

ACCP Report

American College of Clinical Pharmacy

Mary T. Roth, Pharm.D., M.H.S., FCCP; Editor
Michael S. Maddux, Pharm.D., FCCP; Executive Director

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Marinac Joins ACCP as Director of Research

Jacqueline Marinac, Pharm.D., BCPS, has been named ACCP Director of Research following an extensive national search. Dr. Marinac will join the ACCP staff on August 20. She will serve as the chief operations officer for the ACCP Research Institute, promoting communication between the Research Institute Board of Trustees and the ACCP Board of Regents, and directing and supervising the Research Institute staff. In addition, she will oversee the creation of new College initiatives that facilitate investigator development, including investigator education and training programs within the Research Institute and the ACCP Academy.

Dr. Marinac received her bachelor of pharmacy degree, doctor of pharmacy degree, and residency training certificate from the University of Utah. She completed a Pharmacokinetic Fellowship at the Laboratory of Applied Pharmacokinetics in Los Angeles, California, and a Cardiovascular Pharmacokinetic Fellowship at the University of Colorado in Denver. Dr. Marinac has served on the faculty of the University of Missouri-Kansas City School of Medicine and on the faculty of the Kansas City University of Medicine and Biosciences. She also worked for Pfizer, Inc. as a clinical education consultant where she was primarily engaged in clinical outcomes research and quality of care protocol design and analyses. Most recently, Dr. Marinac was the Associate Dean for Academic Affairs and Education, and Professor of Pharmacology at the Kansas City University of Medicine and Biosciences.

"I'm excited about the forthcoming launch of ACCP's investigator development programs and the opportunity to establish de novo solutions that will address what I believe is a seriously unmet need within the clinical pharmacy community," Marinac commented. "As a past ACCP research grant recipient, I have a true appreciation for the meaningful role that ACCP can play in an investigator's career. It is a distinct honor for me to serve the College as its Director of Research."

A board certified pharmacotherapy specialist, Dr. Marinac has been an active member of ACCP since 1986 and has served on ACCP committees, as a speaker in the cardiology section of the ACCP Pharmacotherapy Preparatory course, and as a contributor to ACCP publications. She has received numerous research grants, published regularly in peer-

reviewed journals, and frequently presented the results of her research at ACCP national meetings.

"We are thrilled to have Jacque joining the ACCP senior staff and leading the College's new research and investigator development efforts," noted ACCP Executive Director Michael Maddux. "She brings a wealth of research and leadership experience to this position, both from an academic and a pharmaceutical industry perspective. In addition, as a longstanding member of the College, she shares our organizational and professional core values."

Jacque lives in the Kansas City Metropolitan area with her husband, Kenneth Walters. They have two children: Isabella, age 11, and Nicholas, age 9.



Get a Head Start on Finding This Year's Best Positions and Applicants

Participate in the Annual ACCP Recruitment Forum in Denver

Are you seeking a new position? Looking for the perfect candidate to fill a position? Look no further than the ACCP Recruitment Forum. Held during the ACCP Annual Meeting, this session offers potential employers and applicants a chance to meet in a relaxed environment. This year's Recruitment Forum will be on Sunday, October 14, from 2:00 p.m. to 5:00 p.m. at the Hyatt Regency Denver, the Annual Meeting's headquarters hotel.

Get a head start on your search by visiting the Recruitment Forum Web site

http://www.accp.com/meetings/am07/recruitment_forum.php today. Applicants may post their profiles on a secure, password-protected site. This profile includes the applicant's background as well as the type of position being sought. Employers participating in the Recruitment Forum may log-

in to view applicant profiles and look for individuals who may be a good match for an existing or future position.

Employers can post their available positions through the online position listings Web site <http://www.accp.com/reconlin.php> for a minimal fee. Listings run for 60 days and are accessible 24/7 to both ACCP members and nonmembers. Applicants are encouraged to check the online position listings often, as new positions are added daily. By using the contact information provided, applicants and employers can connect before meeting face-to-face during Denver's Annual Meeting.

In Denver, employers are asked to be at their institution's table for the entire 3 hours of Sunday's Recruitment Forum, allowing applicants an opportunity to stop by and visit briefly with representatives to learn more about available career opportunities. Employers will have access during the Recruitment Forum to a booklet that includes all applicant profiles, and applicants will have a listing of all employer institutions, their geographic locations, and their designated Forum table numbers. Maintaining this low-key environment helps facilitate an open, relaxed atmosphere for both employers and applicants, allowing them to get a head start in finding the perfect position-candidate "match." To register for the Recruitment Forum, visit the ACCP Web site at <http://www.accp.com/am>. All Recruitment Forum participants must be registered for at least 1 day (Sunday) of the Annual Meeting. Register by August 31 for maximum savings on your registration!

