

# 2007

Annual Report



aspiration

{ inspiration }

WAYNE STATE  
UNIVERSITY  
EUGENE APPLEBAUM  
COLLEGE OF PHARMACY  
AND HEALTH SCIENCES

[www.cphs.wayne.edu](http://www.cphs.wayne.edu)

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# dean's message

2007 was an extraordinary year for the Eugene Applebaum College of Pharmacy and Health Sciences (EACPHS). We continued to grow our student population, generate more credit hours, restructure the college, increase grant funding, and establish several endowed scholarships despite Michigan's budget crisis which affected university funding throughout the state.

Our enrollment for the 2007-08 academic year reached more than 900 students, an increase of approximately 10 percent over the 2006-07 academic year. The Office of Student and Alumni Affairs introduced several programs to reach out to and strengthen communications with prospective students. As a complement to monthly information meetings which draw between 120 to 200 prospective students and their parents, the Office began "online chats." These monthly two-hour chats were lively exchanges with a minimum of 80 prospective students at each chat receiving prompt and accurate responses from our faculty, staff and students. In addition, our academic services officers hosted special information meetings and visited Detroit area high schools to educate students on promising careers in the health sciences through studies at Wayne State University (WSU) and our college.

The WSU Board of Governors approved a joint PharmD/PhD program in the Departments of Pharmacy Practice and Pharmaceutical Sciences. The joint program allows a student to complete both degrees, meeting all current requirements, in as little

as seven years. The Board also approved a Master of Science in Radiologist Assistant, which is being implemented in May 2008. This program joined with the Radiation Therapy Technology and the Radiologic Technology programs will create a strong radiology sciences curriculum in the college.

In a move to strengthen the college, the Occupational and Environmental Health Sciences (OEHS) program was transferred from the college's Department of Fundamental and Applied Sciences to the Department of Health Care Sciences. At the same time, two faculty members from the OEHS program were transferred to the Department of Pharmaceutical Sciences and another to the WSU School of Medicine. This move placed faculty in a richer, basic science-oriented department to better support their research.

Mortuary Science, Anatomic Pathologists' Assistant, Clinical Laboratory Science and Forensic Investigation now comprise the Department of Fundamental and Applied Sciences. Formerly housed in the EACPHS building on the Detroit Medical Center Campus, the Clinical Laboratory Science program moved to the Mortuary Science Building on the WSU Main Campus. This move enables the department's programs to be located in a single site and to better share resources.

A major event for the University was the North Central Association Higher Learning Council Accreditation. Several of our faculty and Board of Visitors members (Tim Spiro, Dick Krieger, Mark Herman and Fred Marx) were actively engaged in the accreditation process. In addition, several of our programs

{ accomplishments }



Beverly J. Schmall, Dean

– Occupational and Environmental Health Sciences, Anatomical Pathologists’ Assistant and Radiation Therapy Technology – experienced onsite accreditation visits. I am proud to report that all of our programs remain fully accredited.

Our college is privileged to have highly motivated, multidisciplinary faculty who teach and mentor our students in the discovery and implementation of new knowledge to improve both practice and treatment in the health sciences. Our 2007 external and internal new grants funding for the Departments of Pharmacy Practice, Pharmaceutical Sciences and Health Care Sciences totaled \$4.8 million (direct costs) for primary investigators and co-investigators. Our research is having a perceptibly positive effect on the health and well-being of people in Detroit, the State of Michigan and beyond. We look forward to increasing our commitment to research in coming years.

I believe strongly that a multicultural society, such as ours, achieves the greatest benefits through multicultural institutions. To perpetuate and promote diversity within our college, I established the Diversity Advisory Board (DAB). The 14-member board of community and business leaders is charged with recommending and implementing strategies to build a culturally and ethnically diverse educational environment. In its first full year of operation, the board established the DAB Endowed Scholarship and already has raised \$90,000 of its \$350,000 goal.

In addition to the DAB Endowed Scholarship, donor generosity also has established the Bill and Linda Watt Endowed Scholarship in the Occupational and Environmental Health Sciences program, the Kathryn M. Beattie Clinical Laboratory Science Endowed Scholarship, the Rachael M. Duffy Memorial Endowed Scholarship in the Pharmacy Practice program, the Lara M. Rutan, MS, PA-C Endowed Scholarship Fund in the Physician Assistant Studies program, and the Dr. Martha E. Schnebly Endowed Research Fund, the Dr. Martha E. Schnebly Visiting Lecturer Award and the Dr. Martha E. Schnebly Endowed Scholarship in the Occupational Therapy program.

In keeping with the mission of Wayne State University, the Eugene Applebaum College of Pharmacy and Health Sciences is making a difference through research, teaching and service learning. Our students exemplify that positive difference in academic excellence, research, community outreach, service, and in their extracurricular activities.

In reviewing the past year’s extraordinary efforts of the college and its faculty, I also introduce to you in this report some of the extraordinary students who reflect the high levels of excellence the college has to offer and make a difference in our college, the University, Detroit, Michigan and beyond.



Beverly J. Schmoll, PT, PhD, FAPTA  
Dean

# research

## grants and contracts



During the past three years, the Eugene Applebaum College of Pharmacy and Health Sciences has experienced an increase in research funding. In 2007, funding has more than doubled over the previous two years.

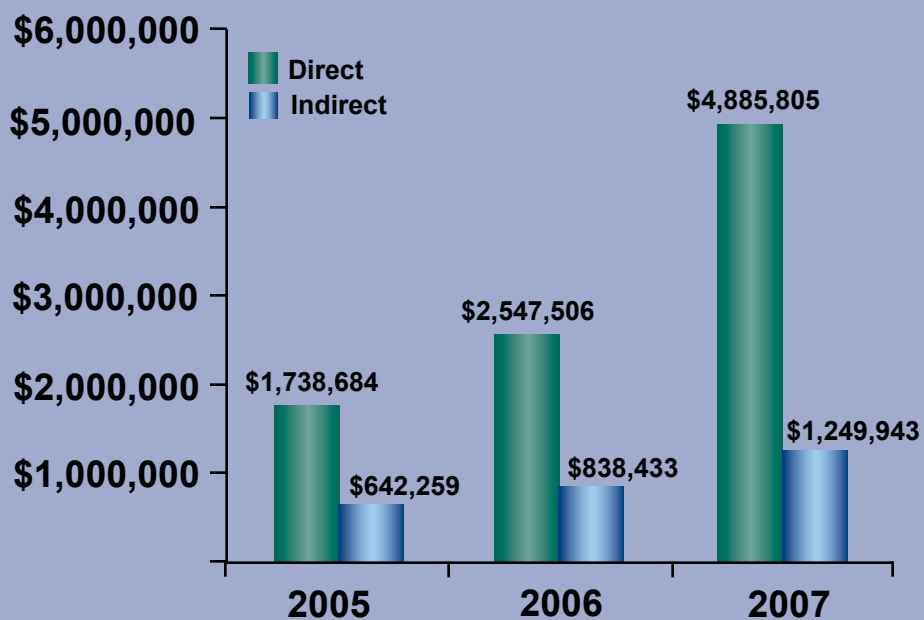
This increase is attributed to the talents of outstanding researchers and the quality of their work and studies. Our college has exceptional scientists who are national and international experts on the cutting-edge of health care research. Their studies focus on

nanotechnology, neuro-science, diabetes, infectious diseases, cancer, heart disease, improving assessment of patient health outcomes, environmental impact on health status and optimizing patient safety and rehabilitation.

The chart shows the college's research funding trends of the past several years. A list of researchers and their grants and contracts awarded to them in 2007 follow.

{ discovery }

### EACPHS Research Funding Trends



**Thomas J. Birk, Physical Therapy**  
**Department of Health Care Sciences**  
Co-investigator  
• \$12,012  
Title: “Effect of Drug Use on the Legs: CVI, Mobility, and Pain”  
Sponsor: National Institute of Nursing Research  
Principal Investigator: Barbara Ann Pieper, Center for Health Research Administration

**Raymond Cha**  
**Department of Pharmacy Practice**  
Principal Investigator  
• \$5,000  
Title: “Antifungal Utilization in a University Teaching Hospital”  
Sponsor: Enzon Pharmaceuticals, Inc.  
• \$10,000  
Title: “Comparative Azole Resistance Profiling in Clinical Isolates of *C. Albicans*”  
Sponsor: Faculty Research Award Program, Wayne State University

**George B. Corcoran**  
**Department of Pharmaceutical Sciences**  
Principal Investigator  
• \$250,000  
Title: Graduate Research Enhancement Award  
Sponsor: Office of Vice President of Research & Provost Grant, Wayne State University

**Gerry Conti, Occupational Therapy**  
**Department of Health Care Sciences**  
Principal Investigator  
• \$10,000  
Title: “Upper Limb Movement Characteristics of Persons with Huntington Disease”  
Sponsor: Faculty Research Award Program, Wayne State University

Co-investigator  
• \$6,230  
Title: “Building Occupational Therapy Skills and Competencies to Advance Mental Health Practices with Older Adults”  
Sponsor: The Retirement Research Foundation  
Principal Investigator: Peter A. Lichtenberg, Retirement Research Foundation

**Susan L. Davis**  
**Department of Pharmacy Practice**  
Principal Investigator  
• \$42,500  
Title: “Hospitalized Patients with Pneumonia, Bacteremia, or Both: A Multicenter Study of Patients Characteristics, Treatment Patterns, and Outcomes”  
Sponsor: Ortho-McNeil Janssen Scientific Affairs, LLC

**Aloke K. Dutta**  
**Department of Pharmaceutical Sciences**  
Principal Investigator  
• \$357,575  
Title: “Novel Neuroprotective Treatment for Parkinson’s Disease”  
Sponsor: National Institutes of Health (NIH)/National Institute of Neurological Disorders and Stroke  
• \$368,490  
Title: “Dopamine Transporter Agents Against Cocaine Dependence”  
Sponsor: NIH/National Institute on Drug Abuse  
• \$16,992  
Title: “Dopamine Transporters and Ions, Substrates, Blockers”  
Sponsor: School of Medicine, New York University

**David J. Edwards**  
**Department of Pharmacy Practice**  
Co-investigator  
• \$17,153  
Title: “Pediatric Pharmacology Research Unit”  
Sponsor: National Institutes of Health  
Principal Investigator: Jacob V. Aranda, Pediatrics, WSU School of Medicine

**Steven M. Firestine**  
**Department of Pharmaceutical Sciences**  
Principal Investigator  
• \$106,354  
Title: “Innovation Award: Regulating Immune Cell Insulin Expression by Small Molecules and G-Quartets”  
Sponsor: Juvenile Diabetes Foundation

**Fusao Hirata**  
**Department of Pharmaceutical Sciences**  
Principal Investigator  
• \$250,000  
Title: “Lipocortin/Annexin I as a Unique Target of Mechanism Based Chemoprevention of Breast Cancer: Computer Biology and *In-Vitro* New Gene Mutation Assays”  
Sponsor: Susan G. Komen Breast Cancer Foundation  
Co-investigator  
• \$6,577  
Title: “Gene Delivery Modulated by Redox Potential Gradients”  
Sponsor: National Cancer Institute, National Institutes of Health  
Primary Investigator: David Oupicky, Department of Pharmaceutical Sciences

**Linda Jaber****Department of Pharmacy Practice**

Principal Investigator

- \$239,357

Title: "Feasibility of Diabetes Prevention in Arab Americans"

Sponsor: National Institutes of Health/  
National Institute of Diabetes and Digestive and Kidney Diseases**Anjan Kowluru****Department of Pharmaceutical Sciences**

Principal Investigator

- \$164,618

Title: "Novel Approaches to Prevent IL-1-Induced Islet Beta Cell Dysfunction"

Sponsor: Juvenile Diabetes Foundation

- \$255,850

Title: "Protein Prenyltransferases in Glucose-Stimulated Insulin Secretion"

Sponsor: National Institutes of Health/  
National Institute of Diabetes and Digestive and Kidney Diseases

- \$50,000

Title: "Studies of Glucagon-Like Peptide-1 Protection of Cytokine-Induced Islet Dysfunction"

Sponsor: Children's Hospital of Michigan  
Grodman Fund

- \$150,000

Title: "GTP-Binding Proteins in Islet Signal Transduction"

Sponsor: Veterans Administration

- \$130,000

Title: Senior Research Career Scientist Award

Sponsor: Veterans Administration

**Victoria Tutag Lehr****Department of Pharmacy Practice**

Co-investigator

- \$6,519

Title: "Development of an Adverse Drug Reaction Assessment Tool for Newborns"

Sponsor: Gerber Foundation

Principal Investigator: Wei Du, Pediatrics,  
WSU School of Medicine**Paul Munzenberger****Department of Pharmacy Practice**

Principal Investigator

- \$79,670

Title: "Efficacy of Priverolimus (Elidel) on Atopic Dermatitis Treatment in African American Children"

Sponsor: Novartis Pharmaceuticals Corporation

**Mary Elizabeth O'Connell****Department of Pharmacy Practice**

Principal Investigator

- \$19,993

Title: "Pharmacist Initiative to Increase Bisphosphonate Use in Patients on Glucocorticoids"

Sponsor: Merck Pharmaceutical Company

**David Oupicky****Department of Pharmaceutical Sciences**

Principal Investigator

- \$249,364

Title: "Gene Delivery Modulated by Redox Potential Gradients"

Sponsor: National Institutes of Health/  
National Cancer Institute

- \$184,138

Title: "Hollow Porous Silica Nanoparticles for Targeted Drug Delivery"

Sponsor: National Institutes of Health/  
National Institute of Biomedical Imaging and Bioengineering

- \$93,196

Title: "Synthesis of Biodegradable Block Copolymer Prodrug DNA Micelles"

Sponsor: Grant in Nanomaterials, Office of the Vice President of Research, Wayne State University

**Joseph M. Pellerito, Occupational Therapy****Department of Health Care Sciences**

Co-investigator

- \$9,347

Title: "Driving After Stroke"

Sponsor: U.S. Department of Education

Principal Investigator: Lisa J. Rapport,  
Psychology, WSU College of Liberal Arts & Sciences

- \$6,230

Title: "Building Occupational Therapy Skills and Competencies to Advance Mental Health Practices with Older Adults"

Sponsor: The Retirement Research Foundation

Primary Investigator: Peter A. Lichtenberg,  
Retirement Research Foundation**Denise Rhoney****Department of Pharmacy Practice**

Principal Investigator

- \$30,000

Title: "Hypernatremic Hyperosmolar State in Acute Brain Injury: Intracranial Pressure Lowering Therapy (Hy-SALT)"

Sponsor: Society of Critical Care Medicine

- \$50,301

Title: "ICH Removal: Minimally Invasive Surgery + rt – PA (MISTIE)"

Sponsor: Johns Hopkins University

- \$155,728

Title: "Nicardipine Versus Labetalol for Acute Hypertension Management in Patients with Acute Unremitting Focal Neurological Deficits"

Sponsor: PDL BioPharma, Inc.

