

# ACCP PRN Report

American College of Clinical Pharmacy

Vol. 14, No. 2; Fall 2011

## PRESIDENT'S COLUMN

*William A. Kehoe, Pharm.D., FCCP, BCPS  
ACCP President*



### ACCP on the Move

I just returned from a talk that I did this evening for our students about credentials, postgraduate training, and board certification.

Student members of the Northern California College of Clinical Pharmacy chapter asked me to do this for the entire University of the Pacific School of Pharmacy student body. Mostly first-year students attended the talk. I'm not sure if I was the draw or if it was the pizza and extra course credit one professor offered. It doesn't really matter because I'll take an overflow crowd any way I can get it. But you can tell who's genuinely interested when the question and answer time begins. The really "hard-core" students came up after the talk and asked even more questions. I think a lot of them got the idea and maybe even caught the vision I was trying to project. They asked the right questions. But just like in the rest of the pharmacy profession, there are believers and non-believers within the student ranks. Only time will tell who will take this stuff seriously.

I'm sitting here now thinking about the last conversation that I had tonight before leaving campus. A student told me that clinical pharmacists in some places she's seen are now able to "do the same things as nurse practitioners." In fact, to her, that seemed a good direction to go. It took me a minute to collect my thoughts and respond. After all, many nurse practitioners do things like prescribe and manage therapy that seem exciting. And that does bring up a good point—as health care continues to evolve, it seems likely that patients will be cared for by teams made up of clinicians who bring specific skills to the table, including pharmacists and nurses. So no, we

don't want to replace anyone, but rather, we see clinical pharmacists as the best-prepared clinicians to manage complex medication issues. We ended the conversation with her asking me how I know clinical pharmacists are the best prepared and should be the ones hired to do medication management. It's a good question and one that our colleagues in other disciplines are asking. In other words, what are your "credentials"?

This year, ACCP has done a lot to move the conversation along about credentials and certification. We have worked with the Board of Pharmacy Specialties (BPS) to expedite the development of new certifications, and working with other organizations as potential co-petitioners, we have asked BPS to explore establishing certifications in critical care and pediatrics. After taking these steps, we hope BPS will consider other new specialties, including cardiology, infectious diseases, and organ transplantation. As evidenced by the recent involvement of the ACCP PRNs in critical care, pain and palliative care, and pediatrics, PRN members will be important participants in this process. We'll need your expertise in helping with the development of preliminary requests for new specialty consideration to BPS and (if BPS grants these requests) role delineation studies. In fact, we'll be talking with PRNs about this issue at the upcoming annual meeting in Pittsburgh during the PRN officers meetings, during the PRN business meetings, and in other venues.

We're also making strides in the area of positioning clinical pharmacists to assume more responsibility for medication management. And we're addressing this issue on several fronts. This year, our Task Force on Residencies is completing work on a white paper about PGY2 residency training, accreditation standards, and post-residency board certification. Based on the findings noted in the task force's paper, expect to see the Board of Regents putting some new ideas on the table in the near future with respect to PGY2 training. Our Certification Affairs Committee is writing an editorial that argues why today's clinical pharmacists

should be recognized as credible providers of direct patient care who can optimize complex medication therapy. In this editorial, the authors address the credentials that clinical pharmacists bring to the health care team. Our Publications Committee has also bundled currently available ACCP papers, with appropriate cover letters, to disseminate to external audiences in promoting the roles of today's clinical pharmacists in health care. These are going to be helpful tools. But we've got to do more to avoid preaching to the choir.

This year, ACCP developed and published its 2011–2012 Advocacy and Communications Platform (see <http://www.accp.com/docs/about/ACCP%20Advocacy%20Platform%202011-2012.pdf>). It's ambitious, and a major part of the platform involves our interface with external audiences such as physician and payer groups to promote clinical pharmacy. Ed Webb and John McGlew, based in our Washington D.C. office, are leading the charge. In fact, they've successfully initiated many of these conversations already. Our Political Action Committee (PAC) is up and running, too. I'd encourage all members to support the PAC—please visit <http://accpaction.org> for more information. The Advocacy and Communications Platform, together with the PAC, gives us the tools we need to begin meaningful dialogue that will move clinical pharmacy forward. But even these are not enough.

One thing the student said tonight keeps nagging at me. She said, basically, “where's the proof” that organizations should hire clinical pharmacists as the health professionals to optimize medication management? OK, to an extent, she had me in a corner. There are some data available documenting the value of clinical pharmacy services, but we need more. That's where the Research Institute comes in. The vision of the RI Board of Trustees is that the Practice-Based Research Network will, in part, generate data documenting the value of clinical pharmacists. There are two ways for ACCP members to help in this effort. You can join the PBRN and get involved in these studies as they are implemented. And if you're a researcher, you can also access the PBRN to seek its participation in studies of your own that address the value of clinical pharmacists. Finally, don't forget that you can support the Research Institute through your donations.

So, according to its strategic plan, the College is moving ahead to develop, advance, and position clinical pharmacists. The PRNs play an important role in each of these efforts. However, it will take all ACCP members working together to move our agenda forward. I appreciate all that the ACCP PRNs and members do for the College, and I'm looking forward to seeing many of you in Pittsburgh.

## PRN ELECTIONS

### PRN Election Results Announced



Recently, members voted for their choice of future leaders for their respective practice and research networks (PRNs). Please join ACCP in recognizing both newly elected members and those continuing to serve their respective PRNs in the coming year.

### 2011–2012 PRN Officers

*Adult Medicine:* Nancy Yunker, Chair; Jessica A. Starr, Chair-Elect; Matthew J. Pike, Secretary/Treasurer

*Ambulatory Care:* Candice L. Garwood, Chair; Daniel Longyhore, Chair-Elect; Brian Irons, Secretary; Shawn McFarland, Treasurer

*Cardiology:* Orly Vardeny, Chair; Paul P. Dobesh, Chair-Elect; Mary Parker, Secretary/Treasurer

*Central Nervous System:* Julie Kissack, Chair; Jack J. Chen, Chair-Elect; Collin A. Hovinga, Secretary/Treasurer

*Clinical Administration:* Suzanne Wortman, Chair; Harminder Sikand, Chair-Elect; Charlene A. Hope, Secretary/Treasurer

*Critical Care:* Jeremy Flynn, Chair; Stacy A. Voils, Chair-Elect; April D. Miller, Secretary/Treasurer

*Drug Information:* Michael Gabay, Chair; Jen Phillips, Chair-Elect; McKenzie Ferguson, Secretary/Treasurer

*Education and Training:* Maria C. Pruchnicki, Chair; Samantha Karr, Chair-Elect; Brenda L. Gleason, Secretary/Treasurer

*Emergency Medicine:* Kevin Rynn, Chair; Nicole M. Acquisto, Chair-Elect; Asad Patanwala, Secretary/Treasurer; Wichitah Leng, Media Chair

*Endocrine and Metabolism:* Daniel Riche, Chair; Jennifer Clements, Chair-Elect; Nicole R. Pinelli, Secretary/Treasurer

*Geriatrics:* Olga Hilas, Chair; Gregory J. Hughes, Chair-Elect; Matthew Cantrell, Secretary/Treasurer

*GI/Liver/Nutrition:* Joseph V. Ybarra, Chair; Rima Mohammad, Chair-Elect; Pramodini Kale-Pradhan, Secretary/Treasurer

*Health Outcomes:* Fred Doloresco, Chair; James Nash, Chair-Elect; Radha Manian, Secretary/Treasurer

*Hematology/Oncology:* Leann Norris, Chair; Rebecca J. Fahrenbruch, Chair-Elect; Salvatore M. Bottiglieri, Secretary/Treasurer

*Immunology/Transplantation:* Steven Gabardi, Chair; Angela Q. Maldonado, Chair-Elect; Jennifer Trofe-Clark, Secretary/Treasurer

*Infectious Diseases:* Jason Gallagher, Chair; Jessica Cottreau, Chair-Elect; Rod Quilitz, Secretary/Treasurer

*Nephrology:* Heather Nyman, Chair; Mariann Churchwell, Chair-Elect

*Pain and Palliative Care:* Richard E. Wheeler, Chair; Mary Lynn McPherson, Chair-Elect; Karen F. Marlowe, Secretary/Treasurer

*Pediatrics:* Kelly S. Bobo, Chair; Hanna Phan, Chair-Elect; Audrey Kennedy, Secretary/Treasurer

*Pharmaceutical Industry:* Alicia Reese, Chair; Rachel Couchenour, Chair-Elect; Sandra Chase, Secretary/Treasurer

*Pharmacokinetics/Pharmacodynamics:* Chee Ng, Chair; Varsha Bhatt-Mehta, Chair-Elect; Kuo Yang, Secretary/Treasurer

*Women's Health:* Sarah Shrader, Chair; Sarah McBane, Chair-Elect; Deborah Sturpe, Secretary/Treasurer; Kayce Shealy, Public Policy Liaison

## PRN FOCUS SESSIONS

### PRNs to Present Educational Focus Sessions at the Annual Meeting in Pittsburgh, Pennsylvania

ACCP PRNs consistently develop high-quality educational sessions for each ACCP meeting. That tradition of excellence will continue this fall in Pittsburgh, Pennsylvania. A complete listing of PRN focus sessions follows.

#### Monday, October 17, 2011

**1:30 p.m.–3:30 p.m.**

*Cardiology PRN and American Heart Association Focus Session – The “Me” Generation of Healthcare: Personalized Medicine in Cardiovascular Disease.*

*Drug Information PRN Focus Session – Drug Information Education in the Pharmacy Curriculum.*

*Immunology/Transplantation and Nephrology PRNs' Focus Session – Long-term Management of the Renal Transplant Recipient.*

*Pharmaceutical Industry, Hematology and Oncology, and Pain and Palliative Care PRNs' Focus Session – The Role of Clinical Pharmacists in Risk Evaluation and Mitigation Strategies (REMS) Programs.*

*Women's Health PRN Focus Session – Bringing Sexy Back...Updates on Women's Health Focusing on Contraception and Sexually Transmitted Infections.*

**3:45 p.m.–5:45 p.m.**

*Clinical Administration PRN Focus Session – Core Measure Competencies, Black Box Warnings and REMS...Oh My!*

*Critical Care PRN and Society of Critical Care Medicine Focus Session – Sedation and Delirium in the ICU: Update on the Status of the 2011 SCCM Guidelines.*

*Endocrine and Metabolism PRN Focus Session – Rapid Clinical Pearls and a Clinical Debate in Endocrinology and Metabolism.*

*Geriatrics PRN Focus Session – Geriatric Assessment: A Focus on Medications and Falls.*

*Pediatrics PRN Focus Session – Staying Ahead of the Curve: Contemporary Dosing Strategies in Infectious Disease.*

#### Tuesday, October 18, 2011

**10:15 a.m.–11:45 a.m.**

*Critical Care PRN Focus Session – Adverse Drug Events in the ICU: Learn Using High Fidelity Patient Simulation Cases.*

*Pharmaceutical Industry and Endocrine and Metabolism PRNs' Focus Session – Too Big, Too Small, Just Right: Dosing Issues in Obesity.*

**1:15 p.m.–3:15 p.m.**

*Adult Medicine Focus Session – Update on Anticoagulant Use in Stroke Patients.*

*Infectious Diseases PRN Focus Session – Infectious Diseases 102: Applying the Basics to Clinical Practice.*

*Pharmaceutical Industry and Pharmacokinetics/Pharmacodynamics PRNs' Focus Session – Pharmacometrics in Drug Development and Research.*

**1:30 p.m.–4:30 p.m.**

*Immunology Transplantation PRN and American Society of Transplantation Focus Session – Symposium on the Management of Complications After Organ Transplantation.*

*Nephrology PRN Focus Session – AKI in the ICU: The Roles of Medication and CRRT.*

**3:30 p.m.–5:30 p.m.**

*Ambulatory Care PRN Focus Session – New Developments in Hypertension and Dyslipidemia Management.*

*Central Nervous System PRN Focus Session – Management of the Patient with Traumatic Brain Injury.*

*Education and Training PRN Focus Session – Pharmacy Teaching in Experiential Settings: Considerations for Introductory Practice Experiences.*

*GI/Liver/Nutrition PRN Focus Session – Contemporary Issues in the Management of Total Parenteral Nutrition.*

## **PRNs TO HOST BUSINESS MEETINGS AND NETWORKING FORUMS AT 2011 ANNUAL MEETING**



ACCP PRNs provide a focal point for clinical pharmacists with common interests and needs in practice, research, and education. Each PRN hosts a business meeting and networking forum at the Annual Meeting. All meeting registrants are invited to attend these events.

**Monday, October 17, 2011: 6:00 p.m.–9:00 p.m.**

Westin Convention Center Pittsburgh Hotel

**Ambulatory Care – Allegheny Grand Ballroom II**

Participants will join colleagues for an interactive, informative, yet fun-filled 1½ hours, with several activities designed to provide updates on the state of affairs of the Ambulatory Care PRN, introduce participants to their fellow PRN members, and disseminate recent pertinent information from the ambulatory care clinical world. Members will not want to miss this forum. Grab a friend and come on out for food, fun, and informative entertainment.

