elect

Robin M. Zavod, Ph.D.

Midwestern University/Downers Grove



Council of Sections Chair-Elect

Timothy J. Ives, Pharm.D.

University of North Carolina at Chapel Hill



Academic Sections

Biological Sciences

Chair-elect:

Marcos A. Oliveira, Ph.D.
(University of the Incarnate Word)

Secretary:

Christina M. Seeger, M.L.S.
(University of the Incarnate Word)

Chemistry

Chair-elect:

James J. Knittel, Ph.D.
(Western New England University)

Pharmaceutics

Chair-elect:

Laura M. Fox, Ph.D.
(Presbyterian College)

Pharmacy Practice

Chair-elect:

Charles T. Taylor, Pharm.D.
(University of Minnesota)

Secretary:

Shauna M. Buring, Pharm.D.
(University of Cincinnati)

Continuing Professional Education

Chair-elect:

Jill M. Fitzgerald, Pharm.D.
(University of Connecticut)

Experiential Education

Chair-elect:

Schwanda K. Flowers, Pharm.D.
(University of Arkansas for Medical Sciences)

Libraries/Educational Resources

Chair-elect:

Jean A. Waldrop, M.S.
(Harding University)

Social and Administrative Sciences

Chair-elect:

Nathaniel M. Rickles, Ph.D.
(Northeastern University)

Secretary:

Ana C. Quiñones-Boex, Ph.D.
(Midwestern University/Downers Grove)

Consortium Working with FDA to Improve Drug Manufacturing Standards

Top researchers in pharmaceutical science and engineering are working with the U.S. Food and Drug Administration to improve drug manufacturing standards in the United States.

The **University of Connecticut (UConn)** is one of 10 member universities that make up the nonprofit National Institute for Pharmaceutical Technology and Education (NIPTE). The academic organization recently entered into a cooperative agreement with the FDA to conduct advanced research that is intended to improve drug safety, reduce healthcare costs and create jobs. As part of the agreement, universities in the consortium will receive cooperative research grants totaling up to \$35 million over the next five years. Besides the University of Connecticut, the other NIPTE member institutions are Duquesne University, Illinois Institute of Technology, Purdue University, Rutgers, The State University of New Jersey, University of Puerto Rico, The University of Iowa, University of Kentucky, University of Maryland–Baltimore and the University of Minnesota.

The research funding comes at a time when the current cost of bringing a drug to market in the U.S. exceeds \$1 billion, and an increasing number of drugs and drug ingredients are being imported from abroad. Investment in the research of drug development and manufacturing is expected to improve America's manufacturing competitiveness and create high-paying jobs. It is also expected to help reverse current outsourcing trends in the pharmaceutical industry by decreasing the cost to manufacture and improving the quality and safety of drugs.

The UConn School of Pharmacy places a strong emphasis on pharmaceutical technology and manufacturing science. The school is a major contributor to NIPTE programs. UConn's prowess in the field and the importance of pharmaceutical technology to industry is reflected by UConn's Pfizer Distinguished Endowed Chair in Pharmaceutical Technology, an endowment from the world's largest research-based biomedical and pharmaceutical company, Pfizer Inc.

UConn pharmacy professor Dr. Michael J. Pikal—who holds the Pfizer Chair—and Dr. Robin H. Bogner, an associate professor, have played an integral role in NIPTE's work as both researchers and committee members. Pikal and Bogner were part of a research team whose work was recently funded by grants from the FDA to NIPTE.

NIPTE Inc. is dedicated to fundamental research and education in pharmaceutical product development and manufacturing. The organization's goal is to increase science and engineering-based understanding of this area so that novel, state-of-the-art technologies can be developed and science-based regulations implemented. These technologies will also enable new drug discoveries to be brought to market faster with less variability, higher predictability of performance and at a significantly lower cost.

The FDA grant will support programs to rectify these drug development and manufacturing problems by creating ways to reduce time to market, improving small-batch production, promoting continuous manufacturing, saving money or energy, or reducing environmental impact from the manufacturing of products.

Other potential research areas covered by the FDA grant include creating simulation models for new drug manufacturing techniques, developing advanced methodologies for quality control, and creating new models for drug delivery such as dry product inhalers, transdermal patches and liposomal products. Research conducted by NIPTE faculty is collaborative by design, to provide for coordinated publication of the cutting-edge research results.



Dr. Robin H. Bogner, left, speaks with a student pharmacist.

Top: Dr. Michael J. Pikal, Pfizer Distinguished Endowed Chair in Pharmaceutical Technology.

Bottom: Students hand fill capsules at the dosage forms lab in the University of Connecticut Pharmacy/Biology Building.