ACCP Elects 2007 Fellows

Twenty ACCP members have been elected Fellows of the American College of Clinical Pharmacy and will be recognized during a special ceremony on October 14 at the College's 2007 Annual Meeting in Denver, Colorado. Recognition as a Fellow is awarded to ACCP members who have demonstrated a sustained level of excellence in clinical pharmacy practice and/or research. Fellows can be recognized by the initials "FCCP" as part of their title. The 2007 ACCP Fellows are:

Rita R. Alloway, Pharm.D.; Cincinnati, OH
Oralia V. Bazaldua, Pharm.D.; San Antonio, TX
Donna G. Beall, Pharm.D.; Missoula, MT
Kathryn V. Blake, Pharm.D.; Jacksonville, FL
Patrick G. Clay, Pharm.D.; Kansas City, MO
Kim C. Coley, Pharm.D.; Pittsburgh, PA
Vicki L. Ellingrod, Pharm.D.; Ann Arbor, MI
Jean-Venable R. Goode, Pharm.D.; Richmond, VA
John G. Gums, Pharm.D.; Gainesville, FL
Teresa B. Klepser, Pharm.D.; Portage, MI
Y.W. Francis Lam, Pharm.D.; San Antonio, TX
Edith A. Nutescu, Pharm.D.; Chicago, IL
Patricia L. Orlando, Pharm.D.; Salt Lake City, UT
Robert L. Page, II, Pharm.D.; Denver, CO
Beth Bryles Phillips, Pharm.D.; Athens, GA
Cynthia A. Sanoski, Pharm.D.; Philadelphia, PA
Marisel Segarra-Newnham, Pharm.D.; West Palm Beach, FL
Kathleen A. Snella, Pharm.D.; Columbia, MO
Annie Wong-Beringer, Pharm.D.; Arcadia, CA
G. Christopher Wood, Pharm.D.; Memphis, TN

After nomination by their colleagues, Fellow candidates undergo a comprehensive and rigorous evaluation by the Credentials: Fellowship Committee of their practice and/or research accomplishments. Among the criteria evaluated by the committee are examples of patient care service or educational programs developed by the nominee; certifications or other credentials earned; drug therapy management responsibilities; educational presentations; consultancies; service to publications; original research presentations, projects, funding, and publications; and other awards. Persons nominated as a Fellow also must have made a substantial contribution to ACCP through activities such as presentations at College-sponsored meetings; service as an abstract, Research Institute, or *Pharmacotherapy* reviewer; contributions to College publications; service as a committee member; or tenure as a Practice and Research Network, chapter, or other elected ACCP officer.

Report of the Nominations Committee

The Nominations Committee has recommended the following slate of candidates. Elections will occur in spring 2008, and successful candidates will assume office at the 2008 ACCP Annual Meeting in Louisville, Kentucky.

President-Elect:

James Tisdale, Pharm.D.; Indianapolis, IN
Gary Yee, Pharm.D.; Omaha, NE

Secretary:

Donald Brophy, Pharm.D.; Richmond, VA
Julie Wright, Pharm.D.; Kansas City, MO

Regent:

Marcia Buck, Pharm.D.; Charlottesville, VA
David Lourwood, Pharm.D.; Poplar Bluff, MO
Henry Mann, Pharm.D.; Minneapolis, MN
Robert Parker, Pharm.D.; Memphis, TN

Research Institute Trustee:

Cab Bond, Pharm.D.; Amarillo, TX
David Burgess, Pharm.D.; San Antonio, TX
Courtney Fletcher, Pharm.D.; Denver, CO
Jimmi Hatton, Pharm.D.; Lexington, KY

Additional nominations may be made in writing to the Secretary of the College: Mary T. Roth, ACCP, 13000 W. 87th Street Parkway, Lenexa, KS 66215. Nominations must state clearly the qualifications of the candidate, must be signed by at least 48 Full Members (1% of eligible Full Members), and must be submitted no later than September 14, 2007.

Respectfully submitted,

Ralph Raasch, Chair; Kathy Bungay, Tracy Hagemann,
Robert MacLaren, Amy Schwartz, Kevin Sowinski, Kathleen
Stringer.

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ACCP to Offer Online Curriculum Vitae Review Program

Are you a student pharmacist preparing to take your next career steps? Perhaps you've set your sights on a residency position or identified the ideal job and plan to immediately enter the work force. In May's issue of *The ACCP Report*, ACCP President Stuart Haines points out that the growth in the number of residency positions has not kept pace with the number of applicants. As the profession continues to see an increase in demand for residency positions and in competition for first-rate jobs, it is vital that you have an effective curriculum vitae (CV). Your CV will create a positive image of you to a future selection committee or employer, and distinguish you from the crowd.

You may have questions as you're preparing your CV. Once you've finished, wouldn't it be nice to have a seasoned professional review it for you? Look no further than ACCP. Beginning this September, the College will roll out the **ACCP Online Curriculum Vitae Review Program**. This program is a service offered exclusively to ACCP student members to facilitate their curriculum vitae preparation. Students will be invited to submit a CV online as a Microsoft Word document. The submitted CV will be randomly assigned to an ACCP member reviewer who will provide comments and/or edits using the track changes feature in Microsoft Word. The student will receive an e-mail message containing feedback from the reviewer within 10–14 days. The CV review Web site will also feature a 30-minute presentation designed to students prepare a CV, as well as a few "curriculum vitae pearls" to help students gain practical insights as they seek to develop and format their CVs. For more information on the ACCP Online Curriculum Vitae Review Program, please visit the StuNet Web site (<http://www.accp.com/stunet/>) in September.



