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OUPharmacy.com

From the Dean

Dear Friends:

Greetings and Happy New Year from the OU College of Pharmacy. I trust that you had a happy and safe holiday season and hope that the upcoming year will bring to you the best of times in all of your endeavors. It will be our pleasure to continue sending the e-News as a means of keeping you up-to-date and informed about our activities as well as about current issues surrounding the pharmacy profession. As you may know already, there is plenty of information to be found on our web site and we hope you will find it useful. In case you missed previous issues of the e-News, they are available for on-demand viewing at <http://oupharmacy.com/pharmcomm/enews/>.

This year promises to bring many exciting changes and challenges to the college as we expand access to our doctor of pharmacy program by utilizing facilities at The Schusterman Center in Tulsa. It is intended that students in Tulsa and in Oklahoma City will simultaneously learn the same material through distance education techniques and technologies. In the classroom situations, faculty will sometimes be based in Tulsa and sometimes be based in Oklahoma City. Teaching and learning at both sites will be aided by facilitators, dedicated and informed staff members capable of enhancing the learning experience. Of course, educational content that is learned in laboratory and experiential education settings will be duplicated and plans are underway to establish the necessary environments for those activities.

We continue to develop our technological capabilities in the college and that effort has been spearheaded by the highly accomplished and competent OUPharmTECH group (<http://oupharmacy.com/finance/pharmtech/>). Providing advice and guidance to this group is the Technology Assessment, Utilization, and Training Committee (<http://oupharmacy.com/information/committees/#tech>), a standing committee in the college consisting of faculty, staff, and students. These groups will be integrally involved in aiding the acquisition and utilization of the most efficient and effective technologies available for delivering a high-quality doctor of pharmacy program using distance education methodologies. It is anticipated that what we do in this realm will be truly cutting-edge and serve as a model for those who follow.

I will keep you posted on progress throughout the year, but hope that you will visit our web site often to catch the flavor of ongoing activities and to look for items related to your specific area(s) of interest. You are always welcome to send a message directly to me by typing in the box at the bottom of the page located at <http://oupharmacy.com/information/message/> and then pressing the "Send" button. There are several places on our site that allow you to communicate with us and we hope you will take full advantage of these opportunities.

Sincerely,

College News

▪ Travis Watts ('95) Featured in "Community Pharmacist"

Travis and information about his pharmacy practice and teaching activities were recently featured in the "[Community Pharmacist](#)" issue for November/December, 2001. Travis is currently serving the College of Pharmacy as Clinical Assistant Professor with a pharmacy practice site at the Claremore Indian Hospital and office at The Schusterman Center in Tulsa.



▪ **Melissa Medina Appointed to Advisory Committee**

Melissa, who is currently Director of the [Office of Instructional Sciences and Assessment](#) in the College of Pharmacy, has been appointed to serve on the National Network of Libraries of Medicine's South Central Regional Advisory Committee. Her term of appointment will extend to April, 2004. The mission of the [National Network of Libraries of Medicine](#) is to advance the progress of medicine and improve the public health by providing all U.S. health professionals equal access to biomedical information; and to improve the public's access to information to enable them to make informed decisions about their health.

▪ **Faculty and Alumni Present Posters at ASHP**

The following is a list of posters presented by College of Pharmacy Faculty and Alumni during the contributed scientific sessions at the Midyear meeting of the [American Society of Health-System Pharmacists](#) (ASHP) held in New Orleans:

Faculty Posters:

- Using Simulated Patients to Evaluate the Development and Documentation of Patient Care Plans in Nontraditional Pharm.D. Students, **Tracy Hagemann** and **Robin Feuge**.
- Use of a Comprehensive Database to Influence Adherence to Guidelines in an Air Force Medical Group, **Robin R. Feuge**, **Mary Ann Halloran**, and Shirley R. Lockie.

