



The University of New Mexico

THE UNIVERSITY OF NEW MEXICO ? HEALTH SCIENCES CENTER  
**COLLEGE OF PHARMACY**



# *Lobo Pharmacy Central*

*Volume 1, Number 7 (October 2003)*

## **DEAN'S MESSAGE**



The academic year has begun with a flurry of activity on the part of our students and student services staff. Our students have conducted cholesterol screenings at two Albuquerque locations in the past month, participated in Immunization Day at the State fair and attended the NMSHP Student Day at the Balloon Fiesta meeting. Members of our staff have been busy on the recruiting trail with visits to San Juan Community College, Las Cruces and two events on Main Campus. They have trips planned to UNM-Taos, UNM-Los Alamos, Santa Fe Community Day and UNM-Valencia in the next month. In addition, our first experience with the web-based application service, PharmCAS (Pharmacy College Admission Service), began this month and we have 28 early decision applicants. These are individuals who have applied for entrance for Fall 2004 by September 1, 2003 and are committed to enrolling with us if we accept them. Because of the rapid growth of student and staff activities, I have initiated the recruitment of two important faculty positions so that the College can optimally serve our current and prospective students. The first faculty position that we are recruiting for is the Director of Student Services. This individual will be charged with coordinating our recruiting activities, admissions processes, career counseling, student organizations and establishing pre-

pharmacy societies at four year and community colleges throughout New Mexico. The second position will be a new Assistant Dean position for External Programs. My vision is that this faculty member will be responsible for all experiential education in the College as well as strategic initiatives in pharmacy practice in New Mexico. In this new role, the individual who is recruited will work closely and collaboratively with the New Mexico Pharmaceutical Association, New Mexico Society of Health System Pharmacists, New Mexico Department of Health, University of New Mexico School of Medicine and College of Nursing to identify and prioritize strategic practice initiatives for pharmacists in the state. I am very excited about the contributions that will be made by both of these new faculty members. I need your feedback and thoughts as we proceed into the future with excitement and enthusiasm. Please feel free to contact me at [jpieper@salud.unm.edu](mailto:jpieper@salud.unm.edu) or (505)272-3241.

Dean John A. Pieper

## **CALENDAR**

**October 3, 2003, 2-5pm**, COP Open House

**October 3, 2003, 6-8pm**, Reunion Revelry – COP Alumni, Southwest Carnival Tent, University Stadium

**October 3, 2003, 8-10pm**, Masquerade Ball – COP Alumni, Southwest Carnival Tent, University Stadium

**October 4, 2003, 6pm,** Homecoming Football Game, UNM Lobos vs. Utah State, University Stadium

**October 5, 2003, 1-6:30pm,** New Mexico Society of Health-System Pharmacists (NMSHP) Annual Meeting, Student Program, Courtyard by Marriott Journal Center

**October 6, 2003, 4pm,** Toxicology Seminar, Dr. Xian Chen, Los Alamos National Laboratory, "Proteomics: A systematic approach for the new generation of drug design," B15

**October 6-7, 2003,** NMSHP Annual Meeting & Balloon Fiesta Symposium, Courtyard by Marriott Journal Center

**October 7, 2003, 7am,** COP Alumni Breakfast, NMSHP Annual Meeting

**October 7-9, 2003,** APhA-ASP Patient Counseling Competition Preliminary Round

**October 10, 2003, 10am,** COP Staff Council, B15

**October 17, 2003, 12-5pm,** Early Decision Program interviews, COP

**October 22, 2003, 10am-2:30pm,** COP Career Fair, NRPH Lounge

**October 23, 2003, 8:30am-4:30pm,** COP Executive Advisory Board, HSSB 316

**October 24, 2003, 10am,** COP Staff Council, B15

**October 27, 2003, 4pm,** Toxicology Seminar, Dr. John Groopman, Johns Hopkins Bloomberg School of Public Health, "Strategies for biomarker validation: aflatoxin as a paradigm," B15