ACCP Silent Auction Now Available Online!

There's a new twist to this year's ACCP Research Institute Silent Auction. Whether or not you're planning to attend the ACCP Annual Meeting in Denver, you now have the opportunity to bid online for the items you want. Visit accpri.cmarket.com to learn more and to preview the many fantastic items already available.

Online bidding will extend from September 7 through October 5. For most items, those bids made online will carry over to the live Silent Auction to be held on October 15 in conjunction with the ACCP Annual Meeting in Denver; however, a few items will be available only to online bidders.

Really interested in an item but not able to attend the Annual Meeting? Not to worry. You can use a special online feature called "Absentee Bidding," and one of your fellow ACCP members will bid on your behalf during the October 15 Silent Auction, up to your predetermined limit.

Really, really interested in an item and don't want to run the risk of being outbid? Opt to "Buy it Now" online at the designated price, and it's guaranteed to be yours.

Also, it's not too late to donate items to be included in this year's auction. And you don't have to be at the Annual Meeting to help out. Be creative. Share your hobby with your fellow ACCP members, host a golf outing, or donate that timeshare week. Wine or regional foods are always popular, or just use your imagination to come up with that perfect item to donate. Too shy to share any of your creative masterpieces? Cash contributions of at least \$100 will be used to obtain gift items for the evening's raffles.

Return the form below by e-mail to Robert Elenbaas, ACCP Special Projects Consultant, at relenbaas@accp.com if you can help.

Your name:
Item(s) to be donated:
Brief description of item(s):
Item's \$ value:

The ACCP Research Institute Silent Auction and PRN Reception is one of the highlights of the College's Annual Meeting. So mark your calendar for Monday, October 15, 8:00 p.m. – 10:00 p.m., and plan for a really good time. But also mark your calendar for September 7 so you can get in on the online action at accpri.cmarket.com!



Washington Report

*C. Edwin Webb, Pharm.D., M.P.H.
Director, Government and Professional Affairs*

Pharmacy Technician Education, Training, and Certification: A Key to the Advancement of Clinical Pharmacy

The issues surrounding the roles, responsibilities, education, training, and regulation of pharmacy technicians—even what to call this type of pharmacy "worker"—have challenged pharmacy for decades.¹ There have been several recent efforts to generate consensus within the profession, such as the 1988 ASHP Invitational Conference, the 1992 APhA

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Stepping Stone Conference, and the 2003 Council on Credentialing in Pharmacy/ACPE Open Hearings. Even with periodic external stimuli such as the 2000 Institute of Medicine report “To Err is Human” and television exposes such as the April 2007 ABC News “20/20” investigative report on community pharmacy practice, a stubborn inertia continues at the present time. Pharmacy, essentially alone among the health professions, has failed to clearly articulate the necessary educational, credentialing, and scope of practice parameters that society can expect from the corps of technical personnel that function within the profession’s various practice settings.

In its 2000 “white paper” on manpower needs² ACCP noted the “uneven preparation” of pharmacy technicians and called for the “recruitment and utilization of well-trained, nationally certified pharmacy technicians who can be deployed in appropriate dispensing roles, under pharmacist supervision.” Since that time, changes in professional education (Pharm.D. as the sole professional degree) and practice opportunities (JCPP 2015 Vision for Pharmacy Practice³, medication therapy management services within Medicare Part D) have served to further advance the pharmacist’s capabilities and involvement in patient care activities while still retaining overall accountability, and usually specific task responsibilities, for prescription order processing and fulfillment in most practice models.

Unfortunately, a similar evolution in the education, training, scope of practice, job responsibilities, and career opportunities has not occurred for pharmacy technicians during that same period. Without substantial reformation of the balance of responsibilities, accountabilities, tasks, and activities within the current and future model of pharmacy practice, neither pharmacists nor pharmacy technicians will be able to effectively and safely meet the full range of medication use and safety needs of the public they serve. In essence, without an expanded, professionally recognized, and standardized role for pharmacy technicians, the comprehensive delivery and impact of clinical pharmacy services is extremely unlikely to be achieved in most pharmacy practice settings.

In 2002, a jointly developed and published paper⁴ provided what remains the most complete and accurate assessment of the state of education, training, and regulation of pharmacy technicians. The paper calls for pharmacy’s leadership to engage in specific discussions on pharmacy technicians in five key areas: (1) vision; (2) roles, responsibilities and competencies; (3) education and training; (4) credentialing and accreditation; and (5) regulation. Five years have passed with essentially no organized effort within the profession to advance its thinking and action in this important area.