**Michael J. Rybak****Department of Pharmacy Practice**

Principal Investigator

- \$40,500

Title: "ACCP – Ortho – McNeil Infectious Diseases Fellowship"

Sponsor: American College of Clinical Pharmacy (ACCP)

- \$51,079.90

Title: "Daptomycin Pharmacokinetics in Fibrin Clots in a Rat Model of Infection Compared to *In Vitro* Glass Model"

Sponsor: Cubist Pharmaceuticals, Inc.

- \$74,044

Title: "Central Nervous System Penetration and Pharmacodynamics of Daptomycin in Neurological Infections"

Sponsor: Cubist Pharmaceuticals, Inc.

- \$38,916.36

Title: "Evaluation of the *In Vitro* Activities of Daptomycin Against Community – Associated Methicillin – Resistant *Staphylococcus aureus* Versus Hospital – Associated MRSA"

Sponsor: Cubist Pharmaceuticals, Inc.

- \$113,688

Title: "Evaluation of Daptomycin Pharmacodynamics and Resistance at Varying Dosage Conditions Against Methicillin – Resistant *Staphylococcus aureus* with Reduces Susceptibilities to Daptomycin in an *In Vitro* Pharmacodynamic Model with Simulated Endocardial Vegetations"

Sponsor: Cubist Pharmaceuticals, Inc.

- \$54,650

Title: "Evaluation of MRSA Isolates from the Daptomycin Bacteremia and Endocarditis Trial"

Sponsor: Cubist Pharmaceuticals, Inc.

- \$95,387.50
- Title: "Evaluation of Televanin Alone and in Combination Versus Vancomycin Alone and in Combination Against Oxacillin Susceptible and Resistant *S. aureus* in and *In Vitro* Pharmacodynamic Model with Simulated Endocardial Vegetations"

Sponsor: Astellas Pharma US, Inc.

- \$294,461
- Title: "BacLite Rapid MRSA Test Clinical Performance (12MS 10737)"

Sponsor: 3M Company

- \$30,000
- Title: "Clinical Outcomes in Patients with Glycopeptide Heteroresistant *Staphylococcus aureus*"

Sponsor: Fallon Medica, LLC

**Duska Separovic**  
**Department of Pharmaceutical Sciences**

Principal Investigator

- \$226,217
- Title: "Ceramide Production in Photosensitized Apoptotic Cells"
- Sponsor: National Institutes of Health

**David Thomas**  
**Department of Pharmaceutical Sciences**

Principal Investigator

- \$113,003
- Title: "Molecular Mechanisms of Methamphetamine Neurotoxicity"
- Sponsor: National Institutes of Health/  
National Institute on Drug Abuse

**Prudentia A. J. Worth, Nurse Anesthesia**  
**Department of Health Care Sciences**

Principal Investigator

- \$22,296
- Title: "Nurse Anesthetist Traineeship"
- Sponsor: U.S. Department of Health and Human Services

**Patrick M. Woster**  
**Department of Pharmaceutical Sciences**

Principal Investigator

- \$118,000
- Title: "Synthesis and Evaluation of Inhibitors of Lysine-Specific Demethylase 1"
- Sponsor: Cellgate, Inc.

Co-investigator

- \$6,989
- Title: "Gene Delivery Modulated by Redox Potential Gradients"

Sponsor: National Institutes of Health/  
National Cancer Institute

Primary Investigator: David Oupicky,  
Department of Pharmaceutical Sciences

- \$22,725
- Title: "Population Analysis Profile of Patients with Possible Vancomycin Heteroresistant (hVISA) Strains from Linezolid Clinical Trials"

Sponsor: Pfizer Pharmaceuticals, Inc.

- \$7,973.35
- Title: "Evaluation of Stability of Oritavancin in Cation-Adjusted Mueller – Hinton Broth"

Sponsor: Targanta Therapeutics Corporation

- \$92,735
- Title: "Moxifloxacin Versus Levofloxacin and Gatifloxacin Against First-Step ParC Mutants of Streptococcus Pneumoniae in an *In-Vitro* Pharmacodynamic Model"

Sponsor: Schering-Plough Research Institute

- \$39,988
- Title: "Evaluation of Gemifloxacin Alone and in Combination Against Community – Acquired Methicillin – Resistant *Staphylococcus*"

Sponsor: Oscient Pharmaceuticals Corporation

- \$56,889
- Title: "Comparison of *In Vitro* Activity of Cefepime Alone or in Combination with Sulbactam Against Methicillin – Resistant *Staphylococcus aureus* Clinical Isolates"

Sponsor: Elan Pharmaceuticals, Inc.

- \$53,069
- Title: "Evaluation of the Activity of Ceftobiprole, Linezolid, Vancomycin, and Daptomycin Against Community – Associated (CA-MRSA) and Hospital – Associated (HA-MRSA) Methicillin – Resistant *Staphylococcus aureus*"

Sponsor: Johnson & Johnson Pharmaceutical Research & Development, LLC



# student achievements



The energy and the heart of the Eugene Applebaum College of Pharmacy and Health Sciences (EACPHS) are generated through the college's 900 students, our future health sciences professionals. Daily, these students bring their unique and special talents to their chosen professions of study in the classrooms, laboratories, clinical rotations, and through service learning.

Individually and collectively, they contribute to the academic excellence of the 12 college programs. They extend their concern for the health and well-being of society through award-winning research. Their service learning activities and outreach extends into the neighborhoods and communities throughout metropolitan Detroit.

Their academic and scholarship successes, outstanding support for college and University activities, leadership development, and community outreach has brought accolades not only upon themselves, but upon their programs of study, the college and the University.

They are scholars such as **Brianne Deeds**, Anatomic Pathologists' Assistant program, who received a National Student Honor Award from the American Society for Clinical Pathology; **Tracy L. Spiess**, Mortuary Science program, who was awarded an International Conference Funeral Service Education Board Scholarship from the American Board of Funeral Service Education; **Nehal Shah**, Occupational and Environmental Health Sciences program, who was named one of two 2007 Outstanding Students by the Michigan Industrial Hygiene Society; **Renee Tussing** and **Ashley**



{ dynamic }



**Chuvin**, Radiation Therapy Technology program, who placed first and second in the 2007 Scientific Essay Competition of the Michigan Society of Radiologic Technologists.

They are leaders such as **Andrew Moul** from the Physical Therapy program, **Justin Reuter** from the Clinical Laboratory Science program, and **Paul Jackson** from the Radiation Therapy Technology program. They counsel the Dean on student concerns and issues as members of the Dean's Student Advisory Council (D-SAC).

This 2007 Annual Report is dedicated to the students of the Eugene Applebaum College of Pharmacy and Health Sciences. Throughout this publication, photographs capture our students in their studies, research, activities, and community outreach.

Their stories of scholarship, academic successes, leadership, research, and athletic triumphs are as varied as the talents that they bring to their health sciences studies. Featured here are just a few of our students who have distinguished themselves in 2007 and exemplify the accomplishments of our student body.

**Prabha Dhanapal** and **Brittany Brand**, pharmacy students, received Campus Life Leadership Awards recognizing their positive impact on student life and growth at Wayne State University (WSU) and the Detroit community.

In receiving the leadership award, Dhanapal was cited for her work to bring nationally recognized motivational speaker Carl Mays to the WSU campus for the benefit of students, faculty and staff. She secured funding for the program, organized publicity, and planned a luncheon. Dhanapal also served as vice president of Professional Affairs for the EACPHS chapter of the American Pharmacists Association–Academy of Student Pharmacists (APhA-ASP).



## { enthusiastic }

Academically, Dhanapal has distinguished herself by receiving a student research award from the Southeastern Michigan Society of Health-System Pharmacists. Her project “Effects of angiotensin inhibitors on the occurrence of atrial fibrillation after cardiothoracic surgery” also is to be presented at the meeting of the American College of Clinical Pharmacy in April 2008.

Brand received the WSU Outstanding Graduate/Professional Student Award for her multiple leadership positions and activities. These included vice president in charge of graduation fundraising for the PharmD 2009 class, treasurer for Lambda Kappa Sigma (LKS) international professional pharmacy fraternity, member of D-SAC for two years, and EACPHS representative on the WSU Student Council. Active in many pharmacy events, Brand was among the top 10 winners in the patient counseling competition for the Michigan Pharmacists Association and joined other EACPHS students for Pharmacy Day at the State Capitol in Lansing, meeting with legislators to promote the profession of pharmacy.

The recipient of a 2007 Women of Wayne Scholarship, pharmacy student **Tania Begun** believes involvement in student activities is an important part of her professional growth. “Being involved with campus activities (has) allowed me to grow more as a person and realize my strengths and weaknesses,” said Begun, who is a pharmacy intern at Harper University Hospital in Detroit and a pharmacy technician/intern at FRD Sav-Mor Pharmacy in Hamtramck, MI. She is an active member in the WSU National Society of Scholars and

the EACPHS chapter of the APhA-ASP, where she completed immunization certification, administered inoculations in a WSU flu clinic, and attended diabetes and heartburn training sessions.

In fall 2007, first-year pharmacy student **Rachelle Malette** was one of six female student-athletes to receive an inaugural Great Lakes Intercollegiate Athletic Conference (GLIAC) Commissioner’s Award for Academic and Athletic Excellence. The award is sponsored by Meijer and considers both classroom and on the field play.

Athletically, the cross country runner’s list of honors is as outstanding as her 3.51 grade point average (4.0 scale). In 2007, Malette earned All-American honors by recording a fifth place finish at the National Collegiate Athletic Association (NCAA) Championship meet, the best finish ever by a WSU women’s cross country runner. She earned the First Team All-GLIAC honors after winning the conference meet by 35 seconds and the NCAA Regional Individual Champion by almost 20

seconds. Within a four-week period, Malette was selected the GLIAC Women’s Cross Country Runner of the Week on Sept. 11, Sept. 18 and Oct. 2. She was WSU top runner at the GLIAC Championship helping the Warriors to a second-place finish (the best in school history). She repeated as champion of the Tommy Titan Invitational, winning four of the five meets in which she competed, and was named to the U.S. Track & Field and Cross Country Coaches Association (USTFCCA) All-Academic team and the GLIAC All-Academic Team for the second consecutive year. Malette caps these honors as a member of the WSU Athletic Director’s Honor Roll.

Another Warrior athlete, **Melissa Moncion** is a graduate student in the Physical Therapy program. In 2006-07 academic year, she was the recipient of a David Adamany-WSU Alumni Association Endowed Scholarship. This scholarship is granted to undergraduates who demonstrate leadership and service. On the Dean’s list





every semester of her undergraduate career, Moncion was captain for the women's cross country team, an Academic All-American, and secretary for the Student Athlete Advisory Committee. She contributed numerous hours of volunteer service in local elementary schools and at soup kitchens. A member of the student board for the physical therapy class, she continues to participate in volunteer activities in Detroit.

Joining Moncion in receiving a David Adamany-WSU Alumni Association Endowed Scholarship was **Raghda Jajo**, a student in the Radiation Therapy Technology program. A member of the Honors Student Association, she has tutored elementary school students in reading, interviewed students for scholarship awards as part of WSU Scholars Day, and volunteered to build homes through Habitat for Humanity.

**Leah Steinke**, a pharmacy student and former WSU Women's Cross Country runner, gained national attention when the results of the research study "The cardiovascular and metabolic effects of a popular energy drink" were presented at the November meeting of the prestigious American Heart Association. The study was cited on Fox News, MSNBC and other national media as well as in professional publications. Her work was supervised by former faculty Jamie Kalus, PharmD, and funded by an Undergraduate Research and Creative Projects Grant through the WSU Honors Department.

No longer eligible to compete in intercollegiate athletics reaching the NCAA four-year maximum, Steinke continued training on her own and completed her first

marathon in October 2007, the Detroit Free Press Marathon.

**Stephanie McKinney** and **Melissa Sanko**, Physician Assistant Studies students, turned their four-day leadership training and health sciences education in Washington, D.C. this past summer into a health fair. The Association for Prevention Teaching and Research and the Office of Disease Prevention and Health Promotion, U.S. Department of Health and Human Services, selected the students to participate in the Paul Ambrose Scholars Program. As a result, McKinney and Sanko developed "Live Smart, Street Smart" to promote preventive medicine and increase health literacy. The event was held at the Children's Center of Detroit and later moved into the Detroit Public Schools.

**Jane E. McDonnell**, second year pharmacy student; **Devika S. Manickam**, graduate research assistant; and **Stacey Schepens**, research coordinator for the Physical Therapy Mobility Research Lab, took top honors in the 4th Annual EACPHS Research Forum. More than 60 posters were presented at the Forum, the largest number since the program began.