**Central Nervous System – Cambria East**

Please join the CNS PRN for a business meeting and research presentation, followed by a networking session. Light snacks and beverages will be provided.

**Clinical Administration – Fayette**

Anyone interested in issues related to clinical leadership and practice management is cordially invited to join this PRN business meeting and networking forum. Refreshments will be provided.

**Critical Care – Allegheny Grand Ballroom III**

Join us for the Critical Care PRN networking forum/business meeting and interact with colleagues while you enjoy hors d'oeuvres and beverages. Presentations will include a summary of PRN activities, reports from officers, and the Resident/Fellow Research Travel Award.

**Drug Information – Cambria West**

The Drug Information PRN will hold a business meeting and networking forum for current and prospective members. The meeting will include an update of PRN activities as well as provide an opportunity to meet the officers and other PRN members and become involved with the PRN.

**Education and Training – Allegheny Grand Ballroom I**

After our business meeting, a brief discussion on interviewing skills will take place. Clinical faculty and practitioners from around the nation will then conduct practice interviews for students getting ready to apply for jobs or residencies and for residents and fellows getting ready to apply to their first career positions. All educators, students, and postgraduate trainees are invited to attend. Supported in part by Auburn University Harrison School of Pharmacy and Samford University McWhorter School of Pharmacy.

**Health Outcomes – Washington**

Please join us for a networking meeting and planning session for next year's continuing education program.

**Hematology/Oncology – Westmoreland Central**

The Hematology/Oncology PRN business meeting and networking forum will meet to discuss the past year's introduction of the new PGY2 Oncology Pharmacy Resident of the Year Award, the Student/Resident Travel Awards, and the pharmacogenomics opinion paper. The new officers will be introduced, and volunteers for committee work will be solicited.

**Immunology/Transplantation – Butler**

Please join the Immunology/Transplantation PRN for its business meeting and networking forum. Anyone who is interested in transplantation is welcome to attend. The business meeting will consist of installing new officers, discussing current and future PRN initiatives, and honoring the recipient of our PRN Resident/Fellow Travel Award. The meeting will conclude with a debate by current transplant specialty residents on a current transplantation issue. Supported in part by a grant from Astellas Pharma Global Development.

**Pharmaceutical Industry – Somerset**

The PRN is looking forward to reconnecting with colleagues and welcoming new friends in an informal networking forum. Highlights will include the announcement of new officers and PRN committee updates.

### **Women's Health – Westmoreland East**

The Women's Health PRN will hold a networking forum for current and prospective members. The business meeting will include an update of PRN activities and initiatives as well as an opportunity to become involved in the PRN and meet others with interests and practices in women's health. Members of the PRN help build one another's careers. Come network! Appetizers and non-alcoholic beverages will be provided.

**Tuesday, October 18, 2011: 6:00 p.m.–9:00 p.m.**

Westin Convention Center Pittsburgh Hotel

### **Adult Medicine – Allegheny Grand Ballroom III**

During this business and networking meeting, current and prospective members will have an opportunity to meet, sign up for committees with the PRN, and exchange ideas. The business meeting will consist of installing new officers and discussing current and future PRN initiatives.

### **Cardiology – Allegheny Grand Ballroom II**

Join us for the Cardiology PRN business meeting, followed by research presentations by current residents and fellows. An informal reception will then ensue, allowing networking with new and old members, members collaborating on PRN-related projects, and trainees looking for job opportunities. Supported by a grant from Otsuka America Pharmaceutical, Inc

### **Emergency Medicine – Westmoreland East**

Please join the Emergency Medicine PRN for its business meeting and networking forum; members and interested meeting attendees are welcome. The business meeting will include an update of PRN activities and initiatives, as well as an opportunity to become involved in the PRN. There will also be a presentation titled "Lipids, Not Just for Breakfast Anymore" by Renee Petzel, Pharm.D., which will be available for 1 hour of continuing pharmacy education credit. Light hors d'oeuvres and beverages will be provided.

### **Endocrine and Metabolism – Butler**

The Endocrine and Metabolism PR will hold a business meeting and networking forum to solicit membership and enhance resident/student participation. The scheduled activities include a roundtable discussion and the PRN's annual business meeting, with a planned networking event to follow.

### **Geriatrics – Fayette**

Join the Geriatrics PRN business meeting for an informal reception of networking, planning, and socializing. All who are interested in the care of geriatric patients are welcome.

### **GI/Liver/Nutrition – Westmoreland Central**

The meeting will consist of PRN-related business and will include networking opportunities in addition to a presentation of a resident or fellow research project.

### **Infectious Diseases – Allegheny Grand Ballroom I**

Please join us for the Infectious Diseases PRN business meeting and networking forum.

### **Nephrology – Cambria East**

All ACCP members interested in nephrology are invited to attend and participate in this networking forum. There will be a brief business report and a discussion of current and future projects and initiatives, followed by open discussion and networking opportunities. Snacks and beverages will be provided.

### **Pain and Palliative Care – Cambria West**

Please join the Pain and Palliative Care PRN for a brief meeting and an opportunity to network with colleagues. An update on the status of BPS role delineation for pain and palliative care certification will be provided. All ACCP members with an interest in pain and palliative care are invited and encouraged to attend.

### **Pediatrics – Somerset**

Join the Pediatrics PRN for light refreshments, networking, and a lively discussion on the Collaboration Committee's white paper on pediatrics as a pharmacy specialty and the progress on potential pediatrics board certification.

### **Pharmacokinetics/Pharmacodynamics – Washington**

Please join us for the Pharmacokinetics/Pharmacodynamics PRN business meeting and networking forum. The highlight of this event will be the research presentation given by M. Kelli Jordan, the ACCP Travel Award winner.

## **PRN NEWS BRIEFS**

### **Adult Medicine**

The Adult Medicine PRN would like to recognize and congratulate the following members on their notable accomplishments:

**Suzanne B. Wortman** was honored with the 2010–2011 APPE Institutional Preceptor of Year by Lake Erie College of Medicine.



**Nancy Toedter Williams** was honored as a fellow of the American Society of Health-System Pharmacists during the society's summer meeting in Denver.

**Beth Resmen-Targoff** was named the 2011 Oklahoma Society of Health-System Pharmacists Pharmacist of the Year.

**Scot Walker** was named Head of Facts & Comparisons as the Clinical Director. Previously responsible for the clinical team, formulary monograph service, and patient education used in Medi-Span and Facts & Comparison, he now leads all editorial and content staff.

#### Publications:

**O'Connell MB**, Borgelt LM, Bowles SK, Vondracek SF. Drug-induced osteoporosis in the older adult. *Aging Health* 2010;10:501–18.

Colon-Emeric C, **O'Connell MB**, Haney E. The osteoporosis piece of the multi-morbidity puzzle. *Mt Sinai Med J* 2011;78:515–26.

Chotiyaputta W, Peterson C, Ditah FA, **Goodwin D**, Lok AS. Persistence and adherence to nucleos(t)ide analogue treatment for chronic hepatitis B. *J Hepatol* 2011;54:12–8.

Hu KQ, Pan CQ, **Goodwin D**. Barriers to screening for hepatitis B virus infection in Asian Americans. *Dis Sci* 2011; Aug 23. [Epub ahead of print]

#### Presentations:

**Beth Resmen-Targoff** provided three interviews this year for a podcast series titled "From Principle to Practice: Interprofessional Perspectives on Early RA. What Do the Updated RA Classification Criteria Mean for You?" This is a CME/CE-accredited activity through the Center for Independent Healthcare Education.

#### Ambulatory Care

The Ambulatory Care PRN continues to thrive with a membership of more than 1,300 members. Some notable achievements of individuals from the Ambulatory Care membership during the past year are noted below.

#### Promotions:

Candice Garwood was promoted to Associate Professor (Clinical) at Eugene Applebaum College of Pharmacy and Health Sciences at Wayne State University.

Jennifer Goldman-Levine was promoted to Professor of Pharmacy Practice at Massachusetts College of Pharmacy and Health Sciences.

Sally Haack was promoted to Associate Professor of Clinical Sciences at Drake University.

Sarah Westberg was promoted to Associate Professor at the University of Minnesota College of Pharmacy.

#### Awards:

Nicole Culhane and a colleague won the 2011 Maryland HealthCare Hero Award for the Community Outreach Category for a Public Health Initiative called AdvoCaring.

Daniel M. Riche won the ACCP New Clinical Practitioner of the Year Award for 2011.

Betsy Blake was awarded the Clinical Practice Teaching Award from the University of South Carolina this past spring. This was the first year for the award, which is the first nontenure-track teaching award for faculty at USC.

Julie Bartell was selected for the Young Pharmacist of the Year Award from the Pharmacy Society of Wisconsin.

#### Grants:

Peggy Kuehl is Director for the UMKC Community Residency Program, which was awarded one of three Community Pharmacy Residency Program grants of \$50,000 from the NACDS Foundation for the Red Cross Pharmacy location.

#### Publications:

M. Shawn McFarland:

- Cripps RJ, Gourley ES, Johnson W, Cassidy R, Morgan TC, Venugopal D, **McFarland MS**. An evaluation of diabetes-related measures of control after 6 months of clinical pharmacy specialist intervention. *J Pharm Pract* 2011;24:332–8.
- **McFarland MS**, Brock M, Ryals C. Place in therapy for liraglutide and saxagliptin for type 2 diabetes. *South Med J* 2011;104:426–39.

Eric Jackson:

- Trojian TH, **Jackson E**. Omega-3 polyunsaturated fatty acids and concussions: treatment or not? *Curr Sports Med Rep* 2011;10:180–5.

Martha Stassinis:

- Publication: *Women's Health Across the Lifespan. A Pharmacotherapeutic Approach*. Bethesda, MD: American Society of Health-System Pharmacists, 2010. Cowrote chapter on obesity

- PSAP Module on Men’s and Women’s Health 2010. Expert reviewer.

Craig Williams:

- Pignone M, **Williams CD**. Aspirin for primary prevention of cardiovascular disease in diabetes mellitus. *Nat Rev Endocrinol* 2010;6:619–28.

Kassandra Bartelme:

- **Bartelme KM**, Ticcioni AJ, Janke KK. Providing health care service-learning experiences for IPPE credit. *Innov Pharm* 2011;3:1–5.

Robert Hutchison:

- **Hutchison RW**, Govathoti DA, Fehlis K, et al. Improving severe sepsis outcomes. *Dimen Crit Care Nurs* 2011;30:277–82.

Andrew J. Smith:

- Patterson ME, Blalock SJ, **Smith AJ**, Murray MD. Associations between prescription copayment levels and beta-blocker medication adherence in commercially insured heart failure patients. *Clin Ther* 2011;33:608–16.
- Roberts S, Crigler J, Lafferty W, Bonham A, Hunter J, **Smith AJ**, Banderas J, Early G, King R. Addressing social determinants to improve health care quality and reduce cost. *J Healthc Qual*. In press.

#### New ACCP Fellows:

- Brian Irons, Pharm.D.; Lubbock, TX
- Grace Kuo, Pharm.D., MPH; La Jolla, CA
- Leigh Ann Ross, Pharm.D.; Jackson, MS

#### Other Notable Achievements:

- **Martha Stassinis** was appointed to represent pharmacy on the Women Veterans Health Care Committee for the Veterans Administration of Northern California in August 2011. In addition, she was awarded 0.2 FTEs to serve as Women’s Health Consultant to Providers throughout the Veterans Administration of Northern California.
- **Steven M. Riddle** was elected ASHP Chair for the Section of Ambulatory Care Practitioners.
- **Andrew J. Smith** earned Added Qualifications in Cardiology.
- **Scot Walker** became Head of Facts & Comparisons. He was previously responsible for the clinical team for Facts & Comparisons, formulary monograph service, and patient education used in Facts & Comparisons and Medi-Span. He is now leading all editorial and content staff.

- **Maria M. Claudio** presented a lecture to the Greater New York Hospital Association on the success of the pharmacy-managed heart failure clinics she implemented on reducing the rates of CHF-related readmissions.

#### Caption Study:

Barry Carter is the principal investigator on a large, multicenter study titled “Collaboration Among Pharmacists Physicians to Improve Outcomes Now” (CAPTION). The purpose of this study is to evaluate whether a collaborative model between physicians and pharmacists can improve BP control in several primary care medical offices with diverse geographic and patient characteristics and whether long-term BP control can be sustained. A description of the study was published in *Circulation: Cardiovascular Quality and Outcomes* in 2010, volume 3, pages 418–23. The following PRN members are serving as site investigators for this 27-site study:

Adrienne Ables	Grace Kuo
Julie Adkison	Debra Lopez
Oralia Bazaldua	Eric MacLaughlin
Lori Dickerson	Elizabeth Musil
Rebecca Edwards	Margie Perez-Padilla
Roberta Farrah	Kelly Ragucci
Jennifer Goldman-Levine	Sarah Shrader
James Hoehns	Jeri Sias
John Holmes	Renu Sing
Timothy Ives	John Tovar
Eric Jackson	CoraLynn Trewet
Mark Jones	

#### Ambulatory Care Seed Grant Research Report:

Laura Perry was the recipient of the ACCP Ambulatory Care PRN Seed Grant in 2010. Below is an abstract describing her research and preliminary results.