Despite this lack of professional dialogue and consensus on the education, training, and scope of practice vision for pharmacy technicians, tremendous growth has in fact occurred in the past 5 years in the number of technicians certified by the Pharmacy Technician Certification Board (PTCB). More than 200,000 individuals have now been certified by PTCB since its inception in 1995, a number that is almost equal to the number of pharmacists in the U.S. This suggests a marketplace phenomenon that has the potential (if it hasn’t already) of overwhelming the discussion

on the other, equally critical, issues identified in the 2002 white paper.

Although ACCP supports and applauds the increased visibility and utilization of PTCB certification, and understands that many technicians currently in practice have significant work-related experience and training that prepared them to be successfully certified, substantial work remains to be done in the other identified areas of pharmacy technician education and training to help ensure an appropriately educated and prepared technical work force in pharmacy now and in the future.

As a result of the leadership of ACCP President Stuart Haines and recent discussions within the Council on Credentialing in Pharmacy, the Board of Regents has adopted the following position statement to make explicit the views of the organization on the issues identified in the 2002 white paper on pharmacy technicians. The board also expresses its commitment to working collaboratively with other interested stakeholders to achieve changes in these key areas that will align with the position and vision of the College in advancing the role of clinical pharmacists in improving the quality, safety, and effectiveness of medication use.

Indeed, ACCP believes that the widespread and successful provision of clinical pharmacy services in all settings of care will require a significant realignment and expansion of the practice activities of both pharmacists and pharmacy technicians. The necessary changes articulated by Dr. Linwood Tice, the visionary pharmacy educator, more than 40 years ago can wait no longer:

“The counting and pouring now often alleged to be the pharmacist’s chief occupation will in time be done by technicians and eventually by automation. The pharmacist of tomorrow will function by reason of what he knows, increasing the efficiency and safety of drug therapy and working as a specialist in his own right.”⁵

1. Anon. Pharmacists for the future: the report of the study commission on pharmacy. Ann Arbor, Mich: Health Administration Press, 1975.
2. Maddux MS, Dong, BJ et al. A vision of pharmacy’s future roles, responsibilities, and manpower needs in the United State. *Pharmacotherapy* 2000;20(8):991-1022.
3. JCPP Vision Statement for Pharmacy Practice. 2005. Available at: http://www.acpe-accredit.org/pdf/CE_Definition_Pharmacy_Final_1006-2007.pdf.
4. Council on Credentialing in Pharmacy. White paper on pharmacy technicians 2002: needed changes can no longer wait. *Am J Health Syst Pharm* 2003;60:37-51.
5. Sonnedecker G, Kremers E. Kremers and Urdang’s History of Pharmacy. 4th ed. Madison, Wis: American Institute of the History of Pharmacy;1976:241.

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Position Statement

Pharmacy Technician Education, Training, and Certification

Terminology:

The American College of Clinical Pharmacy (ACCP) supports the use of the term “pharmacy technician” only for those persons in a pharmacy practice setting who:

- are authorized by both state regulation and employment status to engage in one or more steps in the process of fulfillment of a prescription or medication order;
- have successfully completed an education and training program that is accredited by a nationally recognized accrediting body; and
- are certified by the Pharmacy Technician Certification Board (PTCB).

Education & Training:

ACCP supports the accreditation process for pharmacy technician education and training programs administered by the Commission on Credentialing of the American Society of Health-System Pharmacists (ASHP). Further, ACCP supports a planned, timely transition for the responsibility and process of accreditation of pharmacy technician education and training programs from ASHP to the Accreditation Council for Pharmacy Education.

ACCP supports the use and ongoing refinement of a nationally recognized and standardized model curriculum for all new pharmacy technicians that provides core knowledge, skills, and attitudes delivered through a process of both didactic instruction and practice-based learning experiences.

ACCP supports an expanded role for colleges and schools of pharmacy in the development, standardization, and validation of pharmacy technician education and training programs and encourages their active involvement in facilitating team-based learning opportunities for student pharmacists and student pharmacy technicians.

Certification:

ACCP supports the certification program of the Pharmacy Technician Certification Board and urges its adoption as a required component of the process of credentialing of pharmacy technicians by state and federal regulatory bodies.

Practice Activities:

ACCP supports changes in pharmacy practice regulations that would authorize a system by which pharmacy technicians may engage in a “technician-check-technician” process for prescription/medication order fulfillment. This process must be performed in an integrated fashion with the provision of clinical services, patient education, and patient and health care provider consultation activities by pharmacists that promote the effective and safe use of the medication being dispensed.

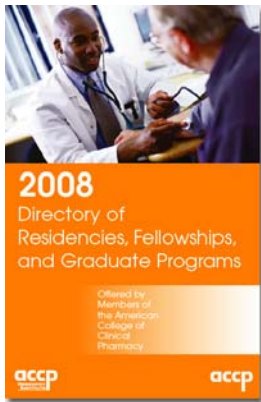
ACCP supports limiting persons who are authorized to be involved in the process of fulfillment of prescription or medication orders (or other appropriate medication-related patient care activities) to personnel who are pharmacists, student pharmacists engaged in introductory and advanced practice experiences of their professional degree program, pharmacy technicians, or student pharmacy technicians.