McDonnell received the Undergraduate Award for "Creation of a High Throughput Assay for N5-CAIR Synthetase." It was part of a directed study conducted under Steven Firestine, PhD, assistant professor in the Department of Pharmaceutical Sciences. With no experience in scientific research, McDonnell took on the directed study to learn more about the research branch of pharmacy.

Manickam works in the laboratory of

David Oupicky, PhD, associate professor in the Department of Pharmaceutical Sciences. She was one of two students to earn an award in the Graduate Division. Manickam described her poster "Bel-2 over expression as a proxy redox stimulus to enhance activity of reducible gene delivery vectors" as a collaborative project involving research assistants from the laboratories of Fusao Hirata, PhD, professor in Pharmaceutical Sciences, and Lawrence H. Lash, professor in Pharmacology, WSU School of Medicine. The research is focused on developing carrier systems to deliver drugs and gene-based therapies to human cancers.

In addition to the EACPHS Research Forum, Manickam made poster presentations at the 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City; the annual meeting of the Society of Biomaterials, Chicago; and the 10th annual meeting of the American Society of Gene Therapy, Seattle.

This is the second consecutive year that Schepens has taken honors in the Graduate Category. Her poster "Is the short version of the Activities-specific Balance Confidence scale a valid measure of balance confidence, and is it related to balance impairment and falls in older adults?" For this study, she worked with Allon Goldberg, PhD, assistant professor in the Physical Therapy program, and **Melissa Wallace**, a student in the Doctor of Physical Therapy program. Currently, Schepens is working on her dissertation, addressing the effectiveness of a multimedia education program to reduce risk of falls in older adults. Her long-term career plans include completing a post-doctoral fellowship

# { inquisitive }

and continuing research as a faculty member at a major research university.

Taking Best Poster Presentation at the 13th annual Del Harder Rehabilitation Research Day, Detroit, was **Anisha J. Kubadia**, post professional in the Master of Science in Occupational Therapy (OT). Under the guidance of Gerry E. Conti, PhD, OT assistant professor, Kubadia studied “Difference in Whole Arm Reaction Time in Young Adults.”



Student leadership guides change in the Eugene Applebaum College of Pharmacy and Health Sciences. **Jason Laughlin** in Anatomical Pathologists’ Assistant (APA) and **Joshua Raub** in Pharmacy Practice represent their respective programs on the Dean’s Student Advisory Council (D-SAC). Raub, who is president of the 2009 pharmacy graduating class, credits his association with D-SAC as providing an opportunity to get to know and to interact with students from the other health sciences in the college.

It is that interaction between disciplines that Laughlin would like to see expanded into the health sciences professions. Before entering the APA program, Laughlin worked as a phlebotomist and experienced division within the health care professions. He believes that change starts at the educational level and would like more communications classes on interpersonal relationships, more awareness programs on issues and trends in health care, and a student organization dealing exclusively in health issues with representatives from all health care fields.

When our students come together through professional associations and organizations,

and service learning, they can “slay the dragon.” It was the EACPHS chapter of the American Pharmacist Association-Academy of Student Pharmacists (APhA-ASP) that received the National Innovative Programming Award for such a feat. “Sex, Drugs and the Dragon” was a Hepatitis C prevention program, educating students in WSU residence halls on the dangers of illegal drug use, unsanitary tattooing, and unprotected sex.

Individually and collectively, our students are well positioned upon graduation to advance the health and well-being of society as highly skilled health care professionals. Their scholarship, research, leadership, service learning and community outreach experiences prepare them well to advance health care services as researchers, educators, and practitioners from the local to the national and international arenas.

More importantly, our student leaders are prepared to be advocates on behalf of those they will serve. Our students become the legacy of our college – a grand cumulative legacy which we enjoy from our many alumni.



WAYNE STATE  
UNIVERSITY  
EUGENE APPLEBAUM  
COLLEGE OF PHARMACY  
AND HEALTH SCIENCES

# scholars



## **Fred Arnold Pharmacy Scholarship**

Kelly Rivait

## **Alfred Berkowitz Pharmacy Scholarships**

Brittany Brand  
Natalie Pirkola

## **American Society for Clinical Pathology National Student Honor Award**

Brianne M. Deeds

## **CVS/pharmacy Awards**

Stephanie Baringhaus  
Beth Drittler  
Tarik Ibrahim  
Kaitlin Lulek  
Angela Michael  
Jennifer Sholy  
Ruchi Singh

## **Nettie & Paul C. Deutch Endowed Pharmacy Scholarships**

Marcie Ferraro  
Trevor Wood

## **Paul C. & Nettie Deutch Pharmacy Scholarships**

Garrette Belanger  
Yan Jin  
Kimberly Moon

## **Robert C. Johnson Pharmacy Scholarship**

Shannon Tetreault

## **Joseph Katz Memorial Pharmacy Scholarship**

Leah Steinke

## **Dick Kuschinsky Pharmacy Scholarship**

April Mulka

## **Lambda Kappa Sigma Ruth Davis Flaherty Award**

Stephanie Grimaldi

## **Medical Technology/CLS Scholarships**

Haidar Tabatabai  
Amran Alsaedy

## **Medical Technology Alumni Scholarship**

Christine M. McElwayney

## **Meijer, Inc. Pharmacy Scholarship**

Tom George

## **Michigan Pharmacy Foundation Scholarship Award**

Kathryn Prange

## **Pharmacists Mutual Companies Scholarship**

Joshua Raub

## **Robert Rembisz Memorial Pharmacy Scholarship**

Igor Kleyner

## **Gordon W. Rose Mortuary Science Scholarships**

Courtney Harris  
James Robinson  
Sheridan Tomaszewski  
Bruce Zenner

## **Physical Therapy Alumni Scholarships**

Sarah Gasowski  
Brandi Hazamy  
Sarah Kroll  
Sarah Moriarty  
Hiral Patel  
Renu Thomas  
Michael Tompos  
Peter Trifan  
Danita Weber

## **Schlomer Endowed Scholarships for Physical Therapy**

Cherie DeVries  
Jacqueline DiPonio  
Kristen Finos  
Juliana Mitchell

Melissa Moncion  
Angela Nagle  
Andrea Sherman  
Amy Smolinski  
Melissa Wallace  
Elizabeth Wilkins

## **Schlomer Endowed Scholarships for Occupational Therapy**

Caitlin Carroll  
Tazul Choudhury  
Deborah Hood  
Lindsey Howard  
Natalie Hutter  
Kristyn Melucci  
Saad Mirza  
Martina Recine  
Erin Spaniol  
Susan Szubeczak

## **Martha Schnebley Occupational Therapy Awards**

Steven Basarac  
Shelley Harris  
Rachel Nzoma

## **Southeastern Michigan Society of Health-System Pharmacists Scholarship**

Amal Sobh

## **Frank O. Taylor Pharmacy Scholarships**

Michael Thweni  
Qinghui Zhou

## **David M. Thornton Memorial Scholarship**

Nehal M. Shah

## **Dr. Alexander Wallace III Endowed Clinical Laboratory Science Scholarship**

Amran Alsaedy

## **Wal-Mart Stores Pharmacy Scholarship**

Xiaoyan Zhen

{ excellence }

# graduates



{ laudible }

## May 2007

### Doctor of Pharmacy

Karina Abdallah  
 Hail S. Abdullah  
 Tatiana Martha Arzumanov  
 Lynne Marie Augustine  
 Mary Ramzi Azara  
 Valerie A. Azzopardi  
 Nicole Noelle Badaczewski  
 Mary Catherine Beatty  
 Michael C. Behnam  
 Ryan P. Browne  
 Kathryn Ann Connor  
 Jason Michael Deveau  
 Kinga Filas  
 Elizabeth Anne Garrod  
 Ankur Kumar Gupta  
 Daria Alexandra Horbal  
 Jeffrey Robert Hurren  
 Ali R. Ibrahim  
 Carlin Elizabeth Jamil  
 Megan Kathleen Johnson  
 Johnathan Jones  
 Megan Elizabeth Kleinow  
 Julie M. Kohout  
 Andrew John Koshorek  
 Lisa Hilary Larson  
 Amy Elizabeth Lonier  
 David Joseph Mann  
 Heidi Markovic  
 Angela Monique Martinez  
 Michelle Leigh Mastrangel  
 Brian Thomas Molenda  
 Rachael Kathleen Lu  
 Jason Alan Mulawa  
 Jeanine Rene Parete  
 Divyeshkumar Patel  
 Nicole R. Pinelli  
 Qianyao Qiu  
 Catherine M. Quinn  
 Hani Ramadan  
 Mayuri Rameshchandra Raman  
 David Alexander Rocheleau II  
 Ashley Devon Rottenberk  
 Iman Ali Saghir  
 Christine L. Schnitzer  
 Marco Robert Scipione  
 Rita S. Shammass

Mary Samir Shams  
 Stephanie Lynn Sharma  
 Kymberly Ann Sharpe  
 Mandeep Kaur Shergill  
 Richard Alan Smolarek  
 Michael Daniel Szatkowski  
 Loretta Mae Wilson

### Doctor of Philosophy in Pharmaceutical Sciences

Deepak Gupta

### Master of Physical Therapy

My Do

### Master of Science in Occupational and Environmental Health Sciences

Masood Ahmed  
 Theresa A. Carrier  
 Tiffany Edwina Culmer  
 Yi Huang

### Master of Science in Anesthesia

Janey C. Brian

### Master of Science in Physician Assistant Studies

Samantha Marie Addison  
 Jennifer Rita Blandino  
 Steven Micah Brindamour  
 Jennifer Joy Brown  
 Meghan Marie Bulger  
 Erin Jessica Burke  
 Gwen Susan Callahan  
 Kelly Marie Carlin  
 Christine Ann Collings  
 Julie Lynn Corfield  
 Bethany Rhea Danson  
 Jill Frances DeHayes  
 Jessica Lyn Funke  
 Jamie Nicole Futo  
 Andrea Marie Grajek  
 Ashley Patrice Graves  
 Stacie Christine Graves  
 Michelle Renae Green  
 Evan A. Haddad  
 Rebecca Dawn Hilss  
 Jeanine Nicole Hundrieser  
 Nicole Dawn Joseph



Jody Lynn Kermode  
 Keyona Nicole King  
 Katie Elizabeth Kozuch  
 Sonia Lynn Lousia  
 Sarah Ann Lynch  
 Colleen Marie Maynard  
 Kristie Ann McKay  
 Mary Jameson Norman  
 Brandy Renee Piechowski  
 Jennifer Marie Reiss  
 Catherine Irene Schenten  
 Tracie Lynn Selover  
 Megan Lindsay Simpkins  
 Kelli Ann Singletary  
 Evelyn Ruth Warner  
 Sarah Zukowski Wilhelm  
 Nathan Allen Wloch  
 Andrea Nicole Yurcak

**Bachelor of Health Science**

Maribeth Lynn Brucal  
 Lindsey Leigh Howard  
 Nadine Michael Kabbabe  
 Saad A. Mirza  
 Korissa L. Randolph  
 Haidar Khalil Tabatabai  
 Shawnta Marie Williams

**Bachelor of Science in Mortuary Science**

Steven Joseph Arthmire  
 Helon Rahman  
 Latasha Denise Steele

**Spring/Summer 2007**

**Doctor of Pharmacy**

Karina Abdallah  
 Dameshia L. Graham  
 Ian Andrew Ross

**Master of Science in Anesthesia**

Jill M. Donais  
 Laura M. Edison  
 Tonia Ann Rouser  
 Kimberly A. Slattery

**Bachelor of Science  
 in Clinical Laboratory Science**

Theresa Bahns  
 Fadi Samir Batres  
 Louise Sook-Hee Funke  
 Jona Lekura  
 Jennifer L. Lemar  
 Wansa N. Makki  
 Vincent M. Marincio  
 Francine Taku Meutcheho  
 Denise Cheryl Oden  
 Doina Elena Plesoianu  
 Usma E. Punjani  
 Tonya J. Ross  
 Kimberly Ruth Russell  
 Malak Saad  
 Christopher Michael Soave  
 Nicole Ann Sobolak  
 Marwan Mahmoud Sweid  
 Daniel S. Townsend  
 Timothy J. Villegas

**Bachelor Science in Mortuary Science**

Quanika Samone Cantrell  
 Jaquisha C. Hall

**Bachelor of Science in Radiation Therapy**

Ashley Lynn Chauvin  
 Lauren Michelle Csek  
 Bonnie J. DePalma  
 Matthew Richard Larlham  
 David P. Mascarin  
 Michelle N. Nedin  
 Karle Eston Roth III

Melissa Elise Sprague  
 Katherine Louise Stanford  
 Radoslaw Szwedowski

**December 2007**

**Doctor of Physical Therapy**

Dawn Allen  
 Jessica Balon  
 Michelle Cissell  
 Jacqueline DiPonio  
 Hesham Fittahy  
 Anthony Gray  
 Matthew Harris  
 Valeri Love  
 Michelle Pouliot  
 Sherena Samsair  
 Katie Sheridan  
 Andrea Sherman  
 Sonika Singh  
 Amy Smolinski  
 Lisa Spittal  
 Michael Tompos  
 Cherie Ulewicz  
 Lindsay Varga  
 Nicholas Wells  
 Michael Wiercigroch  
 Alejandro Zavala

**Master of Occupational Therapy**

Maribeth Lynn Brucal  
 Caitline Marie Carroll  
 Radia Denath  
 Angela Antonella Ferrelli  
 Natalie Rae Hutter  
 Nadine M. Kabbabe  
 Jasmin Genevieve Mason  
 Kristyn Danielle Melucci  
 Yaffa Shaindel Ross  
 Shira Bess Shepherd  
 Shawnta Marie Williams

# faculty awards and service

{ effectual }

## Office of the Dean

**Dean Beverly J. Schmoll** chairs Task Force on Emerging Issues Impacting Pharmacy Education for the American Association of Colleges of Pharmacy.