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AACP Walmart Scholars Return from Annual Meeting Inspired to Teach

In this, the seventh successful year, the number of AACP Walmart Scholars increased from 65 to 75 pairs of student and faculty mentors chosen to attend the 2011 AACP Annual Meeting held in San Antonio, Texas in July. The intent of the AACP Walmart Scholars Program is to strengthen the recipient's skills and commitment to a career in academic pharmacy through their participation in the AACP Annual Meeting. The \$1,000 scholarship pays for the students' expenses and defrays about half the faculty mentor's expenses.

As part of their experience, Walmart Scholars and their Mentors attended the Teachers Seminar, which provided many of the scholars with the opportunity to view academia from a different perspective.

"The meeting gave me great insight into what a career in academia entails. Faculty members do so much more than just teach, and I was exposed to many of those responsibilities while in San Antonio," said scholar Amanda Wojtusik from The University of Rhode Island.

Michael Conley from Northeastern University echoed those sentiments saying, "I feel more confident in my capabilities of someday attaining a faculty position, and even more excited for what my future holds."

Other students found the experience served to focus their career goals. Kris Ochs from Southern Illinois University Edwardsville said, "This meeting has assured me that I do have a passion for

academia and has left me inspired to pursue academia in a more thorough manner." Shanna O'Connor from the University of North Carolina at Chapel Hill believes academic pharmacy is "a 'best-kept' secret of the profession."

Walmart Scholarship winners also expressed gratitude for their experiences. "I would like to sincerely thank the American Association of Colleges of Pharmacy and Walmart Corporation for providing me with the opportunity to take part in the 2011 AACP Walmart Scholars Program," said Andrew Straznitskas of the [University of Connecticut](#). "As a young pharmacist aspiring to begin a career in academia, this experience was invaluable. It gave me significant insight into academia as a profession by allowing me to learn more about the roles and challenges of pharmacy faculty in teaching, scholarship and service and providing an incredible opportunity to network with other academic professionals and students with similar interests on a national level."

All of us at AACP wish the AACP Walmart Scholars continued success and thank Walmart for its continuing support of careers in academic pharmacy!

Application materials for the 2012 program are available on the AACP Web site under Career Development, then Research Grants, Fellowships and Scholarship Programs, and are due at AACP by 5:00 p.m. EST on Feb. 14, 2012. Questions? Contact Dr. Jennifer L. Athay at jathay@aacp.org.

—Diane Drakeley



Seventy-five pairs of students and faculty mentors had the opportunity to network with potential future colleagues in the Academy at the 2011 AACP Annual Meeting in San Antonio, Texas.

Retirements

- Emily B. Hak, professor, clinical pharmacy
- Lawrence J. Hak, professor, clinical pharmacy
- Eugene B. Smith Jr., associate professor, clinical pharmacy
- George C. Wood Sr., professor, pharmaceutical sciences

The University of Texas at Austin

Appointments/Elections

- James T. Doluisio has been named dean emeritus.

Awards

- Donna M. Burkett is recipient of the William J. Sheffield Outstanding Alumnus Award.
- Christopher R. Frei has been named recipient of the Distinguished Young Alumnus Award.
- Kenneth A. Lawson Jr., along with Pharm.D. student Sofia Mnjoyan, was named to the 2011 AACP Walmart Scholars Program.
- Marvin D. Shepherd, along with Marie A. Chisholm-Burns and Allison M. Vaillancourt of The University of Arizona, won the American Medical Writers Association's (AMWA) distinguished 2011 Medical Book Award in the Health Care Professionals Category as editors on the pharmacy business textbook, *Pharmacy Management, Leadership, Marketing and Finance*.
- Billy W. Woodward has been named to the Legend of Pharmacy Award.

The University of Toledo

Appointments/Elections

- Sai Hanuman Sagar Boddu, assistant professor of pharmaceuticals

Promotions

- Miles P. Hacker, promoted to master teacher
- Ana Maria Oyarce, promoted from visiting assistant professor to lecturer
- Caren L. Steinmiller, promoted from visiting assistant professor to lecturer

University of Arkansas for Medical Sciences

Appointments/Elections

- William T. Allaben, associate professor of pharmaceutical science
- Nukhet Aykin-Burns, assistant professor of pharmacy practice
- Peter A. Crooks, department chair of pharmaceutical sciences
- Tiffany A. Dickey, assistant professor of pharmacy practice
- Jan K. Hastings was installed as the AACP secretary of the Self-Care Therapeutics/Nonprescription Medicines Special Interest Group for 2011–2012.
- Randy Haun, associate professor of pharmaceutical science, Northwest Campus
- Victoria S. Seaton, assistant professor of pharmacy practice, Northwest Campus
- Rachel A. Stafford, assistant professor of pharmacy practice
- Guangrong Zheng, assistant professor of pharmaceutical sciences

Awards

- Marjan Boerma is the 2011 recipient of the Michael Fry Research Award.
- Peter A. Crooks was named Arkansas Research Alliance (ARA) Scholar for 2011, the second researcher from the college to be awarded the distinction in two years.