Licensure and Registration:

ACCP supports the public health and safety role of state boards of pharmacy and encourages the implementation of enhanced, nationally uniform registration and/or licensure procedures for pharmacy technicians that are based on and consistent with the education, training, and certification principles outlined in this position statement.

**Adopted by the Board of Regents of the
American College of Clinical Pharmacy
August 9, 2007**

Call for New and Updated Training Program Directory Listings: Deadline is September 4



The ACCP Directory of Residencies, Fellowships, and Graduate Programs is available both on the Web and in print. The 2008 print directory will be distributed this December to prospective residency, fellowship, and program candidates, and to each U.S. school and college of pharmacy. All ACCP members who serve as principal preceptors of residencies, fellowships, or clinical scientist graduate

degree programs (M.S., Ph.D.) are encouraged to list or update their programs in the directory no later than September 4, 2007.

Responses received by September 4 will be listed in the printed directory. With the assistance of Amgen Inc., this service is provided by the College at no charge to ACCP members. Even if a program is already listed in the directory, the listing will automatically expire if it is not updated annually. All ACCP members have been notified by e-mail and asked to update their listings by verifying accuracy and making any needed changes. This ensures that all listings are correct and up-to-date for prospective applicants who rely on this information. Directory listings that are not updated and verified by the deadline above will be automatically removed from the directory. It's easy to list or update your program. Just follow the instructions below:

- Access the Directory at <http://www.accp.com/resandfel/>.
- To add, edit or delete a listing, go to: <http://www.accp.com/resandfel/>. If you already have a program listed in the current Directory, just open it, make any changes or additions, and resubmit it.
- Forget your password? To use our password reminder system, go to <http://secure.accp.com/source/Library/FindPword.cfm>.

Remember, listings must be added, updated, or deleted by September 4, 2007. If you experience any technical difficulties, or have questions regarding directory updates, please contact Brent Paloutzian at bpaloutzian@accp.com.

New Book Focuses on the Business Side of Clinical Services

College Releases *How to Develop a Business Plan for Pharmacy Services*

Many pharmacy managers and clinicians are responsible for the development of proposals for new pharmacy services, for the expansion of existing services, or even for the continued existence of established services. The importance of planning these events cannot be overemphasized. The

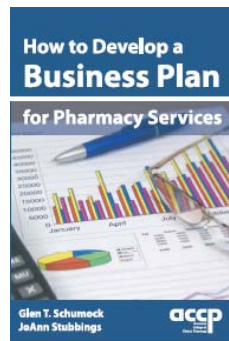
process of taking an objective look at strengths, weaknesses, and opportunities to achieve business goals involves developing a business plan.

The newly released ACCP book, *How to Develop a Business Plan for Pharmacy Services*, provides a valuable resource for planning, developing, launching and evaluating business services for the pharmacy field. A business plan is essential if you are thinking of starting a business, but it is also an important tool for established businesses. Viable businesses are dynamic; they change and grow. A pharmacy service launch or expansion needs a business plan that can be reviewed and revised as new goals are set.

This new book will assist pharmacy clinicians, managers, and leaders in implementing new services and enhancing existing services by providing a systematic approach to the business development process. The materials presented are applicable to pharmacy services in hospitals, community practice, managed care organizations, clinics, and elsewhere. Teachers and students will find the book extremely useful in preparing for real-world practical settings.

Considerably expanded and revised from the earlier edition, key features of the new book include the following:

- In-depth presentation of the general process of business planning.
- Step-by-step analysis and insightful questions presented in a format designed to lead the reader through the business plan development process in a comprehensive fashion.
- Business practice models developed by the American College of Clinical Pharmacy and sample business plans written by students at the University of Illinois based on the instructions provided in this book.
- A companion CD-ROM with financial spreadsheet models and key questions to answer in developing a business plan presented in a workbook format.



About the Authors:

Glen T. Schumock, Pharm.D., M.B.A., FCCP, is an Associate Professor in the Department of Pharmacy Practice and Director of the Center for Pharmacoeconomic Research at the University of Illinois at Chicago.

JoAnn Stubbings, R.Ph., MHCA, is Manager of Research and Public Policy in the Ambulatory Care Pharmacy Department at the University of Illinois at Chicago College of Pharmacy.

How to Develop a Business Plan for Pharmacy Services is available as a softbound text with an attached CD-ROM workbook that includes handy forms and self-assessment questions. The book is available through the ACCP online bookstore at www.accp.com/bookstore.php, or by phone at (913) 492-3311. You can also fax your order directly to ACCP headquarters at (913) 492-0088.

ISBN: 978-1-932658-57-6

Product Code: PD_01HDBP

6" x 9," 304 pages

Member Price: \$39.95

Nonmember Price: \$49.95

Bulk discounts are available

Recipients of 2007 Frontiers Career Development Research Awards

Again this year, the ACCP Research Institute will provide more than \$500,000 dollars in support of clinical pharmacy research and researcher development. Thanks to the generous contributions to the College's Frontiers Fund by nearly 700 ACCP members, several PRNs, and others, this total includes more than \$205,000 in support of this year's Frontiers Career Development Research Awards.