#### The Impact of a Pharmacist-Run Diabetes Self-Management Program on Patient Self-Management Activation and Healthy Behavior in an Underserved Patient Population

Laura Perry, Pharm.D., BCPS, Tonya Dauterman, Pharm.D., Lori Ernsthause, Pharm.D., BCPS, Debra Parker, Pharm.D., BCPS; Jenifer Kitchen, Tom Kahle, Peter Samberg, Brett Christy, Pharm.D. Candidates

Background: The Wood County Health Department (WCHD) in Bowling Green, Ohio, has recently established a pharmacist-physician diabetes collaborative practice clinic as a part of the Patient Safety and Clinical Pharmacy Services Collaborative (PSPC), a program developed by the Health Resources and Services Administration (HRSA) division of the U.S. Department of Health and Human Services.

Currently, the WCHD is the only clinic in the area providing services to the uninsured and the facility lacks a standardized diabetic education program. Additionally, few studies have been published assessing patient activation or stages of change in diabetes patients. The aim of this project is to investigate the impact of a pharmacist-run diabetes self-management training program on patient activation, behavior, and glycemic control.

**Methods:** Enrollment was through referral by the nurse practitioner at the WCHD. The program included four monthly pharmacist-run diabetes self-management educational sessions, free of expense. Each session consisted of a didactic lecture and an active learning break out in the form of a support group. The curriculum was designed to meet the standards set by the American Association of Diabetic Educators (AADE) and the AADE7 Self-Care Behaviors framework (healthy eating, physical activity, medication taking, monitoring, problem-solving, healthy coping, and reducing risks). After the four monthly sessions, a follow-up support group will be held at six months, followed by an observational period and final support at 12 months. The primary outcome of the investigation is the Patient Activation Measure (PAM), a reliable and valid measure of patient self-reported knowledge, skill, and confidence for self-management. Secondary endpoints will be change in healthy behavior, change in HbA1c, and patient satisfaction. Primary and secondary end points have been measured at baseline and will be measured again at six and 12 months.

**Preliminary Results/Conclusions:** A total of 21 patients were enrolled. Of the patients enrolled 16 had never had any formal diabetic education. Baseline demographics indicate patients enrolled have had diabetes for an average of 8.5 years with an average hemoglobin A1C of 7.0 %. At baseline, 46.7% of patients were at the highest level of activation, indicating they have the knowledge and confidence to take action, but that they have difficulty maintaining activation, while only 14.3% of patients scored at the lowest level of activation, indicating they may not yet believe that they have an important role in their diabetes care. Collection and analysis of six month data is currently taking place. Final data collection and full analysis of primary and secondary endpoints will be completed in February, 2012.

## Cardiology

The Cardiology PRN is pleased to announce the following **upcoming collaborative symposia** for 2011:

1. Cardiology PRN and American Heart Association Focus Session—*The “Me” Generation of Healthcare:*

### *Personalized Medicine in Cardiovascular Disease*

Annual ACCP Meeting, Pittsburgh, PA. Monday, October 17, 2011, from 1:30 p.m. to 3:30 p.m. For more details, please visit: [www.accp.com/meetings/am11/schedule.aspx?mode=detail&i=2034](http://www.accp.com/meetings/am11/schedule.aspx?mode=detail&i=2034)

2. First Pharmacist-Focused Session at AHA. ACCP Cardiology PRN and American Heart Association – *Improving Clinical Outcomes and Patient Safety Through Interventions by Clinical Pharmacists*. AHA Scientific Sessions, Orlando, FL. Sunday, November 13, 2011, from 5:30 p.m. to 6:45 p.m. For more details, please visit: <http://formularyjournal.modernmedicine.com/formulary/Clinical+News/First-pharmacist-focused-session-coming-to-AHA-Sci/ArticleStandard/Article/detail/734013>

### Cardiology PRN Award Recipients:

1. New Student Travel Award – **Tiffany Sanders** (University of Oklahoma)
2. New Resident/Fellow Travel Awards – **Adam Bress** (University of Illinois at Chicago) and **Przemysław Radwański** (University of Utah)
3. Mentoring Award – **Toni Ripley** (University of Oklahoma)
4. Junior Investigator Award – **Craig Lee** (University of North Carolina)
5. Best Paper Award – **Rhonda Cooper-DeHoff** (University of Florida)
6. The Cardiology PRN Seed Research Grant Award winner will be announced before the ACCP Annual Meeting; the recipient will receive a \$5,000 stipend toward his or her research project.

### Individual Member Accomplishments

#### Awards, Academic Appointments and Promotions, and Leadership:

- **Sheryl Chow, Shannon Finks, Craig Lee, Kari Olson, Brian Overholser, Kerry Pickworth, and Amy Seybert** will be inducted as fellows of the American College of Clinical Pharmacy (FCCPs).
- **Julie Bartell** received the Young Pharmacist of the Year Award from the Pharmacy Society of Wisconsin.
- **Judy Cheng** received the Teacher of the Year (Pharmacy Practice) Award and the Faculty Service Award at the Massachusetts College of Pharmacy and Health Sciences.
- **Richard Fleck** was named Head of Clinical Pharmacology for the GlaxoSmithKline Metabolic Pathways and Cardiovascular Therapeutic Area Unit.
- **Michael Gillette** received a travel award from the American College of Cardiology for the Legislative Conference, and he was elected to the ASHP Clinical Specialists and Scientists Advisory Group as well as to the Resident Advisory Committee for ACCP as Vice Chair.

- **Tracy Macaulay** was awarded the Outstanding Faculty Member Award by the 2012 class at the University of Kentucky College of Pharmacy.
- **Michael Nash** and **Barbara Wiggins** were inducted as Associates of the American College of Cardiology (AACC).
- **Carrie Oliphant** was promoted to Associate Professor of Pharmacy at the University of Tennessee College of Pharmacy.
- **Kelly Rogers** was promoted to Professor of Clinical Pharmacy at the University of Tennessee College of Pharmacy.
- **Jim Tisdale** was inducted as a fellow of the American Heart Association (FAHA).
- **Toby Trujillo** served as Co-chair for the Summer Conference on Cardiology for the Society of Critical Care Medicine (SCCM).
- **Orly Vardeny** was promoted to Associate Professor of Pharmacy, Pharmacy Practice Division, University of Wisconsin School of Pharmacy.
- **Jim Hollands, Carrie Oliphant, and Andrew Smith** received Added Qualifications in Cardiology from the Board of Pharmacy Specialties this year.

#### Publications (limited to three):

Chen WT, **White CM**, Phung OJ, Kluger J, Ashaye A, Sobieraj D, Makanji S, Tongbram V, **Baker WL, Coleman CI**. Association between CHADS<sub>2</sub> risk factors and anticoagulation-related bleeding: a systematic literature review. *Mayo Clin Proc* 2011;86:509–21.

Chen WT, **White CM**, Phung OJ, Kluger J, Ashaye A, Sobieraj D, Makanji S, Tongbram V, **Baker WL, Coleman CI**. Are the risk factors listed in warfarin prescribing information associated with anticoagulation-related bleeding? A systematic literature review. *Int J Clin Pract* 2011;65:749–63.

Colby JA, Chen WT, **Baker WL, Coleman CI**, Reinhart KM, Kluger J, **White CM**. Effect of ascorbic acid on inflammatory markers after cardiothoracic surgery. *Am J Health Syst Pharm* 2011;68:1632–9.

Runyan CL, **Cabral KP**, Riker RR, et al. Correlation of bivalirudin dose during treatment of heparin-induced thrombocytopenia. *Pharmacotherapy* 2011;31:850–6.

Patterson ME, Blalock SJ, **Smith AJ**, Murray MD. Associations between prescription copayment levels and beta-blocker medication adherence in commercially insured heart failure patients. *Clin Ther* 2011;33:608–16.

**Cheng JWM, Dopp AL, Kalus JL, Rogers KC, Sanoski CA, White CM**. Key articles and guidelines in the management of arrhythmias, 2004–2010. *Pharmacotherapy* 2011;31:1e–32e.

**Cheng JWM**. Prevention and treatment of venous thromboembolic events: focus on dabigatran etexilate. *Clin Med Insights Ther* 2011;3:205–20.

**Chow SL, O’Barr SA, Peng JT, Chew EE, Pak F, Patel P, Quist R, Patterson JH, Heywood JT**. Modulation of novel cardiorenal and inflammatory biomarkers by intravenous nitroglycerin and nesiritide in acute decompensated heart failure: an exploratory study. *Circ Heart Fail* 2011;4:450–5.

1. **Chow SL, Singh H, DiDomenico R, Dunn SP, Johnson SG, Marrs J, Vardeny O, Bleske BE**. Key articles related to complementary and alternative medicine in cardiovascular disease. Part II. *Pharmacotherapy* 2011. In press. Available at [www.pharmacotherapy.org/pdf/Key\\_Articles/Pharm3110e\\_Chow-CAM\\_pt2.pdf](http://www.pharmacotherapy.org/pdf/Key_Articles/Pharm3110e_Chow-CAM_pt2.pdf). Accessed September 23, 2011.

Dentali F, Marchesi C, Pierfranceschi MG, Crowther M, Garcia D, Hylek E, Witt DM, **Clark NP**, Squizzato A, Imberti D, Ageno W. Safety of prothrombin complex concentrates for rapid anticoagulation reversal of vitamin K antagonists. A meta-analysis. *Thromb Haemost* 2011;106:429–38.

Dentali F, Donadini MP, **Clark N**, Crowther MA, Garcia D, Hylek E, **Witt DM**, Ageno W; Warfarin Associated Research Projects and Other Endeavors (WARPED) Consortium. Brand name versus generic warfarin: a systematic review of the literature. *Pharmacotherapy* 2011;31:386–93.

**Crouch MA, Colucci VJ, Howard PA, Spinler SA**. P2Y<sub>12</sub> receptor inhibitors: integrating ticagrelor into the management of acute coronary syndrome. *Ann Pharmacother* 2011;45:1151–6.

**Crouch MA**, ed. *Securing and Excelling in a Pharmacy Residency*. Sudbury, MA: Jones & Bartlett Learning, 2011.

Lachance K, Savoie M, Bernard M, Rochon S, Fafard J, Robitaille R, Vendittoli PA, Lévesque S, **de Denus S**. Ferrous sulphate does not increase preoperative haemoglobin in patients scheduled for hip or knee arthroplasty. *Ann Pharmacother* 2011;45:764–70.

**Ensor CR**, Russell SD, Wittstein IS, Conte JV. *Capnocytophaga canimorsus* sepsis in an asplenic heart transplant candidate with a left ventricular assist device. *Prog Transplant* 2011;21:121–3.

**Finks SW, Rogers KC, Manguso AH.** Assessment of sotalol prescribing in a community hospital: opportunities for clinical pharmacist involvement. *Int J Pharm Pract* 2011;19:281–6.

Deal EN, **Hollands JM**, Riney JN, Skrupky LP, Smith JR, Reichley RM. Therapeutic anticoagulation with enoxaparin and associated anti-Xa monitoring in patients with morbid obesity. *J Thromb Thrombolysis* 2011;32:188–94.

**Miller AE, Montague D, Rodgers JE**, Sanghvi S, Whinna HC, Krumnacher H. Substitution of a heparin correlation value for activated partial thromboplastin time in heparin nomograms. *Am J Health Syst Pharm* 2011;68:893–8.

**Miller DF**, Fortier CR, Garrison KL. Bar code medication administration technology: characterization of high-alert medication triggers and clinician workarounds. *Ann Pharmacother* 2011;45:162–8.

**Price CA.** Drug monographs. In: Schull PD, ed. *Nurse's Drug Handbook*, 6th ed. New York: McGraw-Hill, 2011.

**Price CA.** Drug monographs. In: Karch AM, ed. *Nursing Drug Guide*. Philadelphia: Lippincott Williams & Wilkins, 2011, 2012.

Misky GJ, Manheim JC, Zehnder N, Nguyen V, Swenson PF, Klem P, **Trujillo TC**, Earnest MA. Health care disparities in the acute management of venous thromboembolism based on insurance status in the U.S. *J Thromb Thrombolysis*. 2011 Aug 30. [Epub ahead of print]

**Rogers KC, Parker RB.** Acute coronary syndrome: ST-elevation myocardial infarction. In: Schwinghammer TL, Koehler JM, eds. *Pharmacotherapy Casebook: A Patient-Focused Approach*, 8th ed. New York: McGraw-Hill, 2011:70–6.

Patterson ME, Blalock SJ, **Smith AJ**, Murray MD. Associations between prescription copayment levels and beta-blocker medication adherence in commercially insured heart failure patients. *Clin Ther* 2011;33:608–16.

Roberts S, Crigler J, Lafferty W, Bonham A, Hunter J, **Smith AJ**, Banderas J, Early G, King R. Addressing social determinants to improve health care quality and reduce cost. *J Healthc Qual*. In press.

**Stacy ZA, Dobesh PP, Trujillo TC, Dager W, Ripley T, Olson KL.** Key articles and guidelines

in the management of peripheral arterial disease. *Pharmacotherapy* 2011;31:176e–206e.