**Howard J. Normile**, associate dean and professor in Physician Assistant Studies, Department of Health Care Sciences, sits on the editorial board for the journal *Simulation in Healthcare*.

## Department of Fundamental and Applied Sciences

**Janet Brown**, program director, Clinical Laboratory Science, serves as president for the Michigan Clinical Laboratory Sciences Association.

## Department of Health Care Sciences

**Christine L. Carlson**, assistant professor-clinical, Physical Therapy, was re-elected to the Board of Directors as director #5, Michigan Physical Therapy Association.

**Gerry Conti**, assistant professor, Occupational Therapy, awarded a PhD in Kinesiology from the University of Michigan, Ann Arbor. She is a member of the Michigan Board of Occupational Therapists, and received Best Poster Presentation at the Del Harder Rehabilitation Research Day, Detroit, as a co-author (with AJ Kuvadia, a post professional in the Master of Science in Occupational Therapy) of "Difference in Whole Arm Reaction Time in Young Adults."

**Rosanne DiZazzo-Miller**, assistant professor – clinical, Occupational Therapy, awarded 2007 Excellence in Teaching for full-time faculty and served as co-chair of the Health Sciences Committee, President's Commission on the Status of Women, Wayne State University.

**Kim Dunleavy**, assistant professor – clinical, Physical Therapy, awarded a PhD in Instructional Technology from Wayne State University. She continues to sit on the Board of Directors for the Health Volunteers Overseas, Washington, D.C.

**Leonard Jensen**, part-time faculty, Occupational and Environmental Health Sciences, received the Michigan Industrial Hygiene Society "Golden Impinger" Award, which recognizes dedicated service and the advancement of industrial hygiene practice in Michigan.

**Edward Kerfoot**, program director, Occupational and Environmental Health Sciences, received the Michigan Industrial Hygiene Society "Golden Impinger" Award, which recognizes dedicated service and the advancement of industrial hygiene practice in Michigan.

**Gene Kortsha**, part-time faculty, Occupational and Environmental Health Sciences, received the Michigan Industrial Hygiene Society "Golden Impinger" Award, which recognizes dedicated service and the advancement of industrial hygiene practice in Michigan.

**Cathy Lysack**, associate professor, Gerontology and Occupational Therapy, appointed to Academy of Research of the American Occupational Therapy Foundation. She serves on the WSU Research Enhancement Program – Initiative for Research on Women, Social Sciences; and the Faculty Research Advisory Committee and the Efficiency and Processing Improvement Committee, WSU Office of the Vice-President of Research. Her editorial board service includes associate editor for the *Journal of Applied Gerontology*, and editorial board member for the *OTJR: Occupation, Participation and Health*, and the *American Journal of Occupational Therapy*.



**John G. McGinnity**, associate professor, Physician Assistant Studies, is president, Michigan Academy of Physician Assistants; chair of the Continuing Medical Education Committee, Michigan Academy of Physician Assistants; member, American Academy of Physician Assistants Conference Education and Planning Committee; chair, University Library Committee, Wayne State University (WSU); member, WSU Reaccreditation Steering Committee, North Central Association of Colleges and Schools; member on editorial board and CME coordinator, *Advance for Physician Assistants*, Merion Publications Inc., Prussia, PA; and trustee, Michigan Physician Assistant Foundation for Education and Research.

**Sarunus Mingela**, associate professor, Occupational and Environmental Health Sciences, earned “Fellow” status in the American Industrial Hygiene Association for significant contributions to the field of industrial hygiene.

**Regina N. Parnell**, fieldwork coordinator and senior lecturer, Occupational Therapy, earned a PhD in Sociology with a concentration in Medical Sociology from Wayne State University.

**Gerald Sattelmeyer**, part-time faculty, Occupational and Environmental Health Sciences, received the Michigan Industrial Hygiene Society “Golden Impinger” Award, which recognizes dedicated service and the advancement of industrial hygiene practice in Michigan.

**Nancy Vandewiele Milligan**, academic fieldwork coordinator and assistant professor, Occupational Therapy, served as communication director and network coordinator, Michigan Occupational Therapy Association; appointed to the Commission on Disability Issues, City of Ann Arbor, MI; and was guest editor for the *OT Practice* magazine.

**Roger Wabeke**, part-time professor, Occupational and Environmental Health Sciences, earned “Fellow” status in the American Industrial Hygiene Association for significant contributions to the field of industrial hygiene.

**Peter O. Warner**, professor, Occupational and Environmental Health Sciences, awarded 2007 Excellence in Teaching for part-time faculty.

**William Watt**, associate professor, Occupational and Environmental Health Sciences, is a member of the E-34 Committee, Health and Safety, ASTM International (formerly the American Society for Testing and Materials) and serves on the Advisory Boards for the Industrial Hygiene Department, Purdue University, and the Center for Organizational Risk Reduction, Eastern Michigan University.

## Department of Pharmaceutical Sciences

**Aloke K. Dutta**, professor, serves as a review member on the Medication Development Research Subcommittee of the National Institutes of Health/National Institute on Drug Abuse, and for the Research Corporation, a foundation for advancement of science.

**Deepak Bhalla**, professor, serves as president for the Inhalation Specialty Section, Society of Toxicology; on the editorial boards for the *Journal of Toxicology and Environmental Health*, and *Inhalation Toxicology*; and on the Toxicology Subcommittee, National Research Council.

**George B. Corcoran**, chair and professor, appointed or elected positions include Fellow, Academy of Toxicological Sciences; president, Society of Toxicology (SOT); chair, SOT Board of Directors and SOT Program Committee; member, SOT Board of Publications and Finance Committees; member, National Academy of Sciences Ford Fellowship

Committee, Scientific Advisory Board of the U.S. Environmental Protection Agency (EPA), EPA Tetrahydrofuran Risk Assessment Panel, executive board of the Council on Scientific Societies Presidents; councilor for the International Union of Toxicology (IUTOX) and member IUTOX Developing Countries Committee; associate editor, *Toxicology and Pharmacology* and member on editorial boards for *Basic and Clinical Pharmacology* and *Pharmacology and Toxicology*; external reviewer for the University of Oklahoma Health Sciences Center Pharmacy Program; symposium chair, Obesity as a Risk Factor for Chemical and Drug Toxicity, Annual Meeting of the American Association of Science. He also is a visiting professor at the Addis Ababa School of Medicine, Ethiopia.

**Merlin Ekstrom**, adjunct associate professor, sits on the Public Health Committee, Michigan Veterinary Medical Association, and the Advisory Committee, Region 2 South Medical Bio Defense Network, Wayne Washtenaw and Monroe Counties, State of Michigan; and the Implementation Subcommittee, Pandemic Preparedness Task Force, Wayne State University. He also is a volunteer trainer for the Center for Food Security and Public Health, Iowa State University, Ames.

**Anjan Kowluru**, professor, served on the Scientific Committee and chaired scientific session on “Metabolism, Ionic Fluxes and Insulin Secretion” at the First International Symposium “Pancreatic Islet Research from Fundamental to Clinical Aspects: Metabolism, Ionic Fluxes, Imaging and Transplantation” at the Free University of Brussels, Belgium,



July 2007; and the Non-Clinician Eligibility Review Committee, Department of Veterans Affairs (VA), Washington, DC. He was a visiting professor and invited speaker in the 7th International Congress of the NDP inase/NM23/awd Family, University of Dundee, UK, September 2007. Kowluru received 15-year service award from the Department of VA and an exceptional performance rating from the John D. Dingell VA Medical Center, Detroit. He sits on the editorial boards of the *American Journal of Physiology - Endocrinology and Metabolism*, *Recent Patents on Endocrine, Metabolic & Immune Drug Discovery*, *The Open Enzyme Inhibition Journal*, *The Open Nitric Oxide Journal*; and *Biochemical Pharmacology*. Kowluru is a member on the Junior Faculty Achievement Award Committee – Wayne State University (WSU) Academy of Scholars; Faculty Search Committee, Division of Endocrinology and Metabolism, WSU School of Medicine; Scientist Promotion Review Panel, John D Dingell VA Medical Center; and grant reviewer for the National Science Foundation for Endocrinology, a subcommittee-Department of Veterans Affairs (spring and fall meetings), and for the Cellular Aspects of Diabetes and Obesity, National Institutes of Health/National Institute of Diabetes and Digestive and Kidney Diseases. Kowluru was a judge for the Fourth Annual Undergraduate Research Conference, WSU Academy of Scholars.

**David Oupicky**, associate professor, serves on the New Investigators Program Faculty Review Committee, American Association of Colleges. He is an ad hoc member of the Gene and Drug Delivery Technologies study

section, National Institutes of Health; sits on the Technologies for Cellular Analyses review panel, National Science Foundation; Chemical and Molecular Conjugates Abstract Review Group, American Society of Gene Therapy; Nonviral Gene Delivery Abstract Review Panel, Controlled Release Society; grant reviewer for the Innovational Research Incentives Scheme Grants, Netherlands, and the American Chemical Society Petroleum Research Fund. He also is theme editor for *Advanced Drug Delivery Reviews* and guest editor for *Pharmaceutical Research*.

**Patrick M. Woster**, professor, served as vice-chair for the 2007 Gordon Research Conference on Polyamines, Waterville Valley, NH; and elected chair for the 2009 Gordon Research Conferences on Polyamines, and secretary and public relations chair, American Chemical Society Division of Medicinal Chemistry 2007-10. He also serves on the editorial advisory board for the Burger's Medicinal Chemistry 7th Edition; and consultant to Cellgate, Inc., Redwood City, CA, October 2007.

### Department of Pharmacy Practice

**Mary Beth O'Connell**, associate professor, was runner-up for the Innovations in Teaching Award, American Association of Colleges of Pharmacy, for the Patients' Perspectives of Health, Illness and Culture course. She sits on the Scientific Planning Committee and the International Congress on Clinical Pharmacy Meeting (2009), American College of Clinical Pharmacy, and the Practice Management Advisory Group for the American Geriatrics Society; and on the editorial boards for

*Pharmacotherapy* and the *Journal of the American Geriatric Society*.

**Jesse C. Vivian**, professor, is a co-recipient of the 2007 Research Award from the American Society for Pharmacy Law.

### Office of Student and Alumni Affairs

**Mary K. Clark**, assistant dean, sits on the Community Day – Northwestern (Detroit) Success Project Board, an initiative of the Rainbow Push Coalition and the International Union, United Auto Workers.

**Jennifer Moore**, academic services officer, was elected membership chair for the Commission for Graduate and Professional School Educators, American College Personnel Association.

**Amanda Snyder**, academic services officer, was awarded the 2006-07 Outstanding Contributor Award by the Academic Staff Professional Development Committee, Wayne State University (WSU). She also was appointed a commissioner on the WSU President's Commission on the Status of Women.



# faculty periodicals

## Book Chapters

**Corcoran GB.** "Obesity as an Occult Risk Factor in Drug- and Chemical-Induced Toxicities." In: *Phytopharmaceuticals for Obesity Treatment: Pathophysiology and Weight Management*. Bagchi D, Preuss H, eds.; CRC Press, Boca Ratan, FL; pp. 165-173.

Kharkar P, Reith MEA, **Dutta AK.** "Piperidine-based dopamine transporter uptake inhibitors." In: *Dopamine Transporters: Chemistry, Biology and Pharmacology*. Trudell M, Izenwasser S, eds; Wiley Publisher, 2007.

**Oupicky D,** You Y, Manickam DS. "Redox-responsive polymer-based gene delivery systems." In: *Gene and Cell Therapy: Therapeutic Mechanisms and Strategies*. 3rd Edition, Templeton NS, ed; Taylor and Francis, Boca Raton (2007)

**Woster PM.** "Antiviral Agents." In: *Foye's Principles of Medicinal Chemistry* 6th Edition, Lemke T, Williams D, eds; Lippincott Williams & Wilkins, Baltimore, MD, 2007.

## Publications

**Berlie HD,** Kalus JS, **Jaber LA.** "Thiazolidinediones and the risk of edema: A meta-analysis." *Diabetes Research and Clinical Practice* (2007); 76:279-289.

**Berlie HD,** Herman WH, Brown MB, Hammad A, **Jaber LA.** "Quality of diabetes care in Arab Americans." *Diabetes Research and Clinical Practice* (2007).

**Berlie HD,** Hammad A, **Jaber LA.** "Health issues in the Arab American community. The use of glucose-lowering agents and aspirin among Arab Americans with diabetes." *Ethn Dis* (2007); 17:S3-42-S3-5.

Pieper B, Templin TN, **Birk TJ,** Kirsner RS. "Effects of Injection-Drug Injury on Ankle Mobility and Chronic Venous Disorders." *Journal of Nursing Scholarship* (2007); 39:312-318.

Pieper B, Kirsner RS, Templin TN, **Birk TJ.** "Injection Drug Use: An Understudied Cause of Venous Disease." *Archives of Dermatology* (2007);143: 1305-1309.

Pieper B, Kirsner RS, Templin TN, **Birk TJ.** "Chronic Venous Disease and Injection Drug Use." *Archives of Internal Medicine* (2007);167:1807-1808.

**Davis SL,** McKinnon PS, Hall LM, Delgado Jr. G, Rose W, Wilson RE, **Rybak MJ.** "Daptomycin versus Vancomycin for Complicated Skin and Skin Structure Infections: Clinical and Economic Outcomes." *Pharmacotherapy* (December 2007); 27(12):1611-1618.

**Davis SL,** Vazquez JA, McKinnon PS. "Epidemiology, risk factors, and outcomes of *Candida albicans* versus non-*albicans* candidemia in nonneutropenic patients." *Annals of Pharmacotherapy* (2007); 41:568-573.

**Davis SL,** Perri MB, Donabedian SM, et al. "Epidemiology and outcomes of community-associated methicillin-resistant *Staphylococcus aureus* infection." *Journal of Clinical Microbiology* (2007); 45:1705-1711.