Congratulations to the following 2007 award recipients:

Pharmacodynamic Effects of Low-Dose Pioglitazone in the Metabolic Syndrome—*Christina L. Aquilante, Pharm.D.; University of Colorado at Denver.* The aim of this study is to provide a comprehensive pharmacodynamic assessment of alternative, and safer, TZD dosing regimens for use in high-risk nondiabetic individuals. These investigators hypothesize that low-dose pioglitazone will increase levels of the protective adipocyte-derived cytokine, adiponectin, decrease C-reactive protein levels, and have favorable effects on components of the metabolic syndrome (e.g., insulin sensitivity) in this population.

HIV Positive Women's Interactions With Pharmacy Systems – *Jennifer M. Cocohoba, Pharm.D.; University of California in San Francisco.* Patients with chronic diseases such as HIV/AIDS are at risk of having adverse pharmacy experiences and may be more likely to experience medication errors, privacy violations and drug interactions due to their medication regimens. This will be a nested cohort study within the well-established Women's Interagency HIV Study. It aims to determine how HIV infection influences general patterns of pharmacy use and pharmaceutical care experiences and to evaluate when selected pharmacy use patterns are associated with virologic and adherence outcomes.

Effects of Female Hormones on Hepatic Drug Metabolism: Clinical Implication During Pregnancy – *Hyunyoung Jeong, Pharm.D., PhD.; University of Illinois at Chicago.* Hypothesizing that hormones elevated during pregnancy (estrogen and progesterone) modulate expression of hepatic drug metabolizing enzymes, leading to altered hepatic elimination of drugs, the primary goal of this study is to establish a firm link between the female hormones and altered hepatic elimination of drugs in in-vitro systems and to predict altered pharmacokinetics of drugs during pregnancy using human hepatocytes.

Evaluation of a Novel Charcoal Cookie – *Wendy Klein-Schwartz, Pharm.D., MPH; University of Maryland.* Activated charcoal is most effective in the management of poisonings if administered within one hour of toxin ingestion, but its use in the home is limited by the charcoal slurry's poor palatability. A novel activated charcoal cookie preparation has recently been formulated, and it is this study's aim to determine the relative effect on the absorption of orally administered cimetidine in healthy subjects and to assess the palatability of the charcoal cookie.

Sympathetic Modulation of Outward Rectifier Currents During Atrial Fibrillation – *Brian R. Overholser, Pharm.D.; Purdue University.* The hypothesis is that atrial vulnerability is attenuated by dual I(Ks) and I(Kur) inhibition during sympathetic stimulation following atrial fibrillation. This study will provide fundamental physiological information on the interplay of the outward rectifier currents during adrenergic stimulation, leading to pharmacological strategies to improve AF treatment.

fMRI Imaged Neuroactivation and Craving in Alcoholics Is Modulated by Ondansetron – *Daniel P. Wermeling, Pharm.D.; University of Kentucky.* This multidisciplinary study will determine whether pharmacologic functional Magnetic Resonance Imaging (fMRI) can be a tool to measure cue-induced neuroactivation and alcohol craving in alcoholics, and to determine whether the intravenous (IV) probe medication ondansetron (OND) can acutely modulate these biomarkers.

LXRA Gene Polymorphisms and Response to Fenofibrate – *Issam Zineh, Pharm.D.; University of Florida.* Cardiovascular disease (CVD) exacts tremendous clinical, economic, and humanistic tolls worldwide. Substantial evidence indicates that abnormal lipoprotein levels and inflammation are linked to CVD pathogenesis. This study proposes to identify whether 1) genetic variability in NR1H3 contributes to variable lipoprotein or anti-inflammatory response to fenofibrate; and 2) novel fenofibrate immunomodulatory effects can be demonstrated ex vivo or in vitro, and to what extent these are LXRA-dependent.

Pharmacotherapy Pearls

Call to *Pharmacotherapy* Reviewers to Update Their Areas of Expertise and Contact Information

Wendy R. Cramer, B.S., FASCP
Richard T. Scheife, Pharm.D., FCCP

Our current Web page for reviewers, authors, and editors can be found at www.pharmacotherapy.org and provides access to a link to our sophisticated online manuscript management system called Manuscript Central by ScholarOne, Inc. This new Web-based software allows authors to submit new and revised manuscripts, and allows reviewers to perform their reviews online. In order for the system to work optimally for both reviewers and the journal, it is imperative that the reviewers' areas of expertise, as well as their contact information, be accurate and current.

To this end, we ask that all reviewers for *Pharmacotherapy* update their areas of expertise (choosing as many areas as appropriate) and contact information in our system. To do this, please follow these steps:

1. Go to www.pharmacotherapy.org and click on "Article Submission and Review."
2. Enter your user ID and password into ScholarOne (Manuscript Central) and sign in. If you have forgotten your user ID and password, go to "Password Help" and your ScholarOne user ID and password will be e-mailed to you.