Alumni Posters:

- Evaluating Memory Problems Among Patients in a Geriatric Clinic Using a Personal Digital Assistant, Lisa J. Miller, Lillian Florez-Perez, Vijaya P. Henry, and **Amir Emamifar ('85)**.
- Development and Implementation of a Parenteral Nutrition Compatibility Safety Standard, **Todd W. Canada ('88)**, Lawrence A. Trissel, Joel D. Lajeunesse, and Bourjois S. Abboud.
- Financial Impact of Analyzing and Maximizing Market Share Agreements in an Acute Care Referral Center, **Mike W. Abdo ('91)**.
- Development of a Pharmacist Intervention Database and Its Use as a Prescriber Education Tool in the Prevention of Medication Errors and Adverse Events in a Pediatric Teaching Hospital, Steven K. Hetey, Joseph W. Oden, **Terri L. Barton ('87)**, and John F. Tourville.
- Pilot Project Evaluating the Efficacy and Tolerability of Switching Antipsychotic Therapy in Ziprasidone in the Correctional Setting, **Michael F. Pondrom ('98)**, Hemant S. Patel, Susan D. Stewart, and Suzanne Ducate.

▪ **Faculty and Alumni Present Residency Posters at ASHP**

The following is a list of posters presented by College of Pharmacy Faculty and Alumni during the Residency Poster Session at the Midyear meeting of the [American Society of Health System Pharmacists](#) (ASHP) held in New Orleans:

- Evaluation of an Indian Health Service Anticoagulation Certificate Training Program, **Ryan Schupbach ('00)** and **Travis Watts**.
- Evaluation of an Indian Health Service Pharmacy-Based Lipid Clinic, **Dena Ingram ('00)** and **Travis Watts**.

▪ **Publications from the Department of Pharmaceutical Sciences, July-December, 2001**

The following publications from faculty members in the College of Pharmacy's Department of Pharmaceutical Sciences appeared between July and December, 2001:

- **Christensen HD, Gonzalez, CL**, Stewart JD and Rayburn, WF. Multiple courses of antenatal corticosteroids and cognitive development of mice offspring. *J. Maternal Fetal Medicine* 10: 1-8, 2001.
- **Christensen, HD, Gonzalez, CL**, Stewart, JD and Rayburn WF. Multiple courses of antenatal betamethasone and cognitive development of mice offspring. *The Journal of Maternal Fetal Medicine* 10: 1-8, 2001.