**Tisdale JE, Overholser BR**, Wroblewski HA, Sowinski KM. The influence of progesterone alone and in combination with estradiol on ventricular action potential duration and triangulation in response to potassium channel inhibition. *J Cardiovasc Electrophysiol* 2011;22:325–31.

Fernando HC, Jaklitsch MT, Walsh GL, **Tisdale JE**, Bridges CD, Mitchell JD, Shrager JB. Society of Thoracic Surgeons practice guideline on the prophylaxis and management of atrial fibrillation following general thoracic surgery: executive summary. *Ann Thorac Surg* 2011. In press.

**Tisdale JE, Overholser BR**, Sowinski KM, Wroblewski HA, Amankwa K, Borzak S, Coram R, Kingery J, Zipes DM, Flockhart DA, Kovacs RJ. Enhanced sensitivity to drug-induced QT-interval lengthening in patients with heart failure due to left ventricular systolic dysfunction. *J Clin Pharmacol* 2011. In press.

Kiser TH, Mann AM, **Trujillo TC**, Hassell K. Evaluation of empiric versus nomogram-based direct thrombin inhibitor management in patients with suspected heparin-induced thrombocytopenia. *Am J Hematol* 2011;86:267–72.

#### Grants:

**Sony Tuteja** received a PPD Bioanalytical Fluid and Tissue Grant Award from the American College of Clinical Pharmacy for her project titled “Characterizing the Metabolic Pathway of Niacin.”

**Sony Tuteja** received a 2-year grant from the American Heart Association, Great Rivers Affiliate, for her project titled “Pharmacogenomics and Pharmacokinetics of Variation in Dermal and Metabolic Responses to Acute Niacin Administration.”

**William Baker** received a grant from Gilead Sciences, Inc, for \$207,308 for a project titled “The Pharmacokinetics and Electrocardiographic Implications of Adjunctive Amiodarone and Ranolazine Therapy in Patients on Implantable Cardioverter Defibrillators: The Adjunctive Ventricular Arrhythmia Suppression Trial (AVAST) Pilot.”

**Robert B. Parker** received an NIH R15 grant for his project, *Inhibition of Carboxylesterase Metabolism by Ethanol*.

## Central Nervous System

The Central Nervous System PRN consists of practitioners who work in the areas of neurology and psychiatry. We currently have 180 members.

### Nominations Committee (Kelly Lee, Chair)

The Nominations Committee identifies and nominates deserving PRN members for ACCP fall and spring awards such as the Clinical Practice Award, Parker Medal, and New Investigator and Educator awards. The committee nominates members for fellowship status and elected offices within the PRN and the College. **Jack Chen** was elected this spring as the new Chair-Elect, and **Collin Hovinga** was elected as the Secretary/Treasurer.

### Student Travel Award

The CNS PRN will award its first travel grant for \$500 for one student who will be presenting a poster in the area of CNS (psychiatry or neurology) at the ACCP Annual Meeting. Eligible candidates must meet the following criteria: (1) student member of ACCP, (2) full-time pharmacy student pursuing his or her first professional pharmacy degree, and (3) presenter of a poster at the ACCP Annual Meeting. The selected student agrees to present his or her poster presentation at the CNS PRN business meeting.

### Program Committee

Our focus session at the ACCP Annual Meeting in Pittsburgh will be “Management of the Patient with Traumatic Brain Injury” on Tuesday, October 18, 2011, from 3:30 p.m. to 5:30 p.m. Sunita Dergalust, Pharm.D., BCPS, will present “Emerging Treatment—Bench to Bedside” from 3:30 p.m. to 4:20 p.m. Stacia Wilhelm, Pharm.D., BCPS, will present “Treatment of the Behavioral Sequelae of TBI” from 4:20 p.m. to 5:10 p.m. This will be followed by a Q & A and panel discussion from 5:10 p.m. to 5:30 p.m.

### Announcements

**Kelly Lee** and **Collin Hovinga** were recently elected as ACCP fellows and will be recognized at the upcoming ACCP Annual Meeting.

**Vicki Ellingrod** was elected Chair of the ACCP Research Institute Board of Trustees.

**Barbara Wells** is giving the Annual Fellows Address at the 2011 Fellows Dinner at the upcoming ACCP Annual Meeting.

**Michele Splinter** was a faculty mentor for an AACP-Walmart Scholar, Kshama Kumari, at the recent AACP annual meeting in San Antonio. She also presented Migraine, Parkinson Disease, and Seizure Disorders at the APhA annual meeting in Seattle in March and the

ASHP annual meeting in Denver in June as part of the Ambulatory Care Pharmacy Review Course.

**Lisa Hutchinson, Pharm.D., MPH, BCPS**, was promoted to the rank of Professor at the University of Arkansas for Medical Sciences College of Pharmacy.

## Critical Care

*Keep Up-to-Date on the Latest in Critical Care at the ACCP Annual Meeting in Pittsburgh!*

### Hot Topics in Critical Care:

**Monday afternoon**, plan to attend programming developed by members of the Critical Care PRN in collaboration with the Society of Critical Care Medicine—“Sedation and Delirium in the ICU: Update on the Status of the 2011 SCCM Guidelines.” Faculty will discuss the major issues to be addressed by the updated SCCM guidelines on sedation; this discussion will assist critical care practitioners in establishing appropriate assessment and treatment strategies to optimize patient outcomes.

**Tuesday morning**, join your colleagues for programming developed by members of the Critical Care PRN—“Adverse Drug Events in the ICU: Learn Using High Fidelity Patient Simulation Cases.” This 2-hour session will discuss ADEs that are unrecognized in the ICU, identify drug-induced ADEs in complex cases, and describe the management of ADEs in simulated cases.

**Tuesday afternoon**, plan to attend programming developed by members of the Nephrology PRN—“AKI in the ICU: The Roles of Medication and CRRT.” In this 2-hour session, faculty will address important considerations in the use of continuous renal replacement therapy (CRRT) in critically ill patients with acute kidney injury (AKI).

### Critical Care Research:

Check out critical care-related research displayed during the Scientific Poster Presentations, Platform Presentations, and Great Eight Best Paper Presentations.

### Networking Opportunity:

Monday evening, the Critical Care PRN business meeting and networking forum will include a summary of PRN activities, reports from PRN officers, and presentation of the Resident/Fellow Research Travel Award. An informal reception will follow, allowing time for networking with new and old members, members collaborating on PRN-related projects, and trainees looking for job opportunities.

## 2011 Critical Care PRN Travel Awards

This year, the PRN awarded a Young Investigator Award and a Resident/Fellow Award. Each awardee will receive \$1,250 and will present an overview of the projects during the PRN business meeting and networking forum at the 2011 Annual Meeting in Pittsburgh, Pennsylvania:

- Kevin Kaucher, Pharm.D. (University of Rochester Medical Center, Rochester, New York), received the Young Investigator Award for his project titled “Relative Bioavailability of Oral Fosphenytoin Sodium Injection in Healthy Volunteers.”
- Wesly Pierce, Pharm.D. (Medical University of South Carolina, Charleston, SC), received the Resident/Fellow Award for his project titled “Survey of HIT Laboratory Testing and Evaluation of Tailored HIT Screening Protocol Based on the ‘4-Ts’ Scoring System.”

## Education and Training

### Executive Summary from the Recognition Committee;

The Education and Training (EDTR) PRN membership has grown to more than 380 members who are advancing the PRN’s mission of promoting dialogue and interaction to develop programs that enhance the knowledge and skills needed to provide education and training within clinical pharmacy. The PRN and its members have accomplished much during the past several months.

At the ACCP Updates in Therapeutics® meeting in Columbus, Ohio, the PRN hosted a focus session on learner-centered teaching. This continuing education session was well attended and was available for elective credit to ACCP members who are participating in the Academy Certificate Program in Teaching and Learning or the Academy Certificate Program in Career Advancement. Several PRN members also attended the PRN networking breakfast held in Columbus.

Our Scholarly Activities Committee has finalized a position paper on implementing active learning in U.S. schools of pharmacy curricula. The paper was accepted by the *American Journal of Pharmaceutical Education* to be published in an upcoming issue. The committee is now planning the development of a book that will offer useful teaching tips for clinical faculty and preceptors. We are still seeking contributors for various chapters, especially from those who are interested in contributing teaching tips surrounding the topics of ethics and introductory and advanced practice experiences in inpatient teaching hospital settings. If you are interested in being a contributing author, please contact Tina Denetclaw.

The EDTR PRN Membership Committee has taken several steps toward increasing and retaining

membership. The committee chair will now send an e-mail to new members welcoming them to the EDTR PRN. In addition, information about the PRN and about avenues for getting involved will be provided. New members are now also recognized at annual EDTR PRN networking meetings. Finally, the Membership Committee is developing promotional materials, which after peer review and revision, will be sent to each school of pharmacy’s ACCP liaison in hopes of increasing faculty membership.

The EDTR PRN is growing and would like to continue expanding its membership! We encourage ACCP members who are interested in promoting dialogue and interaction to enhance their knowledge and skills in improving clinical pharmacy education and training to join the EDTR PRN.

### EDTR PRN Member Achievements include the following:

#### Heather P. Whitley, Pharm.D., BCPS, CDE

##### Publications:

**Whitley HP.** Monetary value of a prescription assistance program service in a rural family medicine clinic. *J Rural Health* 2011;27:190–5.

##### Grants:

Foster J, **Whitley HP**, Berns C, Thomas C. Capstone Rural Health Center Patient Safety and Clinical Pharmacy Collaborative. Coinvestigator; 2011: Project IMPACT: Diabetes Community. American Pharmacists Association Foundation. \$25,000 on March 8, 2011. Status: funded

**Whitley HP.** Principal investigator; 2011: Diabetes Hands Foundation/Big Blue Test grant. \$10,000 on August 17, 2011: funded

Dr. Whitley also became the 2011–2012 Chair of the Alabama Obesity Task Force.

#### Michael J. Peeters, Pharm.D., MEd, BCPS

##### Publications:

**Peeters MJ.** Cognitive development of learners in pharmacy education. *Curr Pharm Teach Learn* 2011;3:224–9.

**Peeters MJ, Rivera CG.** Biostatistics and parametrics. *Pharmacotherapy* 2011;31:63e–64e.

##### Presentations:

Evaluating student presentations. The Collaborative Education Institute, Online CE Presentation for Preceptors. July 2011.

**Sarah McBane, Pharm.D., CDE, BCPS**

**Publications:**

**McBane S**, Trewet CB, Nadra Havican S, Kiser K, Klingel C, Riche DM, Sease JM, Nau DP, Zillich AJ. Tenets for developing quality measures for ambulatory clinical pharmacy services. *Pharmacotherapy* 2011;31:115e–134e.

**McBane S**. Evolving pharmacy practice in the 21st century. *Drug Topics* Jan 2011:44–55.

**McBane S**. Drugs in dermatology: ivermectin in the treatment of scabies. *JCPA* 2011;5:33.

McIntosh J, Rafie S, Wasik M, **McBane S**, Lodise N, El-Ibiary S, Forinash A, Kachlic M, Rowe E, Besinque K. Changing oral contraceptives from prescription to over-the-counter status: an opinion statement of the Women's Health Practice and Research Network of the American College of Clinical Pharmacy. *Pharmacotherapy* 2011;31:424–37.

**McBane S**, Rojas C. Azathioprine-induced fever in sarcoidosis. *Ann Pharmacother* 2011;45:e19.

**McBane S**, Halstater B. Evaluation of beliefs about hypertension in a general population *J Prim Care Community Health* 2011;2:96–9.

**Amy Tiemeier, Pharm.D., BCPS**

**Publications:**

**Tiemeier AM**, Stacy ZA, Burke JM. Using multiple-choice questions written at various Bloom's taxonomy levels to evaluate student performance across a therapeutics sequence. *Innov Pharm* 2011;2:Article 41.

**Beth H. Resman-Targoff, Pharm.D., FCCP**

**Publications:**

**Resman-Targoff BH**, Cicero MP. Aggressive treatment of early rheumatoid arthritis: recognizing the window of opportunity and treating to target goals. *Am J Manag Care* 2010;16:S249–S258.

Dr. Resman-Targoff was also named 2011 Oklahoma Society of Health-System Pharmacists Pharmacist of the Year.

Dr. Resman-Targoff provided three podcast interviews in the series titled "From Principle to Practice: Interprofessional Perspectives on Early RA. What Do the Updated RA Classification Criteria Mean for You?" This is a CME/CE-accredited activity through the Center for Independent Healthcare Education ([www.jointsponsor.com](http://www.jointsponsor.com)), 2011.

**Andrea S. Franks, Pharm.D., BCPS**

Dr. Franks was accepted into the American Association of Colleges of Pharmacy's Academic Leadership Fellows Program for 2011–2012.

**Brenda L. Gleason, Pharm.D.**

Dr. Gleason was accepted into the American Association of Colleges of Pharmacy's Academic Leadership Fellows Program for 2011–2012.

**Rebecca B. Sleeper-Irons, Pharm.D., FASCP, BCPS**

Dr. Sleeper-Irons became the new Associate Dean of Curricular Affairs at Texas Tech.

**Amie Blaszczyk, Pharm.D., BCPS, CGP**

Dr. Blaszczyk recently became the new Head of the Geriatrics Division at Texas Tech.