University of Connecticut

Appointments/Elections

- Lisa M. Holle, professor of pharmacy practice

Awards

- Marie A. Smith received the American Society of Health-System Pharmacists (ASHP) Research and Education Foundation's 2011 Award for Innovation in Pharmacy Practice.

Grants

- Amy C. Anderson, principal investigator. Source of award: PHS/NIH/National Institute of Allergy and Infectious Disease. Amount of award: \$296,512.00. Title: Targeting Bacillus Dhfr: Structural Studies and Synthesis of Inhibitors; principal investigator, source of award: National Institutes of Health/Duke University. Amount of award: \$34,000.00. Title: Computational Active-Site Redesign Binding Prediction Via Molecular Ensembles; principal investigator, source of award: PHS/NIH/National Institute of General Medical Sciences. Award amount: \$237,650.00. Title: Design of C. Parvum and T. Gondii Dhfr-Ts Inhibitors; principal investigator, source of award: PHS/NIH/National Institute of General Medical Sciences. Amount of award: \$23,765.00. Title: Targeting Dhfr to Design Antimicrobial Agents.
- Brian J. Aneskievich, principal investigator. Source of award: CT Department of Health Connecticut Innovation, Inc. Amount of award: \$99,959.00. Title: Nuclear Receptor Control of Human Epidermal Stem Cells; principal investigator, sponsor: CT Department of Public Health CT Innovations, Inc. Amount of award: \$99,935.00. Title: Nuclear Receptor Control of Human Epidermal Stem Cells.
- Marcy J. Balunas, principal investigator. Source of award: American Cancer Society University of Connecticut Health Center. Amount of award: \$30,000.00. Title: Novel Methodology for Discovery of Cytotoxic Payloads for Antibody-Drugs.
- Robin H. Bogner, principal investigator. Source of award: Baxter Healthcare Corporation. Amount

- of award: \$50,000.00. Title: Application of Qbd Principles To Freeze Dried Injectable Pharmaceutical Products; principal investigator, source of award: U.S. Pharmacopeia. Amount of award: \$25,000.00. Title: Comparison of Biorelevant Media and USP Compendial Media on Solution-Mediated Transformation of Amorphous Drugs during Dissolution.
- Diane J. Burgess, principal investigator. Source of award: Merial Limited. Amount of award: \$44,285.00. Title: In Vitro Release Testing of Eprinomectin LAI; principal investigator, source of award: PHS/DHHS/Food and Drug Administration. Amount of award: \$99,500.00. A Quality by Design: Case Studies and Guidance Elements on Parenteral Dosage Forms; principal investigator, source of award: PHS/Food and Drug Administration. Amount of award: \$12,000. Development of a Mathematical Model to Predict Drug Encapsulation Inside Liposomes containing a Hydrophilic API.
 - Bodhisattwa Chaudhuri, principal investigator. Source of award: Pharmaceutical Research and Manufacturing of America. Amount of award: \$60,000.00. Title: Experimentally Validated Modeling, Optimization and Scale-Up of High Shear Granulation Process.
 - Craig I. Coleman, principal investigator. Source of award: PHS/Agency for Healthcare Research and Quality. Amount of award: \$299,938.00. Title: Biologic and Non-Biologic Systematic Agents and Phototherapy for treatment of Chronic Plaque Psoriasis; principal investigator, source of award: PHS/Agency for Healthcare Research and Quality. Amount of award: \$138,753.00. Title: The Use of Indirect Statistical Comparisons In Epc Reports.
 - Megan Jo Ehret, principal investigator. Source of award: PHS/NIH/National Institute Mental Health Rutgers State University of New Jersey. Amount of award: \$10,000.00. Title: A Psychotropic Medication Adherence: Development of An Inmate Interview Process.
 - Jennifer M. Giroto, principal investigator. Source of award: Connecticut Children's Hospital. Amount of award: \$1,683.00. Title: Advancing CF Outcomes through Improved Adherence.
 - David F. Grant, principal investigator. Source of award: PHS/NIH/National Institute of General Medical Sciences. Amount of award: \$201,998.00. Title: Metabolomics Tools for Biomedicine.
 - M. Kyle Hadden, principal investigator. Source of award: V Foundation. Amount of award: \$200,000. Title: A Chemical Biology Approach To Understanding The Anti-Cancer Effects of Vitamin D3.
 - Philip M. Hritcko, principal investigator. Source of award: Yale University VNAA/VNA East Inc. Amount of award: \$18,900.00. Title: Connecticut Collaboration for Fall Prevention.
 - Sean M. Jeffery, principal investigator. Source of award: VA/Providence Medical Center. Amount of award: \$6,805.00. Title: Group Intervention for Dm Guideline Implementation.
 - Devendra S. Kalonia, principal investigator. Source of award: Genetech, Incorporated. Amount of award: \$102,900.00. Title: A Mechanistic Investigation of Protein-Polyol Interactions; principal investigator, source of award: Biogen Idec. Amount of award: \$83,394.00. Title: Protein Silicone Interactions; principal investigator, source of award: Biogen Idec. Amount of award: \$139,277.00. Title: Effect of Protein-Protein Interactions on Drying of Proteins.
 - Debra A. Kendall, principal investigator. Source of award: PHS/NIH/GM. Amount of award: \$325,084.00. Title: Redesign of Structural Regions of Alkaline Phosphates; principal investigator, source of award: PHS/NIH/National Institute on Drug Abuse. Amount of award: \$50,476.00. Title: Cannabinoid Receptor One-B Arrestin Interactions; principal investigator, source of award: PHS/NIH/GM. Amount of award: \$32,508.00. Title: Redesign of Structural Regions of Alkaline Phosphates; principal investigator. Source of award: PHS/NIH/National Institute on Drug Abuse. Amount of award: \$287,975.00. Title: Determinants of the Cannabinoid Receptor Life Cycle.
 - José E. Manautou, principal investigator. Source of award: PHS/NIH/National Institute of Diabetes and Digestive and Kidney Diseases. Amount of award: \$376,129.00. Title: Transporter Expression