- **Christensen, HD, Gonzalez, CL**, Stewart, JD and Rayburn, WF. Multiple courses of antenatal corticosteroids and cognitive development of mice offspring. *J. Maternal Fetal Medicine* 10: 1-8, 2001.
- Rayburn, WF, **Gonzalez, CL, Christensen, HD** and Stewart, JD. Effect of prenatally administered hypericum (St. John's Wort) given parentally on growth and physical maturation of mice offspring. *Am. J. Obst. Gynecol.* 184: 191-195, 2001.
- **Fechter, LD, Chen, GD, and Rao, DB**. Characterizing conditions that favor potentiation of noise induced hearing loss by chemical asphyxiants. *Noise and Health* 2: 11-21, 2000.
- **Chen, GD, McWilliams, M and Fechter, LD**. Succinate dehydrogenase (SDH) activity in hair cells: a correlate for permanent threshold elevations. *Hearing Research* 145: 91-100, 2000.
- **McWilliams, M, Chen, GD and Fechter, LD**. Characterization of the ototoxicity of DFMO and its enantiomers. *Toxicological Sciences* 56: 124-132, 2000.
- **Rao, D. and Fechter, LD**. Protective Effects of Phenyl-N-tert-butylNitrone (PBN) on the Potentiation of Noise Induced Hearing Loss by Carbon Monoxide. *Toxicology and Applied Pharmacology* 167: 125-131, 2000.
- **McWilliams, M, Chen, GD, and Fechter, LD**. Low level toluene disrupts auditory function in guinea pigs. *Toxicol. Appl. Pharmacol.* 167: 18-29, 2000.
- Surin, A., Reimann-Philipp, U. and **Fechter, LD**. Simultaneous Monitoring of Slow Cell Motility and Calcium Signals of the Guinea Pig Outer Hair Cells. *Hearing Research* 146: 121-133, 2000.
- **Fechter, LD, Chen, GD, Rao, D and Larabee, J**. Predicting exposure conditions that facilitate the potentiation of noise-induced hearing loss by carbon monoxide. *Toxicological Sciences* 58: 315-323, 2000.
- **Rao, DB and Fechter, LD**. Increased noise severity limits potentiation of noise induced hearing loss by carbon monoxide. *Hearing Research* 150: 206-214, 2000.
- **Chen, GD**, Kong, J. Reinhard, K. and **Fechter, LD**. NMDA receptor blocker protects against permanent NIHL but not its potentiation by CO. *Hearing Research* 154: 108-115, 2001.
- Tawackoli, W., **Chen, GD and Fechter, LD**. Acute Disruption of Cochlear Potentials by Chemical Asphyxiants. *Neurotoxicology and Teratology* 23: 157-165, 2001.
- **Rao, DB, Moore, D., Reinke, LA and Fechter, LD**. Free radical generation in the cochlea during combined exposure to noise and carbon monoxide: an electrophysiological and EPR study. *Hearing Research* 161: 113-122, 2001.
- Sugawara T, **Gallucci RM**, Simeonova PP and Luster MI. Regulation and role of interleukin 6 in wounded human epithelial keratinocytes. *Cytokine* 15: 328-336, 2001.
- **Gallucci RM**, Sugawara T, Yucesoy B, BerryAnn K and Luster MI. Interleukin-6 treatment augments cutaneous wound healing in glucocorticoid treated immunosuppressed mice. *J. Interferon Cytokine Res.* 21: 603-609, 2001.
- **Matsumoto, RR, McCracken, KA, Pouw, B.**, Miller, J., Bowen, WD., Williams, W and DeCosta, BR. (2001) N-alkyl substituted analogs of the α 1 receptor ligands affect cocaine-induced convulsions and lethality in mice. *Eur. J. Pharmacol.* 411: 261-273, 2001.
- **Matsumoto, RR and Mack, AL**. (+) –SM 21 attenuates the convulsive and locomotor stimulatory effects of cocaine in mice. *Eur. J. Pharmacol.* 417: R1-2, 2001.
- **Matsumoto, RR, McCracken, KA**, Friedman, MJ, Pouw, P., DeCosta, BR and Bowen, WD. Conformationally-restricted analogs of BD1008 and an antisense α 1 receptors produce anti-cocaine effects in oligodeoxynucleotide targeting mice. *Eur. J. Pharmacol.* 419: 163-174, 2001.
- **Zang, XP**, M. Learner, DI, Bracket and **Pento, JT**. KGF-induced gene expression in MCF-7 cells using cDNA microarray analysis. *Breast Cancer Res. Treat.* 64: 110, 2001.
- Rajah, TT, Rambo, DJ, Dmytryk, JJ and **Pento, JT**. Influence of antiestrogens on 3T3-fibroblast-induced motility of breast cancer cells. *Chemotherapy* 47: 56-69, 2001.
- **Zang, X. P. and J. T. Pento**. Keratinocyte growth factor-induced motility of breast cancer cells. *Clin. Eptl. Metastasis* 18: 573-580, 2001.
- Tong, G. M., T.T. Rajah, **X.P. Zang and J. T. Pento**. Antiestrogen inhibition off EGR-mediated invasiveness of human breast cancer cells. *In Vitro Cell. Dev. Biol.* 37: 578-80, 2001.
- **Shankar, N**, Lockatell, CV, **Baghdayan, AS**, Drachenberg, C, Gilmore, MS and Johnson, DE. Expression of surface protein Esp contributes to persistence of *Enterococcus faecalis* in a mouse model of ascending urinary tract infection. *Infect. Immun.* 69: 4366-4372, 2001.
- **Shough, HR**. Immunizing Agents and Allergenic Extracts. *The Science and Practice of Pharmacy*, 20th Edition, 2000.



▪ Faculty and Students Present Posters at ASHP

The following is a list of posters presented by College of Pharmacy Faculty and Students during the Student Poster Session at the Midyear meeting of the [American Society of Health System Pharmacists](#) (ASHP) held in New Orleans:

- Assessing Treatment Outcomes for Excessive Anticoagulation, **Suzette Barry ('02)**, **Dawn Havrda**, and **Toni Hawk**.
- Thrombotic Thrombocytopenic Purpura-Hemolytic Uremic Syndrome Associated with the Use of Mitomycin C, Cyclosporine, Quinine, Ticlopidine, and Clopidogrel, **James M. Sipols ('02)**, **Patrick J. Medina**, and James N. George.