**Marianne Koenig, Pharm.D., B.S., BCPS**

Dr. Koenig was recently appointed Assistant Professor and Coordinator of Clinical Academic Simulation at University of South Florida College of Pharmacy.

**Emergency Medicine**

**Current Officers**

Chair: Pamela Lada Walker, Pharm.D., BCPS  
Chair-Elect: Kevin O. Rynn, Pharm.D., DABAT, FCCP  
Secretary/Treasurer: Mary Beth Shirk, Pharm.D.  
Media Chair: Wichitah P. Leng, Pharm.D.

**ACCP Annual Meeting: Tuesday, October 18, 2011, Pittsburgh, Pennsylvania**

Please join the Emergency Medicine PRN for its business meeting and networking forum; members and interested meeting attendees are welcome. The business meeting will include an update of PRN activities and initiatives as well as an opportunity to become involved in the PRN and meet others with interests and practices in emergency medicine. From 6:30 p.m. to 7:30 p.m., there will be a presentation titled "Lipids, Not Just for Breakfast Anymore" by Renee Petzel, Pharm.D., which will be available for 1 hour of continuing pharmacy education credit. Light hors d'oeuvres and beverages will be provided.

*The Emergency Medicine PRN would like to acknowledge and congratulate all of its members on their accomplishments and achievements:*

**Presentations:**

**Acquisto NM**, Bankey PE, Haas CE. Implementation and evaluation of a recombinant activated factor VII guideline for uncontrolled bleeding. American College of Clinical Pharmacy Annual Meeting. Pittsburgh, PA, October 2011.

**Kaucher K**, Haas CE, **Acquisto NM**, et al. Relative bioavailability of oral fosphenytoin sodium injection in healthy volunteers. American College of Clinical Pharmacy Annual Meeting. Pittsburgh, PA, October 2011.

Iannolo M, **Mah ND**, **Acquisto NM**, Gross JM, Ketz JP, Prasarn ML, Humphrey CA, Gorczyca JT. Can we prevent renal failure by using ciprofloxacin instead of gentamicin for the treatment of open fractures in older patients? Orthopaedic Trauma Association 27th Annual Meeting. San Antonio, TX, October 2011.

**Patanwala AE**, Sanders AB, **Thomas MC**, **Acquisto NM**, et al. A prospective, multicenter study of medication errors intercepted by emergency department pharmacists. American College of Emergency Physicians Scientific Assembly. San Francisco, CA, October 2011.

#### Publications:

**Kyle A. Weant, Pharm.D., BCPS**

**Weant KA**, Winstead PS, Armitstead JA. Alternative pharmacy practice model. *Am J Health Syst Pharm* 2011;68:1395–6.

Cook A, Lemon S, Ashton J, **Weant KA**, Gross K, Winstead PS. Survey of critical care education in US colleges of pharmacy. *Curr Pharm Teach Learn* 2011. In press.

Walsh K, Davis GA, Hayes D, Kuhn R, **Weant KA**, Flynn JF. Tobramycin pharmacokinetics in patients with cystic fibrosis before and after bilateral lung transplantation. *Transpl Infect Dis* 2011. In press.

**Weant KA**, Weant MP. The safety and efficacy of glucagon for relief of esophageal food impaction. *Am J Health Syst Pharm* 2011. In press.

MacLaren R, Dager W, Bolesta S, Brophy G, Dell K, Gerlach A, Kristeller J, Micek S, Hess M, Bentley M, Juang P, Kane-Gill S, Haase K, Mann H, Miller C, Pepe D, Southwood R, **Weant K**, Rebuck J, Wood C. An opinion paper outlining recommendations for training, credentialing, and documenting and justifying critical care pharmacy services. *Pharmacotherapy* 2011. In press.

Baker SN, **Weant KA**. Therapeutic hypothermia. *Adv Emerg Nurs J* 2011. In press.

Baker SN, **Weant KA**. Procedural sedation and analgesia in the emergency department. *J Pharm Pract* 2011;24:189–95.

Ashton J, Baker SN, **Weant KA**. When snakes bite: the management of North American Crotalinae snake envenomation. *Adv Emerg Nurs J* 2011;33:15–22.

**Weant KA**, Humphries R, Hite K, Armitstead J. Effect of emergency medicine pharmacists on medication error reporting in the emergency department. *Am J Health Syst Pharm* 2010;67:1851–5.

Pandya KA, Ruf KM, Winstead PS, Cook AM, **Weant KA**. Pharmacy resident participation with a 24-hour multidisciplinary stroke response team. *Am J Health Syst Pharm* 2010;67:1901, 1905–7.

**Weant KA**, Armitstead JA. Emergency medicine pharmacy. *Am J Health Syst Pharm* 2010;67:1595–7.

**Derek M. Polly, Pharm.D.**

**Polly DM**, Paciull CA, Hatfield CJ. Management of hypertensive emergency and urgency. *Adv Emerg Nurs J* 2011;33:127–36.

**Darrel W. Hughes, Pharm.D., BCPS**

Faust AC, Terpolilli R, **Hughes DW**. Management of toxicities after oral ingestion of transdermal fentanyl patches: a case report and literature review. *Case Report Med* 2011;2011:495938.

Munoz MA, Maxwell PR, Green K, **Hughes DW**, Talbert RL. Pravastatin versus simvastatin for prevention of contrast-induced nephropathy. *J Cardiovasc Pharmacol Ther*. Accepted March 8, 2011.

**Adam Solola, Pharm.D., MBA**

Solola AO. Assessing the need for a pharmacist in the emergency department of an IHS hospital. *Fed Pract* 2011;28:29–32, 36.

**Asad (Sid) Patanwala, Pharm.D., BCPS**

Snyder EM, Wong EC, Foxx-Lupo WT, Wheatley CM, Cassuto NA, **Patanwala AE**. Effects of an inhaled  $\beta(2)$ -agonist on cardiovascular function and sympathetic activity in healthy subjects. *Pharmacotherapy* 2011;31:748–56.

**Patanwala AE**, **Acquisto NM**, Erstad BL. Prothrombin complex concentrate for critical bleeding. *Ann Pharmacother* 2011;45:990–9.

Traylor BR, Wheatley CM, Skrentny TT Jr., Foxx-Lupo WT, Phan H, **Patanwala AE**, Morgan WJ, Daines CL, Sprissler R, Snyder EM. Influence of genetic variation of the  $\beta(2)$ -adrenergic receptor on

lung diffusion in patients with cystic fibrosis. *Pulm Pharmacol Ther* 2011;24:610–6.

**Patanwala AE**, Hays DP, Sanders AB, Erstad BL. Severity and probability of harm of medication errors intercepted by an emergency department pharmacist. *Int J Pharm Pract* 2011;19:358–62.

**Patanwala AE**, Biggs AD, Erstad BL. Patient weight as a predictor of pain response to morphine in the emergency department. *J Pharm Pract* 2011;24:109–13.

**Patanwala AE**. Acute pain management. In: Katz MD, Matthias KR, Chisholm-Burns MA, eds. *Pharmacotherapy Principles and Practice Study Guide*. New York: McGraw-Hill, 2011.

### **Nicole Acquisto, Pharm.D., BCPS**

**Acquisto NM**, Hays DP, Fairbanks RJ, et al. The outcomes of emergency pharmacist participation during acute myocardial infarction. *J Emerg Med*. 2010 Aug 31. [Epub ahead of print]

**Acquisto NM**, Baker SN. Antimicrobial stewardship in the emergency department. *J Pharm Pract* 2011;24:196–202.

**Acquisto NM**, Gelbard WB. Medication use during pregnancy. *Emerg Med Rep* 2011;32:1–15.

**Patanwala AE, Acquisto NM, Erstad BL**. Prothrombin complex concentrate for critical bleeding. *Ann Pharmacother* 2011;45:990–9.

Wiegand T, **Acquisto NM**. High-dose flumazenil drip for reversal of a massive iatrogenic benzodiazepine overdose. A cause-effect analysis of an adverse drug effect and discussion of the role of the clinical pharmacist and medical toxicologist. The American Academy of Clinical Toxicology Annual Meeting. Washington, DC, September 2011.

### **Other Notable Achievements:**

#### **EMED PRN Research Project**

Members of the EMED PRN led by Sid Patanwala completed a multicenter research project to determine both the methods by which patients with medication errors (MEs) were first identified in the emergency department (ED) by the ED pharmacist and the activities that led up to the ME interception. A total of 16,446 patients were encountered during the study, resulting in 364 confirmed ME interceptions by pharmacists in the ED. After analysis, members

determined that medical and nursing staff–initiated contact with the ED pharmacist is necessary to identify a large proportion of patients at risk of MEs and that pharmacist review of written or computerized medication orders accounts for fewer ME interceptions than expected.

### **New Partnering Program**

We are excited to announce that the EMED PRN has created a new program—the Collaborative Organization for Development of Emergency Medicine Pharmacists (CODE Program). The purpose of the program is to encourage idea sharing and foster professional growth by forming meaningful partnerships among EM pharmacists. Each year, the program will match participants on the basis of personally identified strengths and goals according to a “Participant Bio” form. This document is located on the EMED PRN homepage under “PRN Documents/ CODE Program Documents” or by using the link provided below.

Are you willing to serve as a resource for protocol development? Would you like to collaborate with someone who is experienced in survey research? Have you been active in organizations and would now like to help a colleague become more involved? The Participant Bio encourages you to indicate specific areas, including clinical practice, research, teaching, organization involvement, or career development, in which you would like to serve as a resource as well as areas in which you hope to gain more experience. Our hope is that communication among partners will take place throughout the year in a way that best suits the needs of both areas (i.e., quarterly e-mails, ACCP conferences, or any time a question arises).

We realize that emergency medicine pharmacy practice is an emerging area and that strong collaboration is essential to the EMED PRN’s success. EM pharmacists are making a difference across the nation. By joining forces with like-minded professionals, we can achieve even more. We all share a common goal—developing best practices for patients in the acute care setting. Join us in taking this next step to work together, advancing our practice!

The registration process for this year has been completed, and match results were sent to participants on September 1, 2011 (see results below). Be sure to look for updates regarding the upcoming year’s registration process, and feel free to speak to any of the committee members if you have questions.

Important links:

[Participant Bio](#)  
[CODE Program Flyer](#)

## Endocrine and Metabolism

The Endocrine and Metabolism PRN is composed of members from a variety of practice settings. This PRN was formed to achieve the following goals and objectives. (1) Provide an opportunity for pharmacists with an interest in endocrine and metabolism disorders to promote practice, research, and education in these areas. (2) Provide a mechanism for members with similar interests to meet during ACCP meetings to network, perform problem solving, and discuss professional issues and opportunities. (3) Promote practice involvement; the educational needs of health care professionals, students, and patients; and research activities in the areas of endocrinology and metabolism that may be favorably affected by this ACCP PRN effort.

During the past 6 months, some notable member accomplishments are as follows.

### Publications:

#### Amy Donihi, Pharm.D., BCPS

- DiNardo M, **Donihi AC**, Forte P, Gieraltowski L, Korytkowski MT. Standardized glycemic management improves peri-operative glycemic outcomes in same-day surgery patients with diabetes. *Endocr Pract* 2011;17:404–11.
- **Donihi AC**, Gibson J, DiNardo M, Koerbel G, Korytkowski MT. Role of a targeted glycemic management team in an academic medical center. *Endocr Pract* 2011;17:552–7.

#### Leigh Ann Ross, Pharm.D., BCPS

- Ross LA. Pharmacists as mid-level practitioners/providers. *Ann Pharmacother* 2011;45:810–2.

#### June Johnson, Pharm.D., B.S., FASHP, BC-ADM

- Ryan G, Chesnut R, Odegard PS, Dye JT, Jia H, **Johnson JF**. The impact of diabetes concentration programs on pharmacy graduates' provision of diabetes care services. *Am J Pharm Educ* 2011;75:1–7.

#### Krystal Edwards, Pharm.D., BCPS and

#### Lisa Chastain, Pharm.D.

- **Edwards K, Chastain LM**, Snodgrass L, Martin A, Busti AJ. Effects of combined use of antiretroviral agents and atypical antipsychotics on lipid parameters. *J Antivir Antiretrovir* 2011;3:034–039.

### Abstracts/Posters:

#### Communications Committee

Endocrine and Metabolism PRN Updates and Report on the Benefit with an Online Journal Club

- Amy C. Donihi, Pharm.D., BCPS; Rohit Moghe, Pharm.D., MSPH; Emily Vescovi, Pharm.D., BCPS; Jennifer N. Clements, Pharm.D., BCPS, CDE; Rick Hess, Pharm.D., BC-ADM, CDE; Craig Logemann, Pharm.D., BCPS, CDE; L. Kent Porter, Pharm.D., M.S.

### Awards and Honors:

**Brian Irons, Pharm.D., BCPS, BC-ADM; June Johnson, Pharm.D., B.S., FASHP, BC-ADM; and Leigh Ann Ross, Pharm.D., BCPS**, have been elected fellows of the American College of Clinical Pharmacy and will be recognized during a special ceremony on October 16 at the College's 2011 Annual Meeting in Pittsburgh, Pennsylvania.