In Response To Hepatotoxicants; principal investigator, source of award: PHS/NIH/National Institute of Diabetes and Digestive and Kidney Disease. Amount of award: \$308,909.00. Title: Transporter Expression In Response to Hepatotoxicants.

- John B. Morris, principal investigator. Source of award: NIH/NHLBI Yale University. Amount of award: \$140,540.00. Title: Counterirritation By Menthol: Molecular Targets And Role In Airway Disease; principal investigator, source of award: American Petroleum Institute. Amount of award: \$109,395.00. Title: Naphthalene Nasal Glutathione Dose Response Characterization Study.
- Michael J. Pikal, principal investigator. Source of award: Givaudan Flavors Corporation. Amount of award: \$142,065.00. Title: Dynamics In Polysaccharide Glasses and Their Impact on the Stability of Encapsulated Flavors; principal investigator, source of award: FDA/National Institute of Pharmaceutical Technology and Education. Amount of award: \$32,283.00. Title: Reviewer Education in State of the Art Pharmaceutical Manufacturing Technology; principal investigator, source of award: PHS/NIH-Physical Science, Inc. Amount of award: \$44,999.00. Title: Development of A Mini Lyophilizer For Pharmaceutical Product Formulation; principal investigator, source of award: Pharmaceutical Research and Manufacturing of America. Amount of award: \$20,000.00. Title: Critical Factors in Biopreservation of Freeze-Dried Protein Formulations. He also received additional funding from PHS/NIH DOC/NIST in the amount of \$133,815.00. Title: Ambient, Dry State Preservation of Therapeutic Macromolecules.
- Marie A. Smith, principal investigator. Source of award: PHS/Centers for Medicare and Medicaid CT DSS. Amount of award: \$133,453.00. Title: Hospital-to-Home Care Transition: Medication Reconciliation and Management.
- Olga Y. Vinogradova, principal investigator. Source of award: American Heart Association. Amount of award: \$66,000.00. Title: Shc in Integrin Signaling; principal investigator, source of award: PHS/NIH/National Heart, Lung, and Blood Institute. Amount of award: \$191,250.00. Title: Investigation of the Vegfr/Integrin Cytoplasmic Domains Interaction.

- Charles M. White, principal investigator. Source of award: PHS/Agency For Healthcare Research and Quality. Amount of award: \$375,000.00. Title: Comparative Effectiveness of VTE Prophylaxis In Orthopedic Surgery and Other Patient Populations.
- Dennis L. Wright, principal investigator. Source of award: PHS/NIH/National Cancer Institute. Amount of award: \$197,655.00. Title: Hdac Inhibitors Inspired by Natural Products.

Promotions

- Philip M. Hritcko, associate clinical professor
- José E. Manautou, professor of pharmaceutical sciences

University of Florida

Awards

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