Important Healthcare Information News

▪ Additional Options for Preventative Treatment of Inhalational Anthrax

The U.S. Department of Health and Human Services has recently released a statement regarding additional options for preventive treatment for those exposed to inhalational anthrax. The information may be found at <http://www.hhs.gov/news/press/2001pres/20011218.html>.

▪ EPA Orders Companies To Stop Selling Unregistered Anthrax Pesticidal Products to the Public

The U.S. [Environmental Protection Agency](#) (EPA) has ordered two companies to stop selling unregistered pesticides claiming to protect the public from anthrax and requested the companies voluntarily to recall these illegal products from the marketplace.

The EPA orders were issued to Homeland Security Plus of Gilbert, Arizona, for the illegal sale of Biohazard Decontamination Solution, and to Testing Kits Inc. of Fort Lauderdale, Florida, for the illegal sale of EnviroFoam Easy DECON, also known as "EnviroFoam." Both unregistered products were marketed on the Internet. The companies have since removed the promotion for these products from their websites. The EPA will be monitoring compliance with its orders and the companies' voluntary recall.

EPA has authorized the limited use of an anthrax decontamination foam (a formulation of quaternary ammonium and hydrogen peroxide) for use in emergency cleanup operations of the U.S. Congress, federal agencies, and the U.S. Postal Service under an exemption from the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). This emergency use was authorized for limited spot decontamination only by federal, state or local emergency response personnel and not by the general public. Additional data review required by registration will help determine whether such products can be used more widely. The anthrax decontamination foam for which the EPA exemption was granted was not manufactured by Testing Kits Inc.

▪ Effective Bioterrorism Preparedness Planning Primer

A 28-page document, entitled "Elements of Effective Bioterrorism Preparedness - A Planning Primer for Local Public Health Agencies," has been developed by the National Association of County and City Health Officials (NACCHO) to help local public health officials and their partners identify their public health and safety roles when responding to bioterrorism. The document is available at: http://www.naccho.org/files/documents/Final_Effective_Bioterrism.pdf.

▪ Children, Bioterrorism, and Disasters

An American Academy of Pediatrics (AAP) site, which can be viewed at <http://www.aap.org/advocacy/releases/cad.htm>, contains a compilation of AAP resources and materials on disasters, bioterrorism, and psychological support of children. It also provides links to other sites with resources on bioterrorism and to directories of health departments.

▪ Anthrax and Smallpox Information from NNII

The National Network for Immunization Information (NNII) has compiled, at <http://www.immunizationinfo.org/features/index.cfm?ID=35>, information resources on bioterrorism agents (anthrax and smallpox), vaccine need/supply, and what to do to be prepared.

▪ **Managing Radiation Emergencies**

The Radiation Emergency Assistance Center/Training Site, at <http://www.orau.gov/reacts/care.htm>, provides information that addresses not only basic explanations and definitions related to radiation, but also offers guidance to those responding both at the scene of an accident and at the hospital.

▪ **Free Access to Terrorism and Security Publications**

The National Academy Press provides free access to 26 recent publications from the National Academies about science and policy issues surrounding terrorism and security. Included among the titles is a 2001 publication, "Firepower in the Lab: Automation in the Fight Against Infectious Diseases and Bioterrorism" and a 1999 report entitled "Chemical and Biological Terrorism: Research and Development to Improve Civilian Medical Response." The publications may be found at <http://www.nap.edu/terror/>.

▪ **Webcast Explains Latest Anthrax Prophylaxis Recommendations**

A Centers for Disease Control and Prevention (CDC) and University of North Carolina School of Public Health Webcast, entitled "CDC Responds: Update on Options for Preventive Treatment for Persons at Risk for Inhalational Anthrax," is available for on-demand viewing at <http://www.sph.unc.edu/about/webcasts/>. The program describes the rationale behind the revised regimen and addresses the known risks and benefits of the anthrax vaccine and of prolonged antimicrobial prophylaxis. Other on-demand webcast programs related to bioterrorism are also available at this site. While RealPlayer (<http://www.real.com/realone/index.html>) is required to see and hear the programs, transcripts can also be viewed.