**Marissa Escobar Quinones, Pharm.D.**, received the 2011 Diabetes Educator of the Year Award representing Southeast Dallas Health Center Pharmacy. The Southeast Dallas Center also received the 2011 Site of the Year Award for outstanding outcomes in the Health Living Diabetes Program.

**Daniel Riche, Pharm.D., BCPS, CDE**, will receive the 2011 New Clinical Practitioner Award, honoring him as a new clinical practitioner who has made outstanding contributions to the health of patients and/or the practice of clinical pharmacy.

**Evan Sisson, Pharm.D., BCPS, CDE**, has been nominated as a candidate on the 2012 slate for Research Institute Trustee.

**Krystal Edwards, Pharm.D., BCPS**, received the award for 2010–2011 Faculty Preceptor of the Year at Texas Tech University Health Sciences Center School of Pharmacy – Dallas/Fort Worth campus.

### Other Accomplishments:

**Jennifer Goldman-Levine, Pharm.D., FCCP, BC-ADM, CDE**, was promoted to Professor at Massachusetts College of Pharmacy and Health Sciences.

**Dawn Havrda, Pharm.D., FCCP, BCPS**, was promoted to Professor at Shenandoah University, Bernard J. Dunn School of Pharmacy.

**Brian Irons, Pharm.D., BCPS, BC-ADM**, provided the Endocrine and Metabolism PRN presentation at the Pharmacotherapy Preparatory Course Review in April 2011 at Columbus, Ohio. In addition, Dr. Irons was elected 2011–2012 Secretary for the Ambulatory Care PRN.

**Michael Kane, Pharm.D., FCCP, BCPS**, provided the Endocrine and Metabolism PRN presentations at the Ambulatory Care Preparatory Course Review in April 2011 at Columbus, Ohio.

**Angela Hodges, Pharm.D.**, was promoted to Clinical Pharmacist Diabetes Specialist at Huguley Memorial Medical Center in Fort Worth, Texas.

**Edward Allie, Pharm.D., BCPS**, accepted a new position as Clinic Pharmacy Performance Manager for Steward Health Care Network.

**Michelle Rager, Pharm.D., BCPS**, and **Jessica Trompeter, Pharm.D., MBA, BCPS**, passed the examination for Certified Diabetes Educator in early summer 2011.

#### PRN Officer and Committee Updates:

**The Endocrine and Metabolism PRN** would like to congratulate the newly elected officers:

Chair-Elect: Jennifer N. Clements, Pharm.D., BCPS, CDE  
Secretary/Treasurer: Nicole Pinelli, Pharm.D., M.S., CDE

#### 2011 Focus Session:

The Education Committee is working on the programming for the fall 2011 focus session for the Annual Meeting in Pittsburgh, Pennsylvania, titled "Rapid Clinical Pearls and a Clinical Debate in Endocrinology and Metabolism." The goal of the session is to review several controversial topics in the fields of endocrinology and metabolism. The program will be held Monday, October 17, from 3:45 p.m. to 5:45 p.m. The topics and speakers will be as follows:

Emerging Therapies in Diabetes

- **Nicole Pinelli**, Assistant Professor of Pharmacy Practice, Wayne University, Eugene Applebaum College of Pharmacy and Health Sciences, Detroit, Michigan

GLP-1 Agents in Metabolic Syndrome/Obesity

- **Rick Hess**, Assistant Professor, Department of Pharmacy Practice, Bill Gatton College of Pharmacy at East Tennessee State University

Metformin Use for Chronic Kidney Disease Patients

- **Marissa Quinones**, Clinical Pharmacy Specialist, Parkland Southeast Dallas Health Center, Grand Prairie, Texas

Glucose Variability Impact

- **Kim Kelly**, President, Kelly Diabetes Associates, LLC, Cupertino, California

U-500: Appropriate Use and Common Pitfalls

- **Jessica Trompeter**, Assistant Professor, Bernard J. Dunn School of Pharmacy, Winchester, Virginia

ADA Algorithm vs. AACE Algorithm for Diabetes

- **Craig Logemann**, Clinical Pharmacist, Partners in Health Clinics, Des Moines, Iowa
- **Tricia M. Russell**, Assistant Professor, Department of Pharmacy Practice, Wilkes University, Nesbitt School of Pharmacy and Nursing, Wilkes-Barre, Pennsylvania

#### 2011 Business Meeting:

The PRN officers hope many current and interested members will join the Endocrine and Metabolism PRN business meeting at the Annual Meeting in Pittsburgh, Pennsylvania. The Endocrine and Metabolism PRN will hold a business meeting and networking forum to solicit membership and enhance resident/student participation. The scheduled activities will include a roundtable discussion and the PRN's annual business meeting, with a planned networking event to follow. The meeting will be held on Tuesday, October 18, at 6:00 p.m. at the Westin Convention Center Pittsburgh Hotel, Butler Room.

#### Weekly Online Journal Club:

The Communications Committee continues to lead the PRN in the weekly online journal club on its PRN e-mail list. The online journal club was implemented in February 2010; so far, the committee has reviewed more than 100 articles in the past 12 months. The purpose of the online journal club is to provide an awareness of key articles that add new information to the fields of endocrine and metabolism. Members of the PRN are asked to contribute articles and comments periodically. Active members from the Communications Committee have been soliciting journal club articles from the PRN e-mail list and have been posting two articles each week. The following members have been involved in continuing the weekly online journal club: Jennifer Clements (Communications Committee chair), Emily Vescovi (member), Craig Logemann (member), Richard Hess (member), Rohit Moghe (member), Kent Porter (member), and Amy Calabrese Donihi (member). Please contact Jennifer Clements, [jcrist2@su.edu](mailto:jcrist2@su.edu), for more information about the online journal club.

#### Geriatrics

*Congratulations to the following members who completed their postgraduate training in 2011!*

Ginny Crisp, Pharm.D., completed a PGY2 geriatric specialty residency at UNC Hospitals and Clinics/UNC Eshelman School of Pharmacy in NC.

Marian James, Pharm.D., completed a PGY2 geriatric specialty residency at Kingsbrook Jewish Medical Center in NY.

Lindsay Saum, Pharm.D., CGP, completed a PGY2 geriatric specialty residency at the Charleston Area Medical Center/West Virginia University CAMC in WV.

Scott Vouri, Pharm.D., completed a PGY2 geriatric specialty residency at Texas Tech University HSC School of Pharmacy in Texas.

Zachary A. Marcum, Pharm.D., M.S., BCPS, completed a geriatric fellowship at the University of Pittsburgh in PA.

### New Positions and Promotions:

Lisa C. Hutchison, Pharm.D., MPH, BCPS: Full Professor at the University of Arkansas for Medical Sciences in AR.

Marian James, Pharm.D.: Geriatric Clinical Pharmacist at Kingsbrook Jewish Medical Center in NY.

Lindsay Saum, Pharm.D., CGP: Clinical Pharmacist of Internal Medicine at St. Vincent Health and Assistant Professor of Pharmacy Practice at Butler University in IN.

Zachary A. Marcum, Pharm.D., M.S., BCPS: Assistant Professor at the University of Pittsburgh in PA.

Peggy Odegard, Pharm.D.: Full Professor and Chair of the Department of Pharmacy at the University of Washington in WA.

Amie Taggart Blaszczyk, Pharm.D., FASCP, BCPS, CGP: Division Head of Geriatrics at the Texas Tech University HSC School of Pharmacy in TX.

Scott Vouri, Pharm.D.: Assistant Professor of Geriatrics at the St. Louis College of Pharmacy in MO.

### Publications

**Hanlon JT**, Wang X, Castle NG, Stone RA, Handler SM, Semla TP, Pugh MJ, Berlowitz DR, Dysken MW. Potential underuse, overuse and inappropriate use of antidepressants in older veteran nursing home patients. *J Am Geriatr Soc* 2011;59:1412–20.

Reid MC, Bennett DA, Chen WG, Eldadah BA, Farrar JT, Ferrell B, Gallagher RM, **Hanlon JT**, Herr K, Horn SD, Inturrisi CE, Lemtouni S, Lin YW, Michaud K, Morrison RS, Neogi T, Porter LL, Solomon DH, Von Korff M, Weiss K, Witter J, Zacharoff K. Improving the pharmacologic management of pain in

older adults: identifying the research gaps and methods to address them. *Pain Med* 2011;12:1336–57.

**Hilas O**, Ezzo DC. Immunizations in the elderly. *ACCP PSAP-VII: Geriatrics* 2011;197–212.

**Hilas O**, Avena-Woods C. Neurocardiogenic syncope: a focus on the management of vasovagal episodes. *US Pharm* 2011;36:HS2–HS11.

**Hughes GJ**, Belgeri MT, Perry HM. The impact of pharmacist interventions on the inappropriate use of acid-suppression therapy. *Consult Pharm* 2011;26:485–90.

**Hughes GJ**, Patel PN, Saxena N. Effect of acetaminophen on international normalized ratio in patients receiving warfarin therapy. *Pharmacotherapy* 2011;31:591–7.

**Hume AL**, Quilliam BJ, Eaton CB, Goldman R, Lapane KL. Alternatives to potentially inappropriate medications for use in e-prescribing software: triggers and treatment algorithms. *BMJ Qual Saf* 2011 June 30. [Epub ahead of print]

Jackson-Derezza A, **Hume AL**. Aspirin for CV prevention—for which patients? *J Fam Pract* 2011;60:518.

**Lee JK**, De Los Santos K. Dyslipidemia. In: Katz M, Matthias K, Chisholm-Burns MA, eds. *Pharmacotherapy Principles and Practice Study Guide: A Case-Based Care Plan Approach*. New York: McGraw-Hill, 2010:51–3.

**Lee JK**, Davis S. Gastroesophageal reflux disease. In: Katz M, Matthias K, Chisholm-Burns MA, eds. *Pharmacotherapy Principles and Practice Study Guide: A Case-Based Care Plan Approach*. New York: McGraw-Hill, 2010:67–9.

Byers MG, Allison KM, Wendel CS, **Lee JK**. Prazosin versus quetiapine for nighttime posttraumatic stress disorder symptoms in veterans: an assessment of long-term comparative effectiveness and safety. *J Clin Psychopharmacol* 2010;30:225–9.

Chisholm-Burns MA, **Lee JK**, Spivey C, et al. U.S. pharmacists' effects as team members on patient care: systematic review and meta-analyses. *Med Care* 2010;48:923–33.

Chisholm-Burns MA, Graff Zivin JS, **Lee JK**, et al. Economic effects of pharmacists on health outcomes in the United States: a systematic review. *Am J Health Syst Pharm* 2010;67:1624–34.

Romero JJ, Lee JK. Is one ceruminolytic more effective than another? *Ariz Geriatr Soc J* 2010;15:22–3.

Lee JK. Depression in older adults—pharmacotherapy. In: *Elder Care: A Resource for Interprofessional Providers*. Available at [www.reynolds.med.arizona.edu/EduProducts/ElderCareProviderSheets.cfm](http://www.reynolds.med.arizona.edu/EduProducts/ElderCareProviderSheets.cfm). Accessed September 26, 2011.

O’Connell MB, Borgelt LM, Bowles SK, Vondracek SF. Drug-induced osteoporosis in the older adult. *Aging Health* 2010;6:501–18.

Colon-Emeric C, O’Connell MB, Haney E. The osteoporosis piece of the multi-morbidity puzzle. *Mt Sinai Med J* 11;78:515–26.

Peron EP, Marcum ZA, Boyce R, Hanlon JT, Handler SM. Year in review: medication mishaps in the elderly. *Am J Geriatr Pharmacother* 2011;1:1–10.

Sleeper RB, Blaszczyk AT. Dizziness and syncope in the elderly. *ACCP PSAP-VII: Geriatrics* 2011;97–114.

## GI/Liver/Nutrition

The GI/Liver/Nutrition PRN continues to grow. The latest membership report from ACCP for September 2011 indicates that there are now 169 members. The results of the PRN officer elections were released this month. Rima Mohammad has been elected Chair-Elect, and Pramodini Kale-Pradhan has been elected Secretary/Treasurer for the 2011–2012 term. Joseph Ybarra will be the Chair for 2011–2012. Special thanks to Joseph Ybarra and Sheila Wilhelm in their roles as Chair-Elect and Secretary/Treasurer for the past year. The PRN business meeting will be held in Pittsburgh on the evening of Tuesday, October 18. We hope you will join us to network and socialize with your colleagues from around the country. The PRN educational focus session will also be on Tuesday and will cover the topics listed below. We hope you will be able to attend.

## Annual Meeting GI/Liver/Nutrition Focus Session

### Contemporary Issues in the Management of Total Parenteral Nutrition

Tuesday, October 18, 3:30 p.m. - 5:30 p.m.

#### Session Goals

1. Provide updates in the management of total parenteral nutrition (TPN) in patients with acute and chronic kidney disease.

2. Discuss the impact of hemodialysis or continuous renal replacement therapies on the management of TPN.
3. Review approaches to dosing and monitoring of TPN in obese patients.
4. Recommend strategies for micronutrient supplementation and management of long-term adverse effects of TPN.