Haque NZ, **Davis SL,** Manierski CL, et al. "Infective endocarditis caused by USA300 methicillin-resistant *Staphylococcus aureus* (MRSA)." *International Journal of Antimicrobial Agents* (2007); 30:72-77.

**DiZazzo-Miller R.** Book Review: "Breaking Bread, Nourishing Connections for People with and without Disabilities Together at Mealtime." *Activities, Adaptation & Aging* (2007); 31 (3).

**Dunleavy K.** "Physical Therapy Education and Provision in Cambodia: A framework for choice of systems for development projects." *Disability and Rehabilitation* (2007); 29 (11 & 12): 903-920.

**Garwood CL,** Potts LA. "Smoking cessation: Drug therapies on the horizon." *American Journal of Health-System Pharmacy* (2007); 64:1693-1698.

Potts LA, **Garwood CL.** "Varenicline: The newest agent for tobacco cessation." *American Journal of Health-System Pharmacy* (2007); 64(13):1381-1384.

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Chang F, **Jaber LA**, **Berlie HD**, **O'Connell MB**. "Evolution of peroxisome proliferator-activated receptor agonists." *Annals of Pharmacotherapy* (2007); 41:973-983.

Darwish-Yassine M, **Jaber L**. "Health issues in the Arab American community. Lifestyle and health outcomes. Overview." *Ethn Dis* (2007); 17:S3-26-S3-7.

**Kale-Pradhan PB**, **Wilhelm SM**. "Tegaserod for constipation-predominant irritable bowel syndrome." *Pharmacotherapy* (2007); 27:267-277.

Jangati GR, Veluthakal R, Susick L, Gruber SA, **Kowluru A**. "Depletion of the catalytic subunit of protein phosphatase-2A [PP2Ac] markedly attenuates glucose-stimulated insulin secretion in pancreatic  $\beta$ -cells." *Endocrine* (2007); 31:248-253.

Kowluru R, **Kowluru A**, Kanwar M. "Role of small molecular weight G-protein Ras in retinal capillary cell death in diabetes." *Molecular Cellular Biochemistry* (2007); 296:69-76.

McDonald P, Veluthakal R, Kaur H, **Kowluru A**. "Biologically-active lipids promote membrane association of Rac1 in insulin-secreting INS 832/13  $\beta$  cells." *American Journal of Physiology - Cell Physiology* (2007); 292:C1216-1220.

Veluthakal R, Kaur H, Goalstone M, **Kowluru A**. "Dominant negative  $\alpha$ -subunit of farnesyl- and geranyl-transferase inhibits glucose-stimulated insulin secretion from insulin-secreting INS-cells." *Diabetes* (2007); 56: 204-210.

**Lehr VT**, Zeskind PS, Ofenstein JP, Cepeda E, Warriar I, Aranda JV. "Neonatal facial coding system scores and spectral characteristics of infant crying during newborn circumcision." *Clinical Journal of Pain* (2007); 23:417-424.

**Lehr VT**, Taddio A. "Topical anesthesia in neonates: Clinical practices and practical considerations." *Seminars in Perinatology* (2007); 31:323-329.

**Lysack C**, Komanecky M, Kabel A, Neufeld S. "Environmental factors and their role in community integration after spinal cord injury." *Canadian Journal of Occupational Therapy* (2007); 74:243-254.

Kloner RA, Alexander LM, **McGinnity JG**. "Partnering with your patient in hypertension control: Evidence-based strategies for the contemporary physician assistant." Supplement to *Journal of the American Academy of Physician Assistants*, November 2007.

**Munzenberger P**, Thomas R, Bahrainwalla A. "Retention by children of device technique for inhaled asthma drugs between visits." *Journal of Asthma* (2007); 44 (9):769-773.

**Muzenberger P**, Montejo J. "Safety of topical calcineurin inhibitors for the treatment of atopic dermatitis." *Pharmacotherapy* (2007); 27 (7): 1020-1028.

**Muzenberger P**, Hill M. "Impact of an asthma-specific questionnaire on problem identification and clinical and economic outcomes in ambulatory patients with persistent asthma." *Journal of the American Pharmacists Association* (2007); 47:147-155.

**O'Connell MB**, Korner EJ, Rickles NM, Sias JJ. "Cultural competence in health care and its implications for pharmacy. Part 1. Overview of key concepts in multicultural health care." *Pharmacotherapy* (2007); 27:1062-1079.

Dong M, Howard KA, **Oupicky D**, Bisht H, Kjems J, Besenbacher F. "Visualization of thermal activated nanocarriers using in situ atomic force microscopy." *Nanotechnology* (2007); 18(18): 185501 (5pp).

Howard KA, Dong M, **Oupicky D**, Bisht HS, Buss C, Besenbacher F, Kjems J. "Nanocarrier Stimuli-Activated Drug Delivery." *Small* (2007); 3(1): 54-57.

Wan L, Bist HS, You Y, **Oupicky D**, Mao G. "Temperature-Reversible Ultrathin Films of N-Isopropylacrylamide Terpolymer Absorbed at the Solid-Liquid Interface." *Langmuir* (2007); 23(24):12159-12166.

You Y, **Oupicky D**. "Synthesis of temperature-responsive heterobifunctional block copolymers of PEG and PNIPAM." *Biomacromolecules* (2007); 8(1): 98-105.

You Y, Manickam DS, Zhou Q, **Oupicky D**. "Reducible poly(2-dimethyl aminoethyl methacrylate): Synthesis, cytotoxicity, and gene delivery activity." *Journal of Controlled Release* (2007); 122(3): 217-225.

You Y, Manickam DS, Zhou Q, **Oupicky D**. "A Versatile Approach to Reducible Vinyl Polymers via Oxidation of Telechelic Polymers Prepared by RAFT Polymerization." *Biomacromolecules* (2007);8(6): 2038-2044.

You Y, Manickam DS, Zhou Q, **Oupicky D**. "Dually responsive multiblock copolymers via RAFT polymerization: Synthesis of temperature- and redox-responsive copolymers of PNIPAM and PDMAEMA." *Macromolecules* (2007); 40(24): 8617-8624.

Fernandez R, **Parker D**, Kalus JS, **Miller D**, Compton S. "Using a human patient simulation mannequin to teach interdisciplinary team skills to pharmacy students." *American Journal of Pharmaceutical Education* (2007); 71:51.

Imperial-Aubin D, Coplin WM, **Parker D**. "Blood Pressure Management in Acute Neurologic Emergencies: A Multidisciplinary Approach." *American Association of Neuroscience Nurses Newsletter*, October 2007.

Chin JN, **Rybak MJ**, Cheung CM, Savage PB. "Antimicrobial Activity of Ceragenins against Clinical Isolates of Resistant *Staphylococcus aureus*." *Antimicrobial Agents and Chemotherapy* (2007);51:1268-1273.

Chin JN, Jones RJ, Helio SS, Savage PB, **Rybak MJ**. "Potential synergy activity of the novel ceragenin, CSA-13, against clinical isolates of *Pseudomonas aeruginosa*, including multidrug-resistant *P. aeruginosa*." *Journal of Antimicrobiology Chemotherapy* (December 2007).

LaPlante KL, **Rybak MJ**, **Amjad M**, Kaatz GW. "Clindamycin Resistance and SCCmec Type in Community- and Hospital-Associated Methicillin Resistant *Staphylococcus aureus* Clindamycin Resistance and *Staphylococcus aureus*." *Pharmacotherapy* 2007.

LaPlante KL, **Rybak MJ**, Amjad M, Kaatz GW. "Antimicrobial Susceptibility and Staphylococcal Chromosomal Cassette mecType in Community-and Hospital-Associated Methicillin-Resistant *Staphylococcus aureus*." *Pharmacotherapy* (January 2007);27(1):3-10.

LaPlante KL, **Rybak MJ**, Tsuji B, Lodise TP, Kaatz GW. "Fluoroquinolone Resistance in *Streptococcus pneumoniae*: Area Under the Concentration-time Curve/MIC Ratio and Resistance Development with Gatifloxacin, Gemifloxacin, Levofloxacin, and Moxifloxacin." *Antimicrobial Agents and Chemotherapy* (April 2007); 51(4):1315-1320.

Lodise T, McKinnon P, Levine D, **Rybak MJ**. "Impact of Empirical Therapy Selection on Outcomes of Intravenous Drug Users with Methicillin Susceptible *Staphylococcus Infective Endocarditis*." *Antimicrobial Agents and Chemotherapy* (October 2007); 51(10):3731-3733.

Maki DG, Ebert SC, **Rybak MJ**. Antimicrobial Stewardship: Case study and panel discussion. *Pharmacotherapy* (October 2007); 27:136S-143S.

Rose W, **Rybak MJ**, Tsuji BT, Kaatz GW, Sakoulas G. "Correlation of Vancomycin and Daptomycin Susceptibility in *Staphylococcus aureus* in reference to Accessory Gene Regulator (agr) Polymorphism and Function." *Journal of Antimicrobial Chemotherapy* (2007); 60(2):334-340.

Rose W, **Rybak MJ**, Kaatz GW. "Evaluation of daptomycin treatment of *Staphylococcus aureus* bacterial endocarditis: an *in vitro* and *in vivo* simulation using historical and current dosing strategies." *Journal of Antimicrobial Chemotherapy* (August 2007); 60(2):334-340.

**Rybak MJ**. "Antimicrobial Stewardship." *Pharmacotherapy* (October 2007); 27:131S-135S.

Sakoulas G, Rose W, **Rybak MJ**, Pillai S, Alder J, Moellering Jr. RC, Eliopoulos GM. "Evaluation of Methicillin-Susceptible *Staphylococcus aureus* Endocarditis Developing Nonsusceptibility to Daptomycin." *Journal of Clinical Microbiology* (November 2007).

Tsuji BT, **Rybak MJ**, Sakoulas G, Lau KL. "Evaluation of Accessory Gene Regulator (agr) Group and Function in the Proclivity Towards Vancomycin Intermediate Resistance in *Staphylococcus aureus*." *Antimicrobial Agents and Chemotherapy* (March 2007); 51(3):1089-1091.

Tsuji BT, **Rybak MJ**, Cheung CM, Amjad M, Kaatz GW. "Community-and health care-associated methicillin resistant *Staphylococcus aureus*: a comparison of molecular epidemiology and antimicrobial activities of various agents." *Diagnostic Microbiology Infectious Disease* (2007); 58:41-47.

**Separovic D**, Hanada K, Maitah MYA, Nagy B, Hang I, Tainsky MA, Kraniak JM, Bielawski J. "Sphingomyelin synthase 1 suppresses ceramide production and apoptosis post-photodamage." *Biochemical and Biophysical Research Communications* (2007); 358:196-202.

**Slaughter RL**, Talley SA. "Using Questionnaires in a College of Pharmacy and Health Sciences," *Assessment Update*, January-February 2007; 19 (1):3-5.

Dager WE, Dougherty JA, Nguyen PH, Militello MA, **Smythe MA**. "Heparin-induced thrombocytopenia: Treatment options and special considerations." *Pharmacotherapy* (2007); 27:564-587.

**Smythe MA**, Koerber JM, Mattson JC. "The incidence of recognized heparin-induced thrombocytopenia in a large, tertiary care teaching hospital." *Chest* (2007); 131:1644-1649.

**Smythe MA**. "Advances in anticoagulation management: the role of pharmacy." *Annals of Pharmacotherapy* (2007);41:493-495.

**Vivian JC**. Legal Considerations monthly column in *US Pharmacist*: "In Part Delicto," 32:01, Jan. 23, 2007; "The Rule of Lenity," 32:2, Feb. 20, 2007; "Testamentary Capacity," 32:3, March 21, 2007; "On, My Aching Back!" 32:4, April 17, 2007; "Restrictions on Pharmacy Locations," 32:5, May 18, 2007; "Mining Ban Unconstitutional," 32:6, June 19, 2007; "Obstruction of Process, Trespass, and Disorderly Conduct," 32:7, July 13, 2007; "At the Crossroads Between Law and Ethics: Conscience Clauses," 32:8, Aug. 20, 2007;

"Failed Duty: Cause of Damages?" 32:9, Sept. 19, 2007; "David Victorious Over Goliath," 32:10, Oct. 18, 2007; "DES Returns to the Courtroom," 32:11, Nov. 19, 2007; "Health Care Fraud Recoveries: Point the Finger Elsewhere," 32:12, Dec. 20, 2007.

Tindall WN, Boltri JM, **Wilhelm SM**. "Mild-to-moderate ulcerative colitis: Your role in patient compliance and health care costs." *Journal of Managed Care Pharmacy* (2007); 13:S2-12; quiz S3-4.

**Wilhelm SM**, Dehoorne-Smith ML, **Kale-Pradhan PB**. "Prevention of postoperative nausea and vomiting." *Annals of Pharmacotherapy* (2007); 41:68-78.

Boncher T, Bi X, Varghese S, Casero Jr. RA, **Woster PM**. "Polyamine-based analogues as biochemical probes and potential therapeutics." *Biochemical Society Transactions* (2007); 35 (Part 2): 356-363.

Huang Y, Greene E, Murray-Stewart T, Goodwin AC, Baylin SB, **Woster PM**, Casero Jr. RA. "Inhibition of the lysine specific demethylase, LSD1, by novel polyamine analogues results in re-expression of aberrantly silenced genes." *Proceedings of the National Academy of Sciences USA* (2007); 104:8023-8028.

Rider JE, Hacker A, Mackintosh CA, Pegg AE, **Woster PM**, Casero Jr. RA. "Spermine and spermidine mediate protection against oxidative damage caused by hydrogen peroxide." *Amino Acids* (2007); 33: 231-240.

Wang X, Feith DJ, Welsh P, Coleman CS, Lopez C, **Woster PM**, O'Brien TG, Pegg AE. "Studies of the mechanism by which increased spermidine/spermine *N*<sup>1</sup>-acetyltransferase activity increases susceptibility to skin carcinogenesis." *Carcinogenesis* (2007); 28:2404-2411.