Alumni News

▪ **New Address for Lisa Ashworth ('87)**

Lisa recently stopped by the College of Pharmacy exhibit booth at the Mid-Year meeting of the [American Society of Health-System Pharmacists](#) (ASHP) and provided her new internet address. Classmates and friends may contact Lisa at JLDN89@attbi.com. She is looking forward to her class reunion next spring.

▪ **Klista Najewicz ('91) - New Baby Girl**

Klista and Tim Najewicz are the proud parents of new baby Aleksandra Chel who arrived at 6:55 p.m. on October 8, 2001. Aleksandra weighed 7 lbs., 8 oz. and was 20 ½ inches long. Congratulations and best wishes to Klista and Tim.

▪ **Richard Austin ('75) Wins College Coaster Set**

Richard, currently from Denison, TX, was the winner of a college coaster set given away at the recent Midyear meeting of the American Society of Health-System Pharmacists (ASHP) held in New Orleans. Congratulations and best wishes to Richard.

▪ **Dana Tim Knowles ('81) – New Address**

Tim sent along his new e-mail address so that classmates and friends can communicate with him. He can be found at dknowlest@msn.com. Thanks Tim.

▪ **Herb Langsam ('52) Re-Elected as ASCP Secretary/Treasurer**

Herb was recently re-elected by the Board of Directors of the [American Society of Consultant Pharmacists](#) (ASCP) to serve a second two-year term as secretary/treasurer of the organization. He is a founding member of the ASCP and served as 1992-93 ASCP president. Herb has received the [Distinguished Alumni Award](#) from the College of Pharmacy Alumni Association along with other honors and recognition. Herb and his wife Dorothy have established an [endowed chair in geriatric pharmacy](#) in the College of Pharmacy.

▪ Greetings from Kim ('93) and Kris Gerbrandt



Kim and Kris, along with their children, Callie, Megan, and Aaron send season's greetings.

▪ Josephine Li McLeod ('94, '98) and Family Send Greetings



Josephine, Bruce, and Cameron are still big-time OU fans.

Pharmacy News

▪ Pharmacy Organizations Help Support Tobacco Cessation Program

The 14th Annual "Take a New Year's Resolution to Stop Smoking" campaign that extends from December 26, 2001, through February 10, 2002, is supported this year by Pharmacists Planning Service, Inc. (PPSI), the Pharmacy Council on Tobacco Dependence (PCTD) and the American Legacy Foundation (ALF) along with the Agency for Healthcare Research and Quality (AHRQ). Additional information is available through PPSI at <http://www.ppsinc.org>.

▪ Senator Jack Reed (D-RI) Speaks in Support of Pharmacy Education

In a recent speech before the US Senate, Senator Jack Reed (D-RI) expressed strong support for Senate Bill 1806, The Pharmacy Education Aid Act of 2001. According to Senator Reed, speaking for himself as well as Mr. Enzi, Mr. Johnson, Mr. Chafee, Mr. Graham, Ms. Collins, Ms. Landrieu, Mr. Hutchinson, Mr. Inouye, Mr. Cochran, and Mr. Wellstone, "The Pharmacy Education Act seeks to enhance not only the supply of pharmacists, by providing much needed support to Colleges of Pharmacy, it also aims to improve the distribution of pharmacists by building upon the National Health Service Corps. Specifically, the bill expands eligibility of certain existing Federal grant programs to Colleges of Pharmacy to upgrade and expand facilities and laboratory space and recruit and retain talented faculty to educate pharmacy students. The bill also provides a number of new sources of financial aid to students interested in pursuing a career in pharmacy. First, the bill allows students entering pharmacy school and students who have graduated with a PharmD degree to apply for National Health Service Corps, NHSC, Scholarship and Loan Repayment funds. Second, it allows students who demonstrate financial need to apply for scholarships to qualifying schools of pharmacy."