**October 30, 2003, 4-6pm,** Native American Pharmacy Advisory Board, COP

**November 2-5, 2003,** American College of Clinical Pharmacy (ACCP) Annual Meeting, Atlanta, GA

**November 11-14, 2003,** APhA-ASP Patient Counseling Competition Final Round

**November 14, 2003, 5pm,** Phi Lambda Sigma Society Initiation, NRPH Auditorium

**December 7-11, 2003,** American Society of Health-System Pharmacists (ASHP) Annual Meeting, New Orleans, LA

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### PHARMACIST CLINICIAN

The State of New Mexico has one of the most progressive pharmacy practice acts in the United States. Currently, all pharmacists actively licensed in New Mexico have the ability to administer immunizations (both children and adult) and to provide emergency contraception without the order of a physician. In order to provide these services, the pharmacist must provide the Board of Pharmacy (BOP) with documentation of completion of a BOP approved certificate-training program and have a protocol approved by the BOP.

In addition to the above, New Mexico enacted the "Pharmacist Prescriptive Authority Act". This act grants pharmacists that have met the requirements of a "pharmacist clinician" prescriptive authority according to a BOP approved protocol or guideline. Prescriptive authority means the authority to prescribe, administer, monitor or modify drug therapy. Monitoring drug therapy involves the following: obtaining patient medical and medication histories, ordering and interpreting pertinent laboratory studies, and measuring routine vital signs and, if necessary, performing appropriate physical examination procedures.

In order to become certified as a pharmacist clinician, pharmacists must meet one of the following requirements:

1. If the applicant is an actively licensed pharmacist, achievement of national certification as a physician assistant; *or*
2. Satisfactory completion of an academic curriculum which includes a minimum of sixty (60) hours of physical assessment training followed by nine (9) months of supervised clinical experience involving assessment skills (all Pharm.D. graduates); *or*
3. Satisfactory completion of a 60-hour physical assessment course approved by the Board and a 150-hour, 300 patient contact preceptorship supervised by a physician and approved by the Board, and achievement of a passing score as defined by the Board on an appropriate exam approved by the Board; *or*
4. If the applicant is certified by the Indian Health Service's Pharmacist Practitioner Program, documentation of 600 patient contacts within the past two years as a pharmacist practitioner, accompanied by a supporting affidavit from the supervising physician.

Therefore, all Doctor of Pharmacy graduates from the University of New Mexico College of Pharmacy are eligible to become pharmacist clinicians based on criteria #2 above. In addition to the above requirements, a certified pharmacist clinician seeking to exercise prescriptive authority must submit an application to the BOP. The application must include the supervising practitioner's name and current medical license, prescriptive guidelines or protocol and other information requested by the Board. An application for pharmacist clinician certification can be obtained at the New Mexico BOP website <http://www.state.nm.us/pharmacy/pcailladobe.pdf>.

The guidelines or protocol must include the following:

1. Name of the practitioner authorized to prescribe drugs and name of the pharmacist clinician;
2. Statement of the types of prescriptive authority decisions the pharmacist clinician is authorized to make, including, but not limited to:
  - a. types of diseases, drugs or drug categories involved and the type of prescriptive authority authorized in each case;
  - b. procedures, decision criteria or plan the pharmacist clinician is to follow when exercising prescriptive authority;
3. Activities to be followed by the pharmacist clinician while exercising prescriptive authority, including documentation of feedback to the authorizing practitioner concerning specific decisions made; documentation may be made on the prescriptive record, patient profile, patient medical chart or in a separate log book;
4. Description of appropriate mechanisms for reporting to the supervising practitioner; and
5. Description of the scope of practice of the pharmacist clinician.

A pharmacist clinician may prescribe controlled substances, provided that a New Mexico Controlled Substances registration and a Drug Enforcement Agency registration have been obtained and controlled substances prescribed are within the parameters of written guidelines or protocols.