# faculty

## presentations and abstracts

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**Carlson CL, Amundsen LR**, Fort H, Bronner N, Recine A. "Reliability of a Power Stepping Test for Children Age Seven to Eight Years." Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007.

Bharadwaj B, Erlandson R, **Conti G**, Ying H. "Development of a Fuzzy Likert Scale for the WHO ICF to Include Categorical Definitions on the Basis of a Continuum." 13th Annual North American Collaborating Conference on International Classification of Functioning, Disability and Health (ICF), Niagara Falls, NY; June 5-7, 2007.

Claiborne D, **Conti GE**. "Therapy Functional Outcomes Post Carpal Tunnel Release Surgery." Poster #173, American Society of Hand Therapists, Phoenix; Oct 5, 2007.

**Conti GE**. "Laboratory Ergonomics for Microbiologists." South Central Association for Clinical Microbiology (5 state area), Brighton, MI; Oct. 23, 2007.

**Corcoran GB**. "Obesity as a modifier of chemical toxicity: Historic perspective." Annual Meeting of the American Association for the Advancement of Science, San Francisco; Feb. 15-19, 2007.

**Corcoran GB**. "Therapeutic Misadventures with Tylenol." Rutgers University; March 2007.

**Corcoran GB**. "Obesity as an Occult Risk Factor for Adverse Drug Reactions." University of Maryland; May 2007.

**Corcoran GB**, Wong BK, Salazar DE, Raucy JL, Kraner JC, Lasker JM, Liebler CS, Jusko WJ, Shum L, Masumoto RM, Schentag JJ, Galinsky RE, Ramzan I, Jordan SW, Sorge C, Chan H, U E. "Obesity as an Occult Risk Factor for Drug and Chemical Toxicities." 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; September 2007.

**Corcoran GB**. "Obesity as an Occult Risk Factor for Drug and Chemical Toxicity." 44th Annual Congress of the European Societies of Toxicology, Amsterdam, Netherlands; Oct. 7-10, 2007.

Bhan R, Rose W, Martinez J, **Davis SL, Rybak MJ**. "The Impact of Biofilm Production on Outcomes of Patients with Complicated MRSA Bacteremia." Infectious Diseases Society of America, San Diego; October 2007. Abstract #258.

**DiZazzo-Miller R, Lysack C**, Barnas-Haratsaris J. "Effects of Caregiver Training Program on Caregivers for Person's with Alzheimer's and Associated Diseases." Annual State Conference, Michigan Occupational Therapy Association, Warren; October 2007. • National Conference, Gerontological Society of America, San Francisco; November 2007.

**Dunleavy K**. "Teaching Skills for Global Volunteers." 65th Annual Meeting, American Academy of Dermatology, Washington, DC; February 2007.

**Dunleavy K**. "Factors Influencing Choice of Physical Therapy Provision Model in Vietnam and Cambodia." World Conference for Physical Therapy, Vancouver, BC; June 2007.

**Dutta AK**. "Small molecules as potential therapeutic agents for treatment of addiction, neurodegenerative disease and depression." College of Pharmacy, University of Arizona; Feb. 15, 2007.

**Dutta AK**. "Monoamine Transporters as Targets for Drug Development." Department of Pharmacology, University of Toledo; March 13, 2007.

Ghosh B, Zhen J, Reith MEA, **Dutta AK**. "Further Structure Activity Relationship (SAR) study of novel hybrid 7-[2-(4-Phenyl-piperazin-1-yl)-ethyl]-propyl-amino}-5,6,7,8-tetrahydro-naphthalen-2-ol analogues focusing on modification of the *N*-aromatic moiety: Development of a highly potent and selective lead molecule for the D3 dopamine receptor." American Chemical Society meeting, Chicago; March 2007.

Biswas S, Zhang S, Fernandez F, Zhen J, Reith MEA, **Dutta AK**. "Design, structure activity relationships and biological evaluation of novel D3 receptor preferring agonists: a potential neuroprotective treatment for Parkinson's disease." American Chemical Society meeting, Chicago; March 2007.



Kharkar PS, Reith MEA, **Dutta AK**. "Exploring the structural requirements for potency and selectivity exhibited by novel asymmetric tetrahydropyran inhibitors of SERT and NET using 3D QSAR CoMFA Method." American Chemical Society meeting, Chicago; March 2007.

Mishra M, Kolhatkar R, Zhen J, Reith MEA, **Dutta AK**. "Structure Activity Relationship Study of *cis*-(6-Benzhydryl-piperidin-3-yl)-benzyl-amine and its constrained counterpart 1,4-diazabicyclo[3.3.1]nonane derivatives: Study on influence of exocyclic hydroxyl function on affinity for monoamine transporters." American Chemical Society, Chicago; March 2007.

**Dutta AK**. "Asymmetric pyran derivatives as a novel molecular template for the development of newer generation antidepressant agents with broad-spectrum activity." Strategic Research Institute, Boston; June 25-26, 2007.

Biswas S, Zhen J, Ghosh B, Reith MEA, **Dutta AK**. "Identification of optically active lead molecules developed based on hybrid 7-{{[4-(4-Phenyl-piperazin-1-yl)-butyl]-propyl-amino}}-5,6,7,8-tetrahydro-naphthalen-2-ol molecular template exhibiting low nanomolar affinity for D3 receptor: Lead molecule exhibiting long duration of rotational activity in the Parkinson's Disease animal model experiment." Annual Meeting of Society of Neuroscience, San Diego; November 2007.

Biswas S, Ghosh B, Reith MEA, **Dutta AK**. "Novel triple dopamine, serotonin and norepinephrine transporters blockers as potent antidepressant: Characterization of a lead molecule in *in vitro* and *in vivo* pharmacological assays." Annual Meeting of Society of Neuroscience, San Diego; November 2007.

Zhen J, Parrington IA, Schmitt KC, Onoprishvili I, Carr KD, Kuzhikandathil E, **Dutta AK**, Reith MEA. "Measurement of functional activity of dopamine D3 receptors." Annual Meeting of Society of Neuroscience, San Diego; November 2007.

Schmitt KC, Zhen J, Chen N, **Dutta AK**, Cheng S-Y, Reith MEA. "Interaction of benztrorpine-, cocaine-, and GBR 12909-like compounds with wildtype and W84L dopamine transporter." Annual Meeting of Society of Neuroscience, San Diego; November 2007.

Ekstrom I, **Ekstrom M**. "Learning Objects: A Tool for Effective, Active Learning." Lilly Conference on College and University Teaching, Traverse City, MI; Oct. 4, 2007.

**Ekstrom M**. Pandemic Planning Presenter-Academic Affairs and Research Panel. "Considerations for Research Programs." Pandemic Planning Webinar for Michigan Colleges and Universities, Michigan Department of Community Health, Nov. 30, 2007.

**Firestine SM**. "Recent studies on the development of novel antiviral and antimicrobial agents." Department of Biochemistry and Molecular Biology, School of Medicine, Wayne State University, Detroit; February 2007.

Paritala H, **Firestine SM**. "G-quadruplex binding agents: 2-Carboxy-4-hydroxybenzo-(h)-quinoline derivatives." National Meeting, American Chemical Society; March 2007.

Mamidyala SK, Baltz J, Coen D, **Firestine SM**. "Design and synthesis of d-sugar amino acids as inhibitors of protein-protein interactions." National Meeting, American Chemical Society, Chicago; March 2007.

McDonnell JE, **Firestine SM**. "Creation of a high-throughput assay for N5-CAIR synthetase." 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; September 2007.

Leonard SN, **Firestine SM**, Cheung CM, Kaatz GW, **Rybak MJ**. "Novel DNA Minor Groove Binding (MGB) Agents Active against *Staphylococcus aureus*." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #3136

**Garwood CL**. "The Assessment and Approach to Treatment of Geriatric Depression." Continuing education seminar, Midyear Clinical Meeting, American Society of Hospital Pharmacists. (ACPE #204-000-07-237-L01P) Las Vegas; Dec. 4, 2007.

Beydoun D, Molesa C, **Garwood CL**. "Development of an Assessment Tool to Identify Patients with Low and/or Erratic Vitamin K Intake While on Warfarin Therapy." Midyear Clinical Meeting, American Society of Hospital Pharmacists, Las Vegas; December 2007.

**Garwood CL**, Dumo P, Baringhaus S, Laban K. "Quality of anticoagulation care in stable patients discharged from a pharmacist-managed anticoagulation clinic." *Pharmacotherapy* 2007; 27(4):e15.

Baringhaus S, Laban K, **Garwood CL**, Dumo P. "Patient satisfaction at a pharmacist-managed anticoagulation clinic compared with physician-managed anticoagulation care." *Pharmacotherapy* 2007; 27(4):e35.

**Ge SL**. "Embalming: Injection & Drainage Methods." 3rd Annual Meeting and Conference, American Society of Embalmers and Michigan Embalmers Society, Detroit; Oct. 27, 2007.

**Goldberg A**, Schepens S, Wallace M. "Maximum step length test is a valid and reliable measure of balance and mobility capabilities in older adults." Annual Scientific Meeting, American Physical Therapy Association, Denver; June 27-30, 2007.

Schepens S, **Goldberg A**, Wallace M. "Is the short version of the Activities-specific Balance Confidence scale a valid measure of balance confidence, and is it related to balance impairment and falls in older adults?" *Journal of Geriatric Physical Therapy* 2007; 30:150. ● *Journal of American Geriatrics Society* 2007; Vol. 55 Issue s1: S142. ● Annual Meeting, American Geriatrics Society, Seattle; May 2-6, 2007. ● 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; Sept. 12, 2007. ● Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct 13, 2007. ● Annual Research Poster Session, Institute of Gerontology, Wayne State University; Oct. 25, 2007.

**Goldberg A**, Schepens S, Wallace M. "Novel measures of balance and balance confidence: Relationships to fear of falling in community-dwelling older adults." *Journal of Geriatric Physical Therapy* 2007; 30:149-150. ● *Journal of American Geriatrics Society* 2007; Vol. 55 Issue s1: S 88. ● Annual Meeting American Geriatrics Society, Seattle; May 2-6, 2007. ● 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; Sept. 12, 2007. ● Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007.

**Goldberg A**, Allen D, Cissell M, Schepens S, **Talley S**. "The effect of fatiguing hip-flexor musculature on stepping reaction and movement time." *Journal of Neurological Physical Therapy* 2007; 31:196.

**Goldberg A**, Schepens S. "Falls and balance confidence in older adults: the role of trunk position sense." *The Gerontologist* 2007; Vol. 47 Special Issue I: 353. ● Annual Meeting, Gerontological Society of America, San Francisco; Nov. 18, 2007.

Allen D, Cissell M, Schepens S, **Goldberg A**, **Talley S**. "The effect of fatiguing hip-flexor musculature on stepping reaction and movement time." 13th Annual Del Harder Rehabilitation Research Day, Detroit; May 4, 2007. ● 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; Sept. 12, 2007. ● Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007.

Schepens S, **Goldberg A**. "Balance confidence and assistive device use in older adults who fall." *The Gerontologist* 2007; Vol. 47 Special Issue I: 352. ● Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007. ● 13th Annual Del Harder Rehabilitation Research Day, Detroit; May 4, 2007. ● Annual Research

Poster Session, Institute of Gerontology, Wayne State University, Detroit; Oct. 25, 2007. ● Annual Meeting, Gerontological Society of America, San Francisco; Nov. 18, 2007.

**Goldberg A**, Schepens S, Wallace M. "Trunk position sense is associated with falls and balance confidence in community-dwelling older adults." 13th Annual Del Harder Rehabilitation Research Day, Detroit; May 4, 2007. ● 15th International World Conference for Physical Therapy Congress, Vancouver, BC; June 2-6, 2007. ● Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007.

**Goldberg A**. "Advances in Genomics: How should it impact physical therapy practice, education and research." Symposium: Advances in Genomics. Participants: Stuart A Binder-Macleod, moderator (USA); Goldberg A (USA); Helder PJ (Netherlands), Khan K (Canada), Greenfield B (USA). 15th International World Confederation for Physical Therapy Congress, Vancouver, BC; June 2-6, 2007.

Samsair S, Zavala A, Schepens S, **Goldberg A**, **Talley S**. "A comparison of the effect of ankle plantar flexor versus lumbar extensor muscle fatigue on postural sway." 13th Annual Del Harder Rehabilitation Research Day, Detroit, May 4, 2007. ● 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; Sept. 12, 2007. ● Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007.

DiPonio J, Ulewicz C, Schepens S, **Goldberg A**, **Talley S**. "The effect of stretching hip-flexor musculature on stepping reaction and movement time." 13th Annual Del Harder Rehabilitation Research Day, Detroit; May 4, 2007. ● 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; Sept. 12, 2007. ● Fall Conference, Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007.

Amunugama H, Hirata A, **Hirata F**, Casero Jr. RA, Angeles-Boza AM, Dunbar KR, Delcros JG, **Woster PM**. "Polyamine/transition metal complexes as potential antitumor agents." 233rd National Meeting of the American Chemical Society, Chicago; March 25-29, 2007.

Manickam DS, Hirata A, Putt D, Sarkar F, Lash L, **Hirata F**, **Oupicky D**. "Targeted delivery of therapeutic nucleic acids to breast and pancreatic cancer tumors using multifunctional nanoparticles with activity modulated by redox potential gradients." 10th Annual Meeting, American Society of Gene Therapy, Seattle; June 2007.

Manickam DS, Hirata A, Putt D, Lash L, **Hirata F**, **Oupicky D**. "Bel-2 over-expression as a proxy redox stimulus to enhance activity of reducible gene delivery vector." 4th Annual Research Day, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; September 2007. ● Emerging Nanoscience Applications in Technology and Biomedicine (ENATBIO), Detroit; October 2007.