Senator Reed also said "Increasing demand for pharmacists makes it imperative that a proactive response to current trends be undertaken before the situation becomes critical. I hope my colleagues will join me in seeking expeditious consideration and passage of this timely and important legislation."



▪ Bioterrorism Bill Recognizes Pharmacist Shortage

Threats from bioterrorism are illustrating to key decision-makers that our health care system must be adequately staffed in order to be able to respond effectively to bioterrorism attacks. The House recently passed a bipartisan bioterrorism bill sponsored by Reps. Billy Tauzin (R-LA), John Dingell (D-MI), Michael Bilirakis (R-FL), and Sherrod Brown (D-OH) that would provide opportunities to help increase our nation's number of pharmacists.

Demonstrating legislators' constantly improving knowledge of the growing pharmacist shortage, one section of the bill would establish a grant program in Health and Human Services (HHS) for the training of health professionals that the Secretary determines will be needed to respond to public health emergencies. While the bill doesn't specify pharmacists per se, the following excerpt from Rep. Bilirakis' floor statement makes clear these funds are intended for pharmacist training:

"Since health care providers will be the first to respond to a public health emergency, it is essential that we have health professionals ready to deal with health care needs in the event of a bioterrorist attack. This legislation begins to address shortages in areas such as medical technologists and pharmacists by providing grants to train and educate individuals in areas of the greatest need."

▪ APhA Provides Links to Patient Brochures Written in English and Spanish

The [American Pharmaceutical Association](http://www.aphanet.org/reasons/2001_PDF_Brochures.htm) (APhA) has provided links to the 2001-2002 Series of Patient Health Brochures written in both English and Spanish. The brochures, which provide information on a variety of drug- and health-related topics, are available in PDF (http://www.aphanet.org/reasons/2001_PDF_Brochures.htm) or in HTML (<http://www.pharmacyandyou.org/healthinfo/healthinfo.html>) format.

▪ GAO Reports Shows Discount Cards Provide No Real Savings

A [General Accounting Office](http://www.gao.gov) (GAO) report issued recently confirms what the [National Community Pharmacists Association](http://www.nacpharm.org) (NCPA) and independent community pharmacists have been saying for a long time: discount cards provide little, if any, savings. The GAO study reports that, on average, discount cards saved seniors in three large cities — Washington, D.C.; Chicago, Illinois; and Seattle, Washington — a meager 8.2 percent on 12 of the most popular name-brand drugs used by the elderly.

The average price of the drugs reviewed was \$66.56 at pharmacies and \$62.94 through the discount cards. When the card fees are considered, the patient pays more than the typical pharmacy would charge. The GAO examined discounts obtained through five private discount card programs.

To read the GAO's complete report, visit the following site: <http://www.oupharmacy.com/news/pdf/discountcard.pdf>.

OUPharmTech News

▪ SyllabusWeb Provides IT Information To Enhance Education

Syllabus is a monthly magazine that focuses exclusively on the use of high tech in higher education, and provides a platform for advancing new IT solutions at the college level. Its mission is to inform educators on how technology can be used to support their teaching, learning, and administrative activities. Syllabus has been a source of information for educators, administrators and IT professionals since 1988.

For a complimentary subscription to Syllabus Magazine, go to:
<http://subscribe.101com.com/syllabus/Magazine/NewFree/default.asp>.

Job Openings

The University of Oklahoma Medical Center, Family Medicine Clinic

- Assistant Professor

The University of Oklahoma Medical Center, Everett Tower

- Assistant or Associate Professor
- Assistant Professor

The University of Oklahoma Medical Center, Children's Hospital

- Clinical Assistant Professor

The University of Oklahoma College of Pharmacy, Schusterman Center, Tulsa

- Special Programs Coordinator
- Clinical Assistant Professor
- Clinical Assistant Professor
- Clinical Assistant Professor
- Assistant Director of Experiential Education

The University of Oklahoma College of Pharmacy, Oklahoma City

- Multimedia Education Specialist
- Assistant or Associate Professor
- Research Technician
- Research Assistant II
- Clinical Pharmacist
- Assistant/Associate Professor

Eckerd Drug Company

- Pharmacist
- Pharmacy Technician

Wal-Mart Stores, Inc

- Staff Pharmacist