Currently there are approximately 100 pharmacist-clinicians that are certified with the BOP. These clinicians are practicing in a multitude of healthcare environments, such

as long term care (nursing homes), institutional (hospital), physician offices, and community pharmacies. There is currently no additional fee to apply for pharmacist clinician certification. However, pharmacist clinicians must renew their license annually and are required to obtain an additional 10 hours of annual continuing education (either American Council of Pharmaceutical Education approved or Category I of the American Medical Association approved live continuing education) in addition to the 15 hour annual requirement for active pharmacist licensure. The New Mexico Pharmaceutical Association's website has more detailed information regarding the pharmacist clinician regulations and also has several examples of pharmacist clinician protocols posted [http://www.nm-pharmacy.com/pharmacist\\_prescribing.htm](http://www.nm-pharmacy.com/pharmacist_prescribing.htm).

National Pharmacy Week  
October 19-25, 2003  
Pharmacists:  
Helping People Make  
the Best Use of Medicine

### *UNM RURAL HEALTH INTERDISCIPLINARY PROGRAM*

An interesting and unique experience available to UNM COP students is the UNM Rural Health Interdisciplinary Program (RHIP). The RHIP, entering its thirteenth year of existence, is funded through a federal grant made available through HRSA's Bureau of Health Professions. The RHIP was developed to provide interprofessional educational experiences for health professional students on the UNM Health Sciences Center campus. The RHIP program experience, which lasts 7 months (January through July), consists of a spring semester and summer experiences. During the spring semester, students meet on campus every Friday afternoon for 3 hours and use a problem based learning (PBL) educational method centered around patient cases to develop skills and appreciation for

an interdisciplinary model of health care problem solving. During the summer months, students are assigned to one of six rural communities across New Mexico or in one of two Albuquerque-based groups and are completing their clinical or practicum experiences. The participating rural communities include Las Vegas, Taos/Espanola, Farmington, Gallup/Grants, Silver City, and Roswell. The Albuquerque groups were developed for students who still wanted the interdisciplinary team experience but could not leave the Albuquerque area during the summer months. Students in the Albuquerque groups complete their clinical rotations in underserved areas of Bernalillo, Tarrant or Sandoval counties. During the summer months, students meet once a week in their respective interdisciplinary community groups to discuss and solve interdisciplinary PBL patient cases or to develop and implement community projects such as health fairs. The rural component of the Program provides rural communities an opportunity to recruit and retain graduating students as health care providers.

Every year, up to ninety students from twelve different professional programs participate in the Program. UNM students and programs represented in the RHIP include dental hygiene, masters in public health, medical laboratory science, medicine, nursing, occupational therapy, pharmacy, physical therapy, physician assistant, and speech pathology. Respiratory therapy students from Albuquerque TVI and social work students from NM Highlands University also participate. Since the Program's inception in 1991, more than 500 students have received interdisciplinary training, including over 125 pharmacy students.

For the previous 3 years, pharmacy student participation in the program has averaged 20 students per year. Pharmacy students can join the Program in the spring semester of their third professional year. Selection into the Program is based on student interest in participating in an interdisciplinary team, interest in rural health and willingness to

attend and complete all RHIP program meetings and requirements. Participating students can receive up to 2 credit hours of professional electives for the spring semester portion of the Program. Students also receive a housing and travel stipend for their participation in the Program during the summer months.

The College's recent ACPE accreditation team visit report recognized the Rural Health Interdisciplinary Program. "The model interdisciplinary education opportunities that exist currently for pharmacy students to interact with their counterparts in medicine, nursing, respiratory care, social work, physical therapy, occupational therapy and others, both on campus and in the co-provision of rural care" is a programmatic strength. If you are currently a third-year student and are interested in participating or if you are an alum or preceptor who might be interested in having a student complete a rural rotation at your site in one of the regional areas listed above or would like to attend one of the interdisciplinary PBL group sessions, please contact Dr. Matthew Borrego at [borrego@unm.edu](mailto:borrego@unm.edu) or 505-272-5945. Dr. Matthew Borrego serves as the UNM College of Pharmacy faculty representative to the Rural Health Interdisciplinary Program.