3. Click on "Edit Account" at the top right of the screen.
4. Make the appropriate edits to your areas of expertise and contact data.

We have created just over 100 descriptors of areas of expertise (e.g., anticoagulation, bacterial resistance, acute coronary syndrome) that are representative of our reviewers. These categories are as follows:

ACE inhibitors	Evidence-based medicine
Acute coronary syndrome	Febrile neutropenia
ADHD	Fluids and electrolytes
Administration	Fluoroquinolones
Adverse drug reactions	Forensic medicine
AIDS	Gastroenterology
Allergy	Geriatrics
Alzheimers disease	Glaucoma
Ambulatory	Gout
Aminoglycosides	Headache
Analgesia	Heart failure
Anemias	Hematology
Anesthesiology	Hospice
Anticoagulation	Hypertension
Antiepileptic drugs	Immunizations
Antifungals	Immunology
Antiinflammatories	Industry
Antiplatelets	Infectious disease
Antiretrovirals	Insomnia
Antivirals	Legal
Anxiety	Lipids
ARDS	Liver
Arrhythmias	Lyme disease
Arthritis	Managed care
Asthma	Migraine
Bacterial resistance	Nausea
Biotechnology	Neonatology
Bioterrorism	Neurology
Bipolar	Neuromuscular-blocking agents
Botulism	Neuropathy
Breastfeeding	Neurosurgery
Burns	Nuclear medicine
C-reactive protein	Nutrition
CAD	Obesity
Cardiology	Oncology
COPD	Ophthalmology
Community practice	Outcomes
Complementary and alternative medicine	Parkinsons disease
Computer technology	Patient safety
Contraception	Pediatrics
Critical care	Peptic ulcer disease
Cytochrome P450	Pharmacodynamics
Dementia	Pharmacoeconomics
Depression	Pharmacogenomics
Dermatology	Pharmacokinetics
Diabetes	Pharmacology
Dialysis	Pharmacy education
Drug abuse	Pharmacy practice
Drug information	Pregnancy
Drug safety	Psychiatry
Endocriniology	Public health
Epidemiology	Pulmonary
Ethics	Quality of life

Renal	Study design
Restless leg syndrome	Surgery
Septic shock	Thrombocytopenias
Sickle cell	Thyroid
Smoking cessation	Toxicology
Spinal cord and brain injury	Transplant
Statistics	Travel Medicine
Stereoisomers	Urology
Steroids	Vancomycin
Stroke	Womens Health

This maneuver will help to ensure that you receive papers in your specific areas of expertise. We appreciate your taking the time to update this information.

Update Your ACCP Contact Information Online

Have you recently graduated from pharmacy school? Or perhaps you've just completed your residency or fellowship training and are preparing to start a new job. Or maybe you've recently changed positions. Whatever the case, this change probably necessitated a new mailing address, phone number, and/or e-mail address. Now is an ideal time to log on to the ACCP Web site and update your contact information.

Keeping your member record up to date maximizes your ACCP membership experience and ensures that you continue to receive important member services, including access to electronic PRN listserv messages, your monthly issue of *Pharmacotherapy*, notification about important legislation affecting clinical pharmacy, and much more. Keeping your member record current also enhances your networking ability because other ACCP members can identify you in the Membership Directory based on name, state/province, country, practice/research interest area, and PRN membership.

Updating your member record is fast and easy. Simply log on to the ACCP Web site at <http://secure.accp.com> and click on your name on the left. Updating your profile also provides an excellent opportunity to determine when it will be time to renew your ACCP membership. Verify the term of your current membership by logging on to the Web site (<http://secure.accp.com>). If you don't know your ACCP log-in and password, please contact ACCP staff at accp@accp.com or (913) 492-3311.

Awards, Promotions, Grants, etc.

J. Lyle Bootman, Ph.D., Sc.D, Dean of the University of Arizona College of Pharmacy, received the ASHP Award of Excellence for his leadership in enhancing public awareness of the need for improved medication management**Steven Chen**, Pharm.D., and **Jeffrey Goad**, Pharm.D., MPH, BCPS, were each recently appointed to the rank of Associate Professor of Clinical Pharmacy and Pharmaceutical Economics and Policy at the University of Southern California School of Pharmacy....**Steven Dunn**, Pharm.D., BCPS, has been appointed Adjunct Assistant Professor at the University of Kentucky College of Pharmacy.... **William McIntyre**,