**Husband R**. "Restorative Art: From 1st Call to 1st Viewing." 3rd Annual Meeting and Conference, American Society of Embalmers and Michigan Embalmers Society, Detroit; Oct. 27, 2007.

**Kath K**. "Objective Clinical Grades." Annual Meeting, American Society of Radiologic Technologists, Albuquerque, NM; June 2007.

**Keller RB**. "Practice Standards for Radiation Therapists." Radiation Therapy Conference, American Society of Radiologic Technologists, Los Angeles; October 2007.

**Kowluru A**. "Sugar, Fat and Islet Beta Cell: Lessons from Our Laboratory." Academy of Scholars, Wayne State University, Detroit; January 2007.

**Kowluru A**. "Novel Roles for Small G-Proteins in Glucose-Stimulated Insulin Secretion." Department of Physiology, Michigan State University, Lansing; April 2007.

**Kowluru A**. "Regulatory Roles for Protein Histidine Phosphorylation in Islet Beta Cell Function." School of Medicine, Brussels Free University, Belgium; July 2007.

**Kowluru A**. "Islet Beta Cell NDPK in Models of Impaired Insulin Secretion." International Conference on NDP Kinase, University of Dundee, UK; September 2007.



**Kowluru A.** “Novel Roles for Small G-Proteins in Glucose-Stimulated Insulin Secretion.” Insulin Secretion-Master Class, University of Dundee, UK; September 2007.

**Kowluru A.** “Signaling Mechanisms Underlying Physiological Insulin Secretion.” Endocrine Grand Rounds, Division of Endocrinology, School of Medicine, Wayne State University, Detroit; November 2007.

**Kowluru A.** “Glucose, G-Proteins and Insulin Secretion.” Research Service, John D. Dingell VA Medical Center, Detroit; December 2007.

Veluthakal R, **Kowluru A.** “Tiam1-mediated Rac1 activation is necessary, but not sufficient for glucose-induced insulin secretion in INS 832/13 cells” and “Hepatic growth factor mediates cytoprotection against IL-1 $\beta$ -induced islet dysfunction: Potential role for STAT3.” Annual Meeting, American Diabetes Association, Chicago; June 2007.

Susick L, Veluthakal R, **Kowluru A.** “Evidence for a potential role for histone acetylation in IL-1 $\beta$ -induced nitric oxide release in pancreatic  $\beta$ -cells” and “Protein farnesylation is necessary for IL-1 $\beta$  mediated iNOS expression and nitric oxide release in pancreatic  $\beta$ -cells.” Annual Veterans Affairs (VA) Research Day, John D. Dingell VA Medical Center, Detroit; May 2007.

Veluthakal R, Jangati GR, Susick L, **Kowluru A.** “Novel roles for protein phosphatase 2A [PP2A] in glucose-stimulated insulin secretion from the  $\beta$  cell.” Annual Veterans Affairs (VA) Research Day, John D. Dingell VA Medical Center, Detroit; May 2007.

Veluthakal R, Wadzinski BE, **Kowluru A.** “Localization of a nuclear serine/threonine protein phosphatase in insulin-secreting INS-1 cells: Potential regulation by IL-1 $\beta$ .” Annual Veterans Affairs (VA) Research Day, John D. Dingell VA Medical Center, Detroit; May 2007.

Veluthakal R, Chvyrkova I, Tannous M, McDonald M, Amin R, Hadden T, Thurmond D, Quon M, **Kowluru A.** “Essential role for membrane lipid rafts in IL-1 $\beta$ -induced nitric oxide release from insulin-secreting cells: Potential regulation by caveolin-1.” Annual Veterans Affairs (VA) Research Day, John D. Dingell VA Medical Center, Detroit; May 2007.

**Kowluru A.** “Regulatory roles for protein histidine phosphorylation in islet beta cell function.” International Symposium on Pancreatic Islet Research from Fundamental to Clinical Aspects: Metabolism, Ionic Fluxes, Imaging and Transplantation, Free University of Brussels, Belgium; July 24-28, 2007.

**Kowluru A, Veluthakal R.** “Novel roles for Rac1 and its regulatory proteins in glucose-stimulated insulin secretion.” International Symposium on Pancreatic Islet Research from Fundamental to Clinical Aspects: Metabolism, Ionic Fluxes, Imaging and Transplantation, Free University of Brussels, Belgium; July 24-28, 2007.

**Kowluru A.** “Islet beta cell NDPKinase in models of impaired insulin secretion.” (abstract) 7th International Congress of the NDP Kinase/NM23/awd Family, University of Dundee, UK; September 2007.

**Kowluru A.** “Novel regulatory roles for small GTP-binding proteins in glucose-stimulated insulin secretion.” Master Class-University of Dundee, UK; September 2007.

Susick L, Veluthakal R, **Kowluru A.** “Further evidence to suggest a potential role for histone acetylation in IL-1-induced nitric oxide release in pancreatic beta cells.” 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; September 2007.

Susick L, Veluthakal R, Goalstone M, **Kowluru A.** “Protein farnesylation is necessary for IL-1-mediated iNOS expression and nitric oxide release in pancreatic beta cells.” 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; September 2007.

Veluthakal R, **Kowluru A.** “Tiam1-mediated activation of Rac1 is necessary, but not sufficient for glucose-stimulated insulin secretion in INS 832/13 cells” and “Hepatic growth factor exerts cytoprotective effects against IL-1-induced metabolic dysfunction in the islet beta cells; Potential role for STAT3.” 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; September 2007.

Susick L, Veluthakal R, Goalstone M, **Kowluru A.** “Novel regulatory roles for a protein farnesylation-sensitive, protein kinase C $\delta$ -dependent signaling step in IL-1 $\beta$ -mediated iNOS expression and NO release in pancreatic  $\beta$ -cells.” Graduate Research Day, School of Medicine, Wayne State University, Detroit; September 2007.

**Lysack C.** “Environmental Factors and Participation after Spinal Cord Injury.” (invited address) 19th Annual Occupational Science Symposium: Health and Wellness: Interdisciplinary and Global Connections, University of Southern California, Los Angeles; March 29-30, 2007.

**Lysack C.** “Risk-taking and Spinal Cord Injury: Is Chance-taking Good for Women in Pursuit of Better Community Participation?” Caroline Thompson Memorial Lecture, University of Wisconsin-Madison; Sept. 26, 2007.

**McGinnity JG.** “Managing Dyslipidemia Safely: From Evidence to Outcomes” and “Valvular Heart Disease.” CME Conference, Mississippi Academy of Physician Assistants, Choctaw; April 2007

Tan W, **McGinnity JG.** “Advances in Medical Management of Peripheral Arterial Disease.” Practicing Clinicians Exchange Educational Symposium, Dallas; May 2007.

Meagher E, **McGinnity JG**. “Dyslipidemia and Cardiovascular Risk Reduction: An Evidence-Based Review.” Practicing Clinicians Exchange Educational Symposium, Dallas; May 2007.

Jamerson K, **McGinnity JG**. “Practical Approaches to Managing Hypertension: Reducing Global Cardiovascular Risk.” Practicing Clinicians Exchange Educational Symposium, Dallas; May 2007.

**McGinnity JG**. “Direct Renin Inhibitors: A Novel Approach to Hypertension Management;” “Measure, Monitor, and Motivate for Hypertension;” “Two-minute Safety Drill: Orthostatic Hypotension - Do we look for it and Do we need to?” and “Partnering with Your Patient in Hypertension Control: Evidence-based Strategies for the Contemporary.” CME Conference of the American Academy of Physician Assistants, Philadelphia; May 2007.

**McGinnity JG**. Cardiology lecture series for Physician Assistant Certification & Recertification Exam Review Course, Western Michigan University, Kalamazoo; August 2007.

**McGinnity JG**. “Hypertriglyceridemia: Risks, Causes and Treatment.” CE/CME, Three Teleconference Series, Embryon in Somerville, NJ; August 2007.

**McGinnity JG**. “Cardiac Risk Factor Reduction: Does it really work?” 32nd Annual CME Conference, Michigan Academy of Physician Assistants, Traverse City, MI; October 2007.

**McGinnity JG**. “The Physician-Physician Assistant Team.” 143rd Annual Scientific Meeting, Michigan State Medical Society, Troy, MI; October 2007.

**McGinnity JG**. “BP Success Zone Program: Incorporating educational programs into treatment plans.” CME Meeting, Tennessee Academy of Physician Assistants, Gatlinburg; October 2007.  
● Fall CME Meeting, Academy of Family Practice Physician Assistants, Las Vegas; October 2007.

Furman J, **McGinnity JG**. “Peripheral Artery Disease: Easy Steps to Diagnosis and Treatment” and “Practical Approaches to Managing Hypertension: Reducing Global Cardiovascular Risk.” Practicing Clinicians Exchange Educational Symposium, Phoenix; October 2007.

Lillo J, **McGinnity JG**. “Managing Cardiometabolic Risk: The Role of the Endocannabinoid System.” Practicing Clinicians Exchange Educational Symposium, Phoenix; October 2007.

Codario R, **McGinnity JG**. “Hypertriglyceridemia and Cardiovascular Disease Management: The Role of Omega-3 Fatty Acids.” Practicing Clinicians Exchange Educational Symposium, Phoenix; October 2007.

Zusman R, **McGinnity JG**. “Peripheral Artery Disease: Easy Steps to Diagnosis and Treatment” and “Practical Approaches to Managing Hypertension: Reducing Global Cardiovascular Risk.” Educational Symposium, Practicing Clinicians Exchange, Atlanta; November 2007.

Insel J, **McGinnity JG**. “Managing Cardiometabolic Risk: The Role of the Endocannabinoid System.” Educational Symposium Practicing Clinicians Exchange, Atlanta; November 2007.

**Moore J, Snyder AE**. “Advising for the masses? How one small office turned chaos into sanity.” Annual Conference, Michigan Academic Advising Association, Ann Arbor; April 2007.

**Munzenberger PJ**. “Pharmacists’ perceived knowledge and level of comfort with selected pediatric issues.” Spring Practice and Research Forum, American College of Clinical Pharmacy, Memphis; April 2007.

**Munzenberger PJ**. “Relationships between patient, caregiver and asthma characteristics, responsibility for management and indicators of asthma control.” Annual Meeting, American College of Clinical Pharmacy, Denver; October 2007.

**Munzenberger PJ**. “Managing Patients with Chronic Respiratory Diseases.” Annual Meeting, Michigan Society of Health-System Pharmacists, Lansing; November 2007.

**Normile H, Schmoll BJ, Snyder A, Moore J, Marur S, Galster N, Edwards D**. “Health Science Programs: Engaging and Recruiting Students.” Association of Schools of Allied Health Professions, San Diego; October 2007.

**O’Connell MB**. “A Changing Demographic Focus on Geriatrics and Multicultural Pharmacy Issues: Challenges and Opportunities for Pharmacists.” (keynote) Minnesota Society of Health-System Pharmacists, Golden Valley, MN; April 2007.

**O’Connell MB**. “Assessment and Management of Dementia.” Midyear Clinical Meeting, American Society of Health-System Pharmacists, Las Vegas; December 2007.

**O’Connell MB**. “Achieving Performance Improvement in Ongoing Management of Osteoporosis.” Caremark Continuing Education Program, Mt Prospect, IL; December 2007.

**Oupicky D, You Y, Manickam DS, Zhou Q**. “Gene Delivery Modulated by Redox Potential Gradients.” 13th International Symposium on Recent Advances in Drug Delivery Systems, Salt Lake City; February 2007.

**Oupicky D**. “Layer-by-layer assembly of DNA-containing thin films for gene therapy applications.” Department of Radiology, University of Michigan, Ann Arbor; February 2007.

Blacklock J, Handa H, Manickam DS, Mao G, Mukhopadhyay A, **Oupicky D**. “Disassembly of reducible TAT polypeptide films for controlled DNA release.” 2007 Annual Meeting, Society of Biomaterials, Chicago; April 2007.



Peng F, Zhang H, Kaur H, Lu X, Muzik O, **Oupicky D**. "MicroPET imaging using RGD-targeted poly(HPMA)-DOTA-Copper-64 Conjugates." 17th International Symposium on Radiopharmaceutical Sciences, Aachen, Germany; May 2007.

Zhang H, **Oupicky D**, Peng F. "Systemic Delivery of Human Copper Transporter 1 Reporter Gene with HIV TAT peptide DNA complexes in Mice." 5th International Workshop on Drug Delivery Systems, Telc, Czech Republic; May 2007.

You Y, Kalebaila KK, Brock SL, **Oupicky D**. "Mesoporous Silica Nanoparticles with Stimulus-Controlled Drug Uptake and Release." 34th Annual Meeting of the Controlled Release Society, Long Beach, CA; July 2007.

Zhou Q, **Oupicky D**. "RGD-targeted long circulating gene delivery nanoparticles increase gene expression *in vitro*." Annual Meeting & Exposition, American Association of Pharmaceutical Scientists, San Diego; November 2007.

Smolinski A, Varga L, **Pardo V**, Schepens S, **Goldberg A**. "Tests of stepping in relation to falls in community-dwelling older adults." *The Gerontologist* 2007; Vol. 47 Special Issue I: 353. ● 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University, Detroit; Sept. 12, 2007. ● Fall Conference Michigan Physical Therapy Association, Midland, MI; Oct. 13, 2007. ● 13th Annual Del Harder Rehabilitation Research Day, Detroit, May 4, 2007. ● Annual Meeting Gerontological Society of America, San Francisco; Nov. 18, 2007.

**Pellerito Jr. JM**, **Pociask FD**. "Driving Simulation and Research Outcomes for People with Disabilities." Motorola Corporation, Schaumburg, IL; April 28, 2007.

**Pellerito Jr. JM**. "Enhancing Community Mobility for Older Adults." 20th Annual Issues in Aging Conference, Institute of Gerontology; Canton, MI, May 15, 2007; Detroit, Nov. 16, 2007.