### *UNM RADIOPHARMACY CONTINUING EDUCATION GOES ELECTRONIC*

The UNM Radiopharmacy Continuing Education program is now available online. This program is designated by the Board of Pharmaceutical Specialties as the sole provider of continuing education for recertification requirements for the nation's estimated 1,000 nuclear pharmacists.

A customized database, developed by Kristina Wittstrom, COP Lecturer, in conjunction with HSC Library and Informatics Center programmers, contains 32 monographs representing 75 continuing education credits. It is anticipated that this

electronic program will reduce/eliminate the manual handling of the monographs, Scantron and certificates. In addition, the subscribers will have instant access to monographs, online assessments and immediate certificates of completion. The system will also maintain individual records and streamline reporting processes to both ACPE and the BPS.

This site may be reviewed at <http://www.hsc.unm.edu/pharmacy/radiopharmacyCE>. For additional information, please contact Jeff Norenberg, Pharm.D., 272-8101 or Kristina Wittstrom, 272-3661.

### *WALGREEN'S PATIENT CARE CENTER*

Walgreen's Patient Care Center (PCC) held an open house on September 29, 2003. Denise Cuellar, COP Faculty Practitioner, is the PCC Director. The PCC, in conjunction with the COP, provides cognitive services by a board certified pharmacist and pharmacy students. The goal of the PCC is to empower patients to self-manage their disease state(s). The services are performed by one-on-one patient interactions and intensive medication review management. In addition, pharmacy students conduct interactive group discussions on various health care topics. The Center is located at the Walgreens on the corner of Eubank and Menaul, and is open Monday-Friday, 8:00am-5:00pm and by appointment.

Walgreens Patient Care Center CARES:

- Counsel
- Assess
- Recommend
- Educate
- Self-Manage



l-r: Pharm.D. student Angie Tran, Pharm.D. student Samareh Javadian, Denise Cuellar, R.Ph., Jim Meadows, & Buffie Saavedra

### New Address

New Mexico Board of Pharmacy  
 111 Lomas Blvd. NW, Suite 410  
 Albuquerque, NM 87102  
 505-841-9102

## COLLEGE HIGHLIGHTS

### FACULTY NEWS

Denise Cuellar, R.Ph., MBA, has been elected to serve as a member-at-large on the American Pharmacists Association Academy of Pharmacy Practice and Management (APhA-APPM) Specialized Pharmaceutical Services Section. This Section serves pharmacists with interests in providing pharmaceutical care or any of its components beyond traditional institutional and community drug distribution. The Section's members are direct and non-direct patient care providers and include those who practice in the areas of academia, home health care, hospice care, industry, and prescription compounding.

### FOCUS ON FACULTY

Jerry Born, Ph.D., is Assistant Dean for Academic Programs and Professor of Medicinal Chemistry. Dr. Born is originally from Beloit, KS, and received his B.S. in pharmacy from the University of Kansas and his Ph.D. in medicinal chemistry from the University of Iowa. Prior to joining the COP in 1977, Dr. Born served on the faculty at Butler University College of Pharmacy. His research interests have involved both the analysis of drugs in biological tissues and fluids, and the synthesis of both stable and radioactive compounds. Dr. Born's current research efforts involve the synthesis of a potential AH receptor ligand and the development of HPLC techniques for the analysis of various drugs. He has served on several campus and COP committees including, UNM Athletic Council, UNM Academic Freedom and Tenure Committee, Faculty Senate Graduate Committee and Curriculum Committee, and the COP Curriculum Committee. Dr. Born is married to Marilyn and they are the parents of three daughters, two of whom are COP alumni. In his spare time, Dr. Born enjoys his two grandsons, restoration of a two-door 1950 Fleetside Deluxe Chevrolet, and trap shooting.