Pharm.D., Director of the University of Arkansas Area Health Education Center-Southwest, recently graduated from the Arkansas State Chamber of Commerce's inaugural Leadership Arkansas class **Mark Munger**, Pharm.D., FCCP, Associate Dean for Academic Affairs at the University of Utah College of Pharmacy, has been named to the ACA/AHA Task Force on Practice Guidelines: Guideline for Management of Patients with Stable Ischemic Heart Disease (SIHD).... **Frank Romanelli**, Pharm.D., MPH, BCPS, Assistant Dean for Education at the University of Kentucky College of Pharmacy, was recently recognized as the Phi Lambda Sigma National Advisor of the Year....**Melody Ryan**, Pharm.D., BCPS, received the University of Kentucky's Michael J. Lach Award for Innovative Teaching....**Kelly Smith**, Pharm.D., Associate Professor of Pharmacy Practice and Science at the University of Kentucky College of Pharmacy, was recently granted tenure.... **Stephanie Sutphin**, Pharm.D., has been appointed Adjunct Assistant Professor at the University of Kentucky College of Pharmacy....**Vincent Tam**, Pharm.D., BCPS, Assistant Professor of Clinical Sciences and Administration at the University of Houston College of Pharmacy, will serve as Co-principal Investigator on a National Science Foundation 3-year Grant for \$377,860 to study Development and Experimental Testing of a New Approach to Modeling the Effect of Antimicrobial Agents on Heterogeneous Microbial Populations....**Annie Wong-Beringer**, Pharm.D., has been promoted to Vice Chair of the Department of Clinical Pharmacy and Pharmaceutical Economics and Policy at the University of Southern California School of Pharmacy.

New Members

Ahmad Abdrabboh	Sandra Discala
Soad Aboulhosn	Brenda Dobson
Tania Ahuja	Sanaa Dredar
Christina Aladro	Johanna Ellerup
Semiu Alli	Eric Farmer
Michelle An	Julianna Fernandez
James Baker	Mitchell Fingerhut
Almasa Bass	Jacob Frick
Kathryn Beavers	Stephanie Friedman
Allison Bell	Megan Friedrich
Dustin Bezy	Rachel Gainsbrugh
Ann Biehl	Elizabeth Gelber
Laura Bowers	Joanne Goralka
Lisa Brennan	Eric Greenberg
Jennifer Burgess	Adam Gregg
Jill Butterfield	Holly Gurgle
Lindsay Case	Ashley Hall
Nicholas Castro	Andrew Hall
Amanda Chan	Robert Hallisey
Mandelin Cooper	Leslie Hamilton
Patrick Corbett	Pamela Hite
Marcus Costner	Kelly Hodges
Erin Crisson	Crystal Hoffman
Rabih Dabliz	Erica Horinek
Marsha Daniel	Donard Donna Huynh
Sarah Davis	Amy Kendrick
Beth Dinges	Nasreen Khan

Julie Kim
Yvonne Knox
Robyn Kondrack
Laura Krugger
Gretchen Kummer
Phebe Kwon
Deborah Laird
Quan Li
John Lindsley
Anna Markel
Marilyn Matthews
Andrea McPheron
Jamie Miller
Mark Miller
Sean Mirk
Laura Moretti
Erin Myers
Bryan Nguyen
Phung Nguyen
Marina Nikolavsky
Michael Paquette
Christine Parker
Avani Patel
Dimple Patel
Dimple Patel
Sheetal Patel
Amy Paver
Amanda Peffer
Amy Perpich
Nathan Pinner
Ruth Pinney
Ming Poi
Radhika Polisetty
Vanessa Prorowicz
Jill Randolph
Paula Rhodes
Denise Riccobono
Treavor Riley
Gretchen Roeger
Paul Rozzero
Kate Schemmel
Gwen Schroeder
Andrew Seger
Gretchen Seibold
Andrea Seitzman-Siegel
Ryan Shields
Rebecca Simons
Rebecca Sowell
Kristin St. John
Corey Stad
Robert Stanton
Jessica Stovel
Habib Sultan
Megan Swingle
Sara Szafran
Mohammad Tabrizi
Kimberly Tamura
Brandi Thoma
Joyce Totton
Theresa Utrup
Chenita White
Traci White

The Following Members Recently Advanced from Associate to Full Member

Jaspreet Bains
Jeffrey Bonner
Jarrod Brubaker
Loretta Chiu
Timothy Clark
Odette DeGuzman
C. Andrew DeRyke
Lisa Edgerton
Bonnie Falcione
Stefanie Ferreri
Myke Green
Kelly Guhr
Thomas Jacobsen
Janell Krack
Jeffrey Lombardo
Susanne Moadebi
Brady Moffett
Michael Nash
LeAnn Norris
Katherine Orr
Todd Rowland
Helena Tang

New Member Recruiters

Many thanks to the following individuals for recruiting colleagues to join them as ACCP members:

Teena Abraham
Teresa Lynn Anderson-Haag
Nannette Berensen
Evangelina Berrios-Colon
Amie Blaszczyk
Jill Burkiewicz
Amy Dill
Robert Dupuis
Brian Erstad
Pamela Foral
Stephen Fuller
Jason Hawkins
Van Hoang
Kenneth Kenyon
Julie Kissack
David Knoppert
Jeff Kuper
W. Greg Leader
Jacquelyn LeBlanc
Ann Lloyd
Robert MacLaren
Kelly Matsuda
Cara McDaniel
Mimi Meeks
Sheyla Orenge
Kathryn Rice
Jackie Roh
Christopher Scott
Edward Sheridan
Stephen Stoner
Lauren Trilli
Caroline Zeind

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