TITLE: *Management of TPN in Patients with Kidney Disease*

PRESENTER: Sarah Nordbeck

PRESENTATION LENGTH: 35 minutes

LEARNING OBJECTIVES:

1. Review current recommendations for dosing and monitoring of TPN in patients with acute, chronic, and end-stage kidney disease.
2. Discuss the management of TPN in patients undergoing hemodialysis or continuous renal replacement therapies.
3. Discuss potential complications of TPN therapy in patients with chronic or end-stage kidney disease.

TITLE: *Management of TPN in Patients with Obesity*

PRESENTER: Erin Nystrom

PRESENTATION LENGTH: 35 minutes

LEARNING OBJECTIVES:

1. Review the appropriate roles for both acute and chronic TPN therapy in obese patients.
2. Provide recommendations for dosing and monitoring of TPN in patients with obesity.
3. Discuss potential complications of TPN therapy in patients with obesity.

TITLE: *Micronutrient Supplementation and Long-term Adverse Effects of TPN Therapy*

PRESENTER: Leslie Hamilton

PRESENTATION LENGTH: 35 minutes

LEARNING OBJECTIVES:

1. Review the role and appropriateness of micronutrient supplementation in patients receiving TPN therapy.
2. Provide recommendations for dosing and monitoring of micronutrient supplementation in acute and chronic TPN therapy.
3. Discuss strategies for prevention and management of long-term adverse effects of TPN therapy.

## Hematology/Oncology

### Member Accomplishments:

Christine Walko, Pharm.D., was named UNC Eshelman School of Pharmacy Professor of the Year for 2010–2011. Dr. Walko also published original research in *JCO*: Irvin WJ, Walko CM, Weck KE, et al. Genotype-guided tamoxifen dosing increases active metabolite exposure in women with reduced CYP2D6

metabolism: a multicenter study. *J Clin Oncol* 2011;29:3232–9.

The Hematology/Oncology PRN has chosen its first annual PGY2 Oncology Pharmacy Resident of the Year Award recipient: Kelly Valla, Pharm.D., Hematology/Oncology Clinical Pharmacy Specialist Emory Healthcare/Emory University Hospital/Winship Cancer Institute

The Hematology/Oncology PRN has awarded its 2011 Student/Resident Travel Award to Kevin Curler, Pharm.D., MBA. Dr. Curler is a Pharmacy Practice Resident at UCSF Medical Center.

New officers elected by the Hematology/Oncology PRN for the 2011–2012 term are as follows: Becky Fahrenbruch Pharm.D., BCOP – Chair-Elect Sal Bottiglieri, Pharm.D. – Secretary/Treasurer

## Immunology/Transplantation

### Newly Inducted Fellows:

The PRN would like to congratulate the following members on their induction as fellows of ACCP. Their contributions to the practice of pharmacy and ACCP are greatly appreciated.

Steve Gabardi, Pharm.D., FCCP, BCPS  
Lisa McDevitt-Potter, Pharm.D., FCCP, BCPS  
Christin Rogers, Pharm.D., FCCP, BCPS

### Newly Elected Leaders for 2011–2012:

We want to congratulate and introduce the newly elected PRN leadership.

Steve Gabardi will be the Chair of the PRN for the coming year. Angela Maldonado is the new Chair-Elect for the coming year. Jennifer Trofe-Clark will be the new Secretary/Treasurer. Please congratulate these new officers when you see them at the upcoming ACCP Annual Meeting.

### Immunology/Transplantation-Related Abstracts at the Annual Meeting:

The following are transplant-related poster presentations that PRN members may be interested in attending.

#### Monday, October 17

258. Evaluation of a Preemptive Strategy for CMV Disease Prevention in Cardiac Transplant Patients. *Edward T. Horn, Pharm.D., BCPS, et al.*

259. Corticosteroid Withdrawal in Renal Transplant Recipients: An Analysis of the Mycophenolic Acid

Observational Renal Transplant Registry. *Kimi Ueda Stevenson, Pharm.D., BCPS, et al.*

260. Early Analyses of Renal Transplant Recipients Who Received Expanded Criteria Donor Kidneys from the Mycophenolic Acid Observational Renal Transplant Registry. *Kimi Ueda Stevenson, Pharm.D., BCPS, et al.*

261. Comparisons of Enteric-Coated Mycophenolate Sodium and Mycophenolate Mofetil Outcomes from the Mycophenolic Acid Observational Renal Transplant Registry. *Ali Olyaei, Pharm.D., BCPS, et al.*

262. African American Renal Transplant 1-Year Outcomes from the Mycophenolic Acid Observational Renal Transplant Registry. *Lonnie Smith, Pharm.D., et al.*

263E. Steroid-Free, Calcineurin Inhibitor Minimizing Regimen with Long-term Mycophenolate Mofetil Monotherapy for HLA Identical Living Donor Kidney Transplantation: Long-term Outcomes. *Adele R. Shields, Pharm.D., et al.*

264. A Prospective, Single-Center, Pilot Study of Pre-transplant Thymoglobulin Administration and Early Corticosteroid Withdrawal in Living Donor Renal Transplant Recipients. *Adele R. Shields, Pharm.D., et al.*

265. Pepper Mould Contamination Risk to Immunocompromised. *John D. Cleary, Pharm.D., et al.*

266. Use of HMG-CoA Reductase Inhibitors in Liver Transplant Patients with Recurrent Hepatitis C Virus. *Sarah E. Yost, Pharm.D., et al.*

268E. Comparison of Calcineurin Inhibitor Administration Post-heart Transplantation. *Cory Blacksmith, Pharm.D., et al.*

270. Impact of Immunosuppressant Regimen on the Onset of Hyperlipidemia in Kidney Transplant Recipients. *Shelby L. Corman, Pharm.D., et al.*

271. A Single-Center Experience with Conversion Between Two Generic Tacrolimus Formulations. *Eric Tichy, Pharm.D., BCPS, et al.*

470F. Effectiveness and Safety of Influenza Vaccine in the First 6 Months Post-lung Transplant. *Kalynn A. Robde, et al.*

#### Tuesday, October 18

269F. Cardiovascular Events and CV-Related Mortality After Renal Transplantation: Effect of Maintenance Steroid Therapy and Preexisting Coronary Artery Disease. *Adele R. Shields, Pharm.D., et al.*

383. Tacrolimus Trough Concentrations in Heart Transplant Recipients During Episodes of Acute Cellular Rejection. *Gretchen Kipp, Pharm.D., et al.*

384. Early Corticosteroid Withdrawal Reduces Risk for Actual Cardiovascular Events in Renal Transplant Recipients: A Multivariate Analysis. *Nicole M. Schmidt, Pharm.D., et al.*

385. 10-Year Experience with Early Corticosteroid Elimination in Kidney Transplantation: Analysis of Patient and Graft Survival. *Nicole M. Schmidt, Pharm.D., et al.*

386. Multivariate Analysis of Risk Factors That Influence Graft Survival Following Proteasome Inhibitor Therapy for Antibody-Mediated Rejection. *Basma Sadaka, Pharm.D., et al.*

387. Preservation of Renal Function with Angiotensin-Converting Enzyme Inhibitor or Angiotensin Receptor Blocker Therapy Early After Heart Transplantation. *David Johnson, Pharm.D., et al.*

### Wednesday, October 19

487E. Impact of Conversion to Sirolimus-Based Immunosuppression on Fibrosis Progression in HCV+Liver Transplant Recipients. *Christin Rogers, Pharm.D., et al.*

### PRN Member Platform Presentation

#### Monday, October 17

##### The Great Eight

259. Corticosteroid Withdrawal in Renal Transplant Recipients: An Analysis of the Mycophenolic Acid Observational Renal Transplant Registry. *Kimi Ueda Stevenson, Pharm.D., BCPS, et al.*

#### Tuesday, October 18

272. Is Valganciclovir a Viable Option for Cytomegalovirus (CMV) Prophylaxis in Liver Transplantation? *Gregory Smallwood, Pharm.D., B.S.*

### Immunology/Transplantation PRN Programming at the ACCP Annual Meeting:

Please join the PRN at these transplant-focused sessions at the Annual Meeting:

- Long-term Management of the Renal Transplant Recipient, Monday, October 17, 1:30 p.m.–3:30 p.m.
- Symposium on the Management of Complications after Organ Transplantation, Tuesday, October 18, 1:30 p.m.–4:30 p.m.

### Immunology/Transplantation PRN Business Meeting and Networking Forum:

The PRN business meeting will be held Monday, October 17, from 6:00 p.m. to 9:00 p.m. At the meeting, we will have our annual resident debate. This year's topic is a pro versus con debate on hepatitis C virus protease inhibitor therapy post-liver transplant. Gretchen Kipp, Pharm.D., will present the pro argument. Daniel Migliozi, Pharm.D., will present the con argument. There will also be a presentation titled "The Clinical and Financial Impact of the Transplant Pharmacist" by Dave Taber, Pharm.D., BCPS. Supported in part by a grant from Astellas Pharma Global Development

### Pain and Palliative Care

#### Update on Board Certification in Pain and Palliative Care:

The following PRN members have been appointed by the Board of Pharmacy Specialties (BPS) to serve on the Pain and Palliative Care Practice Analysis Task Force:

- Jeffrey Fudin, Pharm.D., DAAPM, FCCP
- Phyllis Grauer, Pharm.D., CGP
- Christopher Herndon, Pharm.D., BCPS, CPE
- Lee Kral, Pharm.D., BCPS
- Mary Lynn McPherson, Pharm.D., BCPS, CPE
- Suzanne Nesbit, Pharm.D., CPE

This task force will work closely with BPS as part of a role delineation study to determine whether pain and palliative care pharmacy is based on specialized knowledge and functions. Through their work with BPS, these PRN members seek to guide the development of a pain and palliative care certification program. In addition, many members of our PRN will serve as expert reviewers as the role delineation study progresses throughout the year. Thank you to all of our PRN members for their participation in this important process!

#### PRN Focus Session at the 2011 Annual Meeting:

In collaboration with the Pharmaceutical Industry and Hematology/Oncology PRNs, we will host a session on the role of clinical pharmacists in Risk Evaluation and Mitigation Strategies (REMS) programs on Monday, October 17, from 1:30 p.m. to 3:30 p.m. This session is intended to educate the audience regarding the role of REMS programs as they influence pharmacovigilance/safety monitoring from an industry perspective, clinical pharmacy practice, and patient care. The speakers for this session include the following individuals:

- **Cynthia LaCivita, Pharm.D.** – Drug Risk Management Analyst (RMA), Division of Risk Management, FDA/CDER/Office of Surveillance and Epidemiology, Silver Spring, Maryland
- **Joseph F. Heissler Jr., Pharm.D., BCPS** – Director, Risk Management, Pfizer New York, New York
- **Sandra Cuellar Puri, Pharm.D., BCOP** – Clinical Assistant Professor, University of Illinois Medical Center; Clinical Oncology Pharmacist, University Illinois at Chicago, Chicago, Illinois
- **Jeffrey Fudin, Pharm.D., DAAPM, FCCP** – Clinical Pharmacy Specialist, Veteran Affairs Medical Center-Albany; Adjunct Associate Professor of Pharmacy Practice, Albany College of Pharmacy and Health Sciences, Albany, New York

### PRN Business Meeting:

Our business meeting at the 2011 Annual Meeting will include an update on the status of BPS role delineation for pain and palliative care certification, a resident presentation on a select pain/palliative care topic, and an opportunity to network with colleagues. We invite and encourage all ACCP members with an interest in pain and palliative care to attend.

### Agenda

- 6:00 p.m.–6:15 p.m.: Welcome/PRN Updates and Reports
- 6:15 p.m.–6:35 p.m.: BPS Role Delineation Study for Pain and Palliative Care Certification
- 6:35 p.m.–7:00 p.m.: Resident Presentation
- 7:00 p.m.–7:20 p.m.: Induction of New Officers/New Chair's Address
- 7:20 p.m.–8:00 p.m.: Networking

### Member News and Highlights:

#### Welcome to Our New Members!

Soha Adloni	Chung Lu
Rebecca Bledsoe	Brianne Peroutka
Marc Cote	Scott Preston
Sarah Eltaki	Sherilyn Van Osdol

#### Promotions

**Michele L. Matthews, Pharm.D., CPE**, was promoted to Associate Professor of Pharmacy Practice at the Massachusetts College of Pharmacy and Health Sciences, Boston, Massachusetts.