### FOCUS ON STAFF

Sandy Dunaway is a Research Specialist in the lab of Dr. Scott Burchiel. She received both a B.S. and M.S. in Biology from New Mexico Tech. Sandy's research in Dr. Burchiel's lab involves a study to test the effects of certain environmental chemicals, specifically Benzo[a]Pyrene, on the immune system. Benzo[a]Pyrene is an environmental pollutant formed through the combustion of fossil fuels. Individuals are exposed to this pollutant through cigarette smoke, eating charbroiled foods, and skin contact with soot and tars. The information gathered from these experiments will be used to help ascertain mechanistic properties associated with immune function in humans. Sandy has one daughter, Brige', and in her

spare time she enjoys reading and forensic science.

### STAFF NEWS

Julia Buckelew, Certified Clinical Research Associate, retired on September 30, 2003. Julia had been with the College's VA for the Good Clinical Practices Monitoring Unit contract since November 1995. She is planning to continue working as a Clinical Research Associate on a consulting basis. This contract, under the auspices of the VA Cooperative Studies Program and with funding from NIDA, has provided for clinical site visits for the last eight years at selected VA Hospitals in the U.S. and Puerto Rico.

Congratulations to Gayle (Garcia) Quezada on her recent marriage to Frank Quezada. Gayle is the pharmacy student education coordinator in the COP Experiential Program.

Brad Ferran, Accounting Tech, has left the College for a position with the Drug Enforcement Agency.

### GRADUATE STUDENT NEWS

Congratulations to Toxicology Ph.D. candidates Andrew Annalora and Drew Burdick for winning the top two research awards at the Mountain West Society of Toxicology (MWSOT) meeting in Breckenridge, CO, Sept. 18-19. Andrew was recognized for the top poster presentation, "Expression, purification, characterization and mutation of rat cytochrome P450C24 (CYP24)." He works in the lab of Dr. Craig Marcus. Drew was recognized for the top platform presentation, "Redox-cycling benzo(a)pyrene (BAP) metabolites activate the EGF receptor in human mammary epithelial cells through the production of hydrogen peroxide." He works in the lab of Dr. Scott Burchiel.

### FOCUS ON STUDENTS

Kelly (Kolinsky) Hoggatt is a third-year Pharm.D. student. One reason she chose pharmacy is that pharmacy is her family line. Kelly's grandfather, father, aunt, and uncle work or have worked for Hoffman La Roche Pharmaceutical Company as pharmaceutical scientists. Kelly's father is currently serving his 32<sup>nd</sup> year with the company. Kelly's first experience with pharmacy was when her dad took her to his lab when she was five years old. Kelly has been interested in pharmacy ever since this visit. The other reason she chose pharmacy is the wide variety of choices the profession has to offer from clinical pharmacy to education to the legislative arena.

Kelly has been involved in the following College activities: Phi Lambda Sigma Leadership Society – President; APhA-ASP Membership Vice President; NMPHA Public Relations Committee; APhA-ASP Chapter President; COP Curriculum Committee; First Year Class President; SRC Secretary; Kappa Psi and ASHP. She has received the following honors and awards: APhA-ASP Senior Achievement Award; McKesson President Award; Dean's Honor Roll – all semesters of pharmacy school; Phi Kappa Phi Honor Society and Golden Key Honor Society.

After graduation Kelly plans to serve a pharmacy practice residency in Albuquerque. She plans to remain active as an alumnus of the College and also plans to remain active in the New Mexico Pharmaceutical Association and the American Pharmacists Association. Kelly's husband will be completing a UNMH urology residency at the same time she completes her residency. Kelly would like to become a pharmacy lobbyist and someday hold an office on the board of the American Pharmacists Association. She also plans to teach and practice clinical pharmacy at a college of pharmacy.

The following is Kelly's advice to students: "First and foremost take pride in your

College of Pharmacy. Second, always stay active in local and national pharmacy organizations to make the most out of your pharmacy education and career. Finally, do not be the person who passively sits back and lets someone else revolutionize the future of pharmacy. Have a voice, because without one, the future may not be what you desire.”

## STUDENT NEWS

### ASHP

Congratulations to the new ASHP Student Forum secretary, Danielle Mollet! Members should submit their points to her mailbox. If you are still interested in joining the American Society of Health System Pharmacists, it's not too late! Contact Michael Faithe or Gretchen Ray for an application.