**Pellerito Jr. JM**. "Enabling Recreation and Leisure through Assistive Technology." 15th Annual Therapeutic Recreation and Park Association, Detroit; Nov. 16, 2007.

**Pellerito Jr. JM**. Topic: Older Drivers and Driving Retirement. Radio Talk Show "Ask Your Neighbor" WNZK 690 AM; December 2007.

**Rhoney D**, Baran T, **Parker D**. "Tolerability of Levetiracetam Among Black Patients Admitted to an Urban Medical Center." 4th Annual Research Forum, Eugene Applebaum College of Pharmacy and Health Sciences, Wayne State University (WSU), Detroit; September 2007. ● WSU Undergraduate Research Forum, Detroit; November 2007. ● Midyear Clinical Meeting, American Society of Health-System Pharmacists, Las Vegas; December 2007.

Crow J, Browning L, Faris J, **Rhoney D**, Hall L, **Parker D**. "Neuromuscular Blockage in Critical Illness." Midyear Clinical Meeting, American Society of Health-System Pharmacists, Las Vegas; December 2007.

Vooturi SK, Cheung C, **Rybak M**, **Firestone SM**. "Minor groove binding agents as antibacterials." National Meeting, American Chemical Society, Chicago; March 2007.

Bhan R, **Rybak MJ**, **Davis SL**, Levine D. "Evaluation of Vancomycin for MRSA Infective Endocarditis at the Detroit Medical Center." 9th International Symposium on Modern Concepts in Endocarditis and Cardiovascular Infections, Heidelberg, Germany; June 14-17 2007. Abstract #426

Chin J, **Rybak M**, Kaatz G. "Evaluation of Various Fluoroquinolones (FQ) Against *S. pneumoniae* with 1st Step Mutations of parC (SP1)." ECCMID-ICC 2007 – Abstract #833

Chin J, **Rybak M**, Cheung C, Savage PB. "CSA-13 Demonstrates Concentration-Dependent Activity and Post-Antibiotic Effect (PAE) Against Clinical Isolates of Resistant *Staphylococcus aureus*." ECCMID-ICC 2007 – Abstract #1867/MAD-ID Abstract #8.

Leonard SN, **Rybak MJ**. "Evaluation of vancomycin and high-dose daptomycin against MRSA and heterogeneous vancomycin intermediate *Staphylococcus aureus* (hVISA) in an *in vitro* pharmacodynamic model (IVPM) with simulated endocardial vegetations." MAD-ID 2007 Abstract #9, and ISCVID Germany 2007.

Leuthner KD, Cheung CM, **Rybak MJ**. "Evaluation of TD-1792 vs. Daptomycin, Vancomycin, Linezolid and Quinupristin-Dalfopristin against Vancomycin Non-Susceptible *Staphylococcus* Species (VISS) Including hVISA, and VRSA." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #2343.

Leonard SN, Cheung CM, **Rybak MJ**. "*In Vitro* Activity of Ceftobiprole (CEF) against Clinical Isolates of Hospital (HA) and Community-Acquired (CA) Methicillin-Resistant *Staphylococcus aureus* (MRSA)." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #3305

Leonard SN, Kaatz GW, Rucker LR, **Rybak MJ**. "*In Vitro* Activity of Gemifloxacin (GEMI) Alone and in Combination against Community-Associated Methicillin-Resistant *Staphylococcus aureus* (CA-MRSA)." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #1459

Rose WE, **Rybak MJ**, Leonard SN, Sakoulas G, Kaatz GW, Zervos M, Sheth A, Carpenter CF. "Evaluation of daptomycin (D) activity against *Staphylococcus aureus* (SA) following vancomycin (V) exposure in an *in vitro* pharmacodynamic model with simulated endocardial vegetations (IVPD-SEV)." ECCMID-ICC 2007 - Abstract #2064 MAD-ID Abstract #9

Rose WE, Leonard SN, Kaatz GW, Sakoulas G, **Rybak MJ**. "Teicoplanin (T) Susceptibility in Reference to the Accessory Gene Regulator (agr) in *Staphylococcus aureus* (SA) Using an *In Vitro* Pharmacodynamic Model (IVPM)." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #1685

Rose WE, Leonard SN, Lau K, Kaatz GW, **Rybak MJ**. "Relationships between Vancomycin (V) Pharmacodynamics and the Emergence of V Intermediate *Staphylococcus aureus* (VISA) from Heteroresistant VISA (hVISA) in an *In Vitro* Pharmacokinetic/Pharmacodynamic Model (IVPM)." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #1287

Rose WE, Leonard SN, **Rybak MJ**. "*In Vitro* Activity of Daptomycin (D) in Combination with Gentamicin (G) and Rifampin (R) against *Staphylococcus aureus* (SA) Isolates with Reduced D Susceptibilities from the Bacterial Endocarditis (BE) Clinical Trial." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #2489

Chin JN, **Rybak MJ**, Jones RN, Savage PB. "Evaluation of the Novel Ceragenin, CSA-13 Activity and Potential Synergy (SYN) against Clinical Isolates of *P. aeruginosa* (PA), Including Multi-Drug Resistant PA (MDR-PA)." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #2849

Chin JN, Leuthner KD, Seo SM, Kaatz GW, **Rybak MJ**. "Fluoroquinolone (FQ) Exposure (E) Modifies Penicillin-Binding Protein (PBP) Expression (EX) and Induces Oxacillin (OXA) Resistance (R) in Oxacillin-Susceptible *Staphylococcus aureus* (OSSA)." Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago; September 2007. Abstract #3258

**Salinitri FD, Garwood CL, Lehr VT, Abdullah K, O'Connell MB**. "Evaluation of Student and Faculty Opinions and Performance on an Objective Structural Clinical Examination to Assess Problem Based Learning." Annual Meeting, American College of Clinical Pharmacy, Denver; July 2007.

**Schmoll BJ, Normile HJ, Slaughter RL**. "Using a Novel Benchmark Technique for Assessment in a College of Pharmacy and

Health Sciences." Association of Schools of Allied Health Professions, San Diego; October 2007.

**Separovic D, Maitah MYA, Hanada K, Bielawski J**. "Role of sphingomyelin synthase in ceramide production and apoptosis after photodamage." Annual Meeting Experimental Biology, Washington DC; April 2007.

**Slaughter RL, Normile HJ, Schmoll BJ**. "Comparison of Student Self Rating against Educational Objectives on Entrance and Exit Surveys." Association of Schools of Allied Health Professions, San Diego; October 2007.

**Smythe MA, Mattson JC, Kennedy M, Koerber JM**. "Argatroban dose requirements in intensive care patients." *Journal of Thrombosis/Hemostasis* 2007; 5 Supplement 2: P-W-648.

Koerber JM, Mattson JC, Kennedy M, **Smythe MA**. "An evaluation of an argatroban dose titration nomogram." *Journal of Thrombosis/Hemostasis* 2007; 5 Supplement 2: P-M-649.

Koerber JM, Forsyth L, Priziola J, **Smythe MA, Mattson JC**. "A comparison of argatroban dosing and outcomes in ICU and non-ICU Patients." *Critical Care Medicine* 2007 (#414); 35 (12): A112.

**Snyder AE**. "Why health science needs you." Freedom Weekend Youth Conference, NAACP, Detroit; April 2007.

Samsair S, Zavala A, Schepens S, **Talley S, Goldberg A**. "A comparison of the effect of ankle plantar flexor versus lumbar extensor muscle fatigue on postural sway." *Journal of Neurological Physical Therapy*; 31:196-197.

**Thomas DM**. "Methamphetamine Neurotoxicity: Scientific Update." Ninth Annual Children's Hospital of Michigan Toxicology on the Cutting Edge Symposium: "Crank and Speed: Methamphetamine in the Community," Detroit; January 2007.

**Thomas DM**. "Methamphetamine Neurotoxicity and Microglial Activation." Seminar, Poison Control Center, Children's Hospital of Michigan, Detroit; February 2007.

**Thomas DM, Geddes TJ, Goebel KC, Francescutti-Verbeem DM, Kuhn DM**. "Mice with GFP Labeled Microglia are a Valuable Resource for Assessing Methamphetamine- and MPTP-Induced Neurotoxicity." Veterans Administration Research Day, Detroit; May 2007. • 37th Annual Meeting, Society for Neuroscience, San Diego; November 2007.

**Vanderwiele Milligan N**. "Problem Based-Learning Pilot Study." Annual Fall Conference, Michigan Occupational Therapy Association, Warren; October 2007.

**Woster PM**. "Inhibitors of Plasmeprin II as Potential Antimalarial Agents." 3rd International Symposium on Current Trends in Drug Discovery Research at the Central Drug Research Institute, Chattar Manzil, Lucknow, India; Feb. 17-21, 2007.

**Woster PM**. "Development of polyamine-based analogues as potential therapeutic agents." The Second International Conference on Pharmaceutical Sciences, Technology and Practice, and The Second Indo-Canadian Satellite Symposium, Ooty, Tamil Nadu, India; Feb. 24 – 26, 2007.

**Woster PM**. "Development of polyamine-based analogues as potential therapeutic agents." International Congress on Biogenic Amines: Biological and Clinical Perspectives, Catania, Sicily; Oct. 17-21, 2007.



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George C. Fuller, PhD

The George C. Fuller, PhD Endowed Scholarship is a living tribute to the career and legacy of the fifth dean of the Eugene Applebaum College of Pharmacy and Health Sciences (EACPHS). Educator, researcher, lecturer, mentor and author, Dr. Fuller led the college at his alma mater Wayne State University (WSU) from 1988 to 2000.

Since stepping down as dean of the college, Dr. Fuller has continued as a professor in the EACPHS Department of Pharmaceutical Sciences. In fall 2007, Dr. Fuller announced his retirement for May 2008. That decision spurred his friends, fraternity brothers, and classmates to honor him with an endowed scholarship to continue nurturing pharmacy students to reach their professional goals.

Dr. Fuller earned his Bachelor of Science degree in Pharmacy in 1959 and Master of Science in Pharmacology in 1963 from Wayne State University. Following receipt of his PhD in 1966 from Purdue University, Dr. Fuller spent the next 15 years at the University of Rhode Island, rising through the ranks from assistant professor to professor of pharmacology. He also served as a lecturer in the Department of Medicine at Brown University.

In 1980, he was certified in general toxicology by the American Board of Toxicology. That same year, Dr. Fuller joined G. D. Searle & Company in Illinois. As director of the Molecular and Cell Biology Research Department, Dr. Fuller was responsible for the research plan and scientific direction for drug discovery programs in allergy inflammation and connective tissue diseases. While working at Searle, he continued as an educator in adjunct faculty positions at the University of Rhode Island and Brown University.

Dr. Fuller accepted the appointment of Dean for the WSU College of Pharmacy and Allied Health Professions in 1988. It was under his leadership that, in 1999, ground was broken for a new pharmacy and health sciences building to house the Eugene Applebaum College of Pharmacy and Health Sciences. This 275,000 square-foot, hi-tech, state-of-the-art learning facility is just one aspect of Dr. Fuller's vision and achievement as Dean.

During his illustrious career, he published 85 original articles and book chapters and held two U.S. and corresponding foreign patents. He has served as a preceptor for both graduate and postdoctoral students. Dr. Fuller taught pharmacology and toxicology to students in pharmacy, medicine, dental hygiene, nursing and graduate programs.

His research interest includes pharmacologic control of allergy and inflammation as well as disease-induced alteration in collagen metabolism. During his academic career, these research programs were funded by grants from the National Institutes of Health and the American Heart Association.

Dr. Fuller's memberships have been numerous and included the American Society for Pharmacology and Experimental Therapeutics, Society of Toxicology, American

Dr. & Mrs. George C. (Margery) Fuller



{ exemplary }

Association for Study of Liver Disease, American Association for the Advancement of Toxicology, the New York Academy of Science, and the Rho Chi Society, the national honors society for pharmacy. He provided leadership services to advisory boards of thePhRMA Foundation, University of Rhode Island, the American Heart Association, and a variety of editorial boards.

Among his awards and honors, Dr. Fuller has received the distinguished alumni awards from both Wayne State University and Purdue University.

The George C. Fuller, PhD Endowed Scholarship is established to continue Dr. Fuller's influence and to honor his commitment to scholarship in pharmacy. It supports young men and women as they pursue their studies in the PharmD/PhD program. The joint program of the Departments of Pharmacy Practice and Pharmaceutical Sciences enables students to complete both degrees, meeting all current requirements, in as little as seven years.

This scholarship was created through the efforts of EACPHS alumni Robert C. Johnson, G. Richard Krieger, Myron Winkelman, and Richard Pazin. Johnson (Class of '58 and a member of the EACPHS Board of Visitors) and his wife, Tina, gave the lead gift to initiate funding for this scholarship.

Your gift added to that of other donors to the George C. Fuller, PhD Endowed Scholarship will help students in the joint PharmD/PhD program to receive support



Fraternity brothers from WSU Alpha Eta Chapter of Phi Delta Chi: (from left, standing) Norman Skinner, G. Richard Kreiger, Richard Pazin, Robert Woodfield, (seated) Craig Cebulskie and Dr. Fuller

for years to come. Your gift will continue to keep alive the legacy and contributions that Dr. Fuller has given to Pharmacy and Health Sciences during his distinguished career.

For more information on contributing to this scholarship or other EACPHS scholarships, please contact Lisa Whitmore Davis, EACPHS director of Development, at (313) 577-0273 or e-mail: [aj2436@wayne.edu](mailto:aj2436@wayne.edu).

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EUGENE APPLEBAUM  
COLLEGE OF PHARMACY  
AND HEALTH SCIENCES

Office of the Dean  
Suite 2600  
259 Mack Avenue  
Detroit, MI 48201

[www.cphs.wayne.edu](http://www.cphs.wayne.edu)