#### Accomplishments

Congratulations to the following PRN members who have successfully completed the requirements of the American Society of Pain Educators (ASPE) credentialing program and have been designated Certified Pain Educators (CPEs) since its inception in 2009:

Francine Farnsworth	Karen F. Marlowe
Phyllis Anne Grauer	Michele L. Matthews
Thomas Gregory	Mary Lynn McPherson
Kathryn Hahn	Suzanne Nesbit
Christopher Herndon	Ann Marie Rule
Cynthia Johnston	Kathryn Walker

### Invited Presentations

Several of our PRN members were invited speakers at PAINWeek held in Las Vegas, Nevada, from September 7 to 10, 2011, and presented exceptional presentations on the following topics at this national multidisciplinary conference:

Christopher Herndon

- Pain Therapeutics
- A Topical Review of Pain Treatment

Mary Lynn McPherson

- Acetaminophen: When to Use It and When to Say When
- Developing Peer and Patient Education Materials
- Assessment of Pain in Advanced Illness
- Opioid Conversions
- Pharmacologic Management of Pain in Advanced Illness
- Methadone
- Pharmacologic Management of CV, GU, GI, and Respiratory Symptoms in Patients with Advanced Illness
- New Drugs in Pain Management and Palliative Care

Thomas Gregory

- Chronic Pain Syndromes
- Opioid Adverse Events: Beyond Constipation

Kathryn Hahn

- Short-Acting and Long-Acting Opioids in the Treatment of Chronic, Episodic, and Breakthrough Pain
- NSAIDs and Adjuvant Therapies for Chronic Pain Management

### Pharmacokinetics/Pharmacodynamics

The Pharmacokinetics/Pharmacodynamics PRN is collaborating with the Pharmaceutical Industry PRN for a special session on pharmacometrics to be presented at the Annual Meeting in Pittsburgh. The session—titled “Pharmacometrics in Drug Development and Research”—will be held on Tuesday, October 18, from 1:15 p.m. to 3:15 p.m. in Convention Center Rooms 315 and 316. Speakers for the session represent academia, industry, and the FDA and include Joan M. Korth-Bradley, Nitin Mehrotra, and Paul R. Hutson.

## Pharmaceutical Industry

The Pharmaceutical Industry has more than 240 members, which includes over 30 student members. The Pharmaceutical Industry PRN supports members working in the pharmaceutical industry and provides awareness and education to members who do not work in the industry. This year, the PRN focused on highlighting the accomplishments of its members and networking with other PRNs to foster collaboration on a variety of projects.

The PRN members are looking forward to meeting you at their networking forum on Monday, October 17, 2011, at the Annual Meeting. Please join us to catch up with old friends, meet new colleagues, and volunteer for upcoming PRN activities.

The PRN Programming Committee was successful this year in collaborating with several other PRNs to develop three interesting joint educational symposia for the ACCP Annual Meeting.

- On Monday, October 17, from 1:30 p.m. to 3:30 p.m., our PRN, together with the Hematology/Oncology and Pain and Palliative Care PRNs, will host an educational focus session on “The Role of Clinical Pharmacists in Risk Evaluation and Mitigation Strategies (REMS) Programs.” Please support our PRN member, Joseph Heissler from Pfizer, who will be speaking during this session.
- On Tuesday, October 18, from 10:15 a.m. to 11:45 a.m., the PRN, together with the Endocrine and Metabolism PRN, is hosting the educational symposia titled “Too Big, Too Small, Just Right: Dosing Issues in Obesity.” Come by and hear from our PRN member, Joan Korth-Bradley from Pfizer, who will be speaking during this session.
- In addition, also on Tuesday, October 18, from 1:15 p.m. to 3:15 p.m., the PRN will collaborate with the Pharmacokinetics and Pharmacodynamics PRN to host the educational session titled “Pharmacometrics in Drug Development and Research.” Our PRN member, Joan Korth-Bradley from Pfizer, will be speaking during this session as well.

We would also like to thank Kay Uttech from Baxter for representing the PRN at the Career Roundtable session on Sunday, October 16, from 2:00 p.m. to 4:30 p.m.

The Nominations Committee was successful in developing a slate of candidates for the 2011–2012 PRN officers. Please welcome our new officers at the PRN networking forum:

- Alicia Reese from Sanofi-Aventis as Chair

- Rachel Couchenour from Chelsea Therapeutics as Chair-Elect
- Sandra Chase from Otsuka America Pharmaceutical as Secretary/Treasurer

Thank you to the 2010–2011 PRN officers and committee members for making this a productive year.

## ACCP CLINICAL PHARMACY CHALLENGE QUARTERFINAL TEAMS ANNOUNCED

### 2011 ACCP Clinical Pharmacy Challenge Teams Advance to Quarterfinals



### ACCP Clinical Pharmacy Challenge: Are You Ready?

ACCP's novel, national team competition for pharmacy students returns to the Annual Meeting in 2011. Because of the unprecedented level of interest in the 2010 competition, ACCP expanded the Clinical Pharmacy Challenge to include the opportunity for teams to compete in a greater number of online rounds, as well as in live rounds of the competition in Pittsburgh. From an initial field of 84 teams, eight have advanced through four online rounds of competition to reach the quarterfinals.

### 2011 ACCP Clinical Pharmacy Challenge Quarterfinalist Teams:

Belmont University School of Pharmacy

Butler University College of Pharmacy and Health Sciences

Campbell University College of Pharmacy and Health Sciences

Massachusetts College of Pharmacy and Health Sciences Worcester School of Pharmacy  
University of Tennessee Health Science Center College of Pharmacy

University of the Pacific Thomas J. Long School of Pharmacy and Health Sciences

University of Utah College of Pharmacy

Western University of Health Sciences College of Pharmacy

## 2011 ACCP Clinical Pharmacy Challenge Schedule

### Saturday, October 15

8:30 a.m.– 9:30 a.m.	Participant walk-through and photo session	
9:45 a.m.– 10:15 a.m.	<b>Quarterfinal A</b> <i>Massachusetts College of Pharmacy and Health Sciences Worcester School of Pharmacy</i>	<i>vs. Western University of Health Sciences College of Pharmacy</i>
10:30 a.m.– 11:00 a.m.	<b>Quarterfinal B</b> <i>University of the Pacific Thomas J. Long School of Pharmacy Health Sciences</i>	<i>vs. University of Tennessee Health Science Center College of Pharmacy</i>
11:15 a.m.– 11:45 a.m.	<b>Quarterfinal C</b> <i>Butler University College of Pharmacy and Health Sciences</i>	<i>vs. University of Utah College of Pharmacy</i>
12:00 p.m.– 12:30 p.m.	<b>Quarterfinal D</b> <i>Campbell University College of Pharmacy and Health Sciences</i>	<i>vs. Belmont University School of Pharmacy</i>

### Sunday, October 16

4:30 p.m.– 5:00 p.m.	<b>Semifinal A</b> <i>Winner Quarterfinal A</i>	<i>vs. Winner Quarterfinal D</i>
5:15 p.m.– 5:45 p.m.	<b>Semifinal B</b> <i>Winner Quarterfinal B</i>	<i>vs. Winner Quarterfinal C</i>

### Monday, October 17

11:00 a.m.– 11:30 a.m.	<b>Final Round</b> <i>Winner Semifinal A</i>	<i>vs. Winner Semifinal B</i>
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Teams of three students from each of these institutions will compete against each other in a quiz bowl-type format. Quarterfinal matches will be held on Saturday, October 15. Winners of the quarterfinal rounds will compete in the semifinal round of the competition on Sunday, October 16, at the conclusion of the business and town hall meeting. The championship round of the Clinical Pharmacy Challenge will be held on Monday, October 17.

## STUDENT INITIATIVES UPDATE

### Student Member Demographics:

We thank the many PRN members and liaisons who have encouraged students to consider professional membership in ACCP. Your efforts to reach out to students have considerably helped expand opportunities for students within the organization. During the past 4 years, the number of ACCP student members has more than tripled, reaching 1,771 members as of September 2011.

## Student Travel Awards and Resident/Fellow Travel Awards Programs:

ACCP initiated its Student Travel Awards and Resident/Fellow Travel Awards programs to support and encourage student attendance at ACCP national meetings and to expand opportunities for students and postgraduate trainees throughout the organization. To date, ACCP has awarded more than \$35,000 in travel stipends and complimentary meeting registrations. In addition, many PRNs are now offering their own travel awards for students, residents, and fellows, providing even more opportunities for attendees to apply for funding to defray the costs associated with attending the Annual Meeting.

ACCP thanks the following PRNs for either donating funds to ACCP Travel Awards programs or sponsoring their own travel awards:

- Adult Medicine
- Ambulatory Care
- Cardiology
- Central Nervous System
- Clinical Administration
- Critical Care
- Education and Training
- Endocrine and Metabolism
- GI/Liver/Nutrition
- Geriatrics
- Hematology/Oncology
- Infectious Diseases
- Nephrology
- Pharmacokinetics/Pharmacodynamics

Please encourage students at your institution to attend an ACCP national meeting and apply for a Student Travel Award. For more information on the program, please visit [www.accp.com/stunet/award.aspx](http://www.accp.com/stunet/award.aspx).

## ACCP's Popular Online Curriculum Vitae Review Program Returns

ACCP's innovative Online Curriculum Vitae Review Service is accepting submissions. This program, now in its fifth year, is an exclusive service offered to ACCP student and postgraduate trainee (PGT) members to facilitate their curriculum vitae (CV) preparation. As the clinical pharmacy profession continues to see an increase in demand for internship experiences and residency positions and an increase in competition for first-rate jobs, it is vital that students have a well-written CV. An effective CV can provide a positive image for future selection of committees or employers, and it will distinguish an individual from the crowd.

From now until April 1, 2012, student and PGT members may submit their CVs online as a Microsoft Word document and have them randomly assigned to a volunteer ACCP member reviewer. The ACCP reviewer will provide his or her comments and suggested edits using the track changes feature of Microsoft Word. Participants will receive an e-mail containing feedback from the reviewer within 14 business days.

### **2011–2012 National StuNet Advisory Committee Appointed:**

Earlier this year, ACCP issued a call for applications to student members interested in serving on the National StuNet Advisory Committee (SNAC). The College received applications from students across the country. After a review of their applications, ACCP President-Elect Larry Cohen selected student members for appointment. ACCP is pleased to announce the appointment of the following student members to the 2011–2012 ACCP SNAC. The committee will meet at the upcoming 2011 Annual Meeting in Pittsburgh, Pennsylvania.

**Chair:** Kayley Lyons, South Dakota State University

**Vice Chair:** Roseann Gammal, Massachusetts College of Pharmacy and Health Sciences, Worcester School of Pharmacy

**Secretary:** Alissa Karr, Purdue University College of Pharmacy

#### **Members at Large:**

- Christopher Adams, Oregon State University
- Justin Balint, Wilkes University Nesbitt College of Pharmacy and Nursing School of Pharmacy
- Rena Lettsome, University of Minnesota
- Jeremy Moretz, University of North Carolina Eshelman School of Pharmacy
- Melissa Rees, Virginia Commonwealth University/ Medical College of Virginia – School of Pharmacy
- Kristina Rokas, South Carolina College of Pharmacy – USC Campus
- Danielle Smidt, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences
- Patrick Tabon, Washington State University College of Pharmacy

The newly impaneled committee will serve in an advisory capacity to the Board of Regents and the College's membership staff to develop and update student programs and initiatives consistent with ACCP's vision for the future of clinical pharmacy practice. Please join the College in congratulating these ACCP student members on their recent appointments.

## **RESIDENT/FELLOW INITIATIVES UPDATE**

### **ACCP Residency Advisory Committee Members Appointed**

Two years ago, the Resident Advisory Committee was added as one of ACCP's standing committees. The committee, which is made up of residents, fellows, and graduate students, has directed several initiatives, including ACCP Annual Meeting programming for postgraduate trainees. The 2011 programming, "Everything's an Interview," will be held on Monday, October 17, at 1:30 p.m. In addition, postgraduate trainees are receiving a monthly electronic newsletter titled *Experts in Training*, and they can communicate with their colleagues through the e-mail list service at [resfel@list.accp.com](mailto:resfel@list.accp.com).

The 2011 Resident Advisory Committee will be chaired by Kathleen Lusk and co-chaired by Michael Gillette. Members at large serving on the committee include Alexandra Barnette, Lauren Biehle, Joshua Elder, Alexander Flannery, Megan Hames, Kelly Martin, Mariellen Moore, Kathleen Morneau, Tiffany Pon, Deborah Raithel, and Lindsay Skomrock.

## **RESEARCH INSTITUTE UPDATE**

### **ACCP Research Institute 2011 PRN Report**

As the ACCP Annual Meeting approaches, we wanted to share with you an update of the activities and success of the Research Institute. Thank you for supporting the ACCP Research Institute.

#### **Join the ACCP PBRN**

The ACCP PBRN is a group of clinical pharmacy members from across the United States delivering clinical pharmacy services at a variety of academic, inpatient, outpatient, and other practice settings. Together, they form a nationwide network of pharmacists interested in answering research questions. To join the ACCP PBRN, please visit our Web site ([www.accpri.org](http://www.accpri.org)) and complete the online registry form. Once you join the registry, you will need to complete a portfolio with **PBRNConnect** so that you can participate in any PBRN project ([www.accpri.org/pbrnconnect](http://www.accpri.org/pbrnconnect)).

The ACCP PBRN continues to grow since its launch in February 2009. We have more than 700 members to date, including members who have joined



through existing PBRNs and whose data are shown below. We encourage each of you to join!

ACCP PBRN Members	PRN Code	PRN Name
77	AMED	Adult Medicine
176	AMBU	Ambulatory Care
96	CARD	Cardiology
15	CNSY	Central Nervous System
19	CADM	Clinical Administration
99	CRIT	Critical Care
5	DINF	Drug Information
60	EDTR	Education and Training
18	EMED	Emergency Medicine
34	ENDO	Endocrine and Metabolism
23	GERI	Geriatrics
19	GILN	GI/Liver/Nutrition PRN
11	OCEC	Health Outcomes
45	HMON	Hematology/Oncology
36	