Upcoming ASHP events:

- Chapter meeting-October 2, 12-1:00pm, room B15.
- The Annual ASHP clinical skills competition will take place on October 7, 5-7:00pm in the student lounge. The sign up sheet is located outside the glass case in the basement. You do not need to be a member of ASHP to participate. The winner receives an all expense paid trip to the Mid-Year Clinical meeting in New Orleans to compete nationally!

### SRC

The SRC, Student Representative Council, is a student-run organization that represents the College of Pharmacy student body. The SRC represents the students by: acting as liaison between the students and the faculty and Dean's office; addressing student problems and concerns by notifying and working with the appropriate personnel; organizing and raising funds for graduation banquets; and organizing and promoting the Facts and Comparisons book sale and the

promotion of COP activities. The SRC helps organize and support the student organizations with College of Pharmacy sponsored events such as the Vials of Life and Career Fair. This year the SRC plans to organize the student-counseling workshop to help prepare students for experientials. The Welcome Back Picnic, which took place in September, was organized by the SRC. Students from each class, faculty, staff, children, and even prospective students enjoyed the last days of summer at the picnic. A special thank you goes to John Alvis and Wal\*Mart for sponsoring this special event. Thank you to Dr. Donald Godwin, Julie Moss, Layla Benavidez, Patrick Benavidez, Katie Christensen and her husband, Deborah McNutt, Mike Monske, and Jennifer Griego for all their help.

### Kappa Psi

Kappa Psi Pharmaceutical Fraternity, Inc., is the world's oldest and largest pharmacy fraternity. There are currently 70 collegiate and 43 graduate chapters in the U.S. and Canada. Kappa Psi is the "unity" of people from diverse backgrounds and ethnicity that share the profession of pharmacy coming together to form a unified brotherhood. The primary principles of a Kappa Psi brother are: Fellowship, Scholarship, Sobriety, and High Ideals.

Kappa Psi offers several opportunities to participate in community projects. Kappa Psi brothers have participated in the annual AIDS walk, Habitat for Humanity, Big Brothers/Big Sisters, and the collection of items to donate to the homeless. In addition, Kappa Psi offers academic support to all its members. There are a lot of fun activities, events, and times to relax that range from bowling to planned parties. Finding a balance between work, school and leisure time is what Kappa Psi attempts to accomplish. Monthly events are posted on the College's web page under the Kappa Psi link:

<http://hsc.unm.edu/pharmacy/CurrentStudents/kappapsi.shtml>

The current officers are:

Regent: Diana L. Gabaldon  
First Vice-Regent: Jake Hurt  
Second Vice-Regent: Jennifer Short  
Treasurer: Dave Harris  
Corresponding Secretary: Stacey  
Thompson  
Recording Secretary/Historian:  
Candice Lipcaman  
Sergeant-At-Arms: Michelle  
Martinez  
Chaplain: Kelly Lewellen  
Academic Coordinator: Ken Cooper

### **APhA-ASP**

The APhA-ASP Patient Counseling Competition is designed to encourage pharmacy students in their efforts toward becoming better patient educators. The preliminary round consists of a simple patient counseling scenario. The student receives a patient script, a patient profile and a number of reference materials. The student has 5 minutes to study these materials before the mock patient enters the scenario. The student then has 5 minutes to counsel the patient on the script provided. The counseling session is videotaped; and ten finalists are selected by a panel of judges. The top 10 finalists compete in the final rounds which represent more challenging patient counseling scenarios. The winner of the local competition will compete in the National Patient Counseling Competition at the APhA Annual Meeting. For information on this year's competition, contact Katie Gruchalla - [kgruchalla@salud.unm.edu](mailto:kgruchalla@salud.unm.edu).

### PICNIC



Wal\*Mart Welcome Back Picnic



l-r: Steve Lincoln, John Alvis, David Badeen, Dean John Pieper, Pharm.D. student Layla Benavidez, Pharm.D. student Amber Swanson, Hiram Mojica, and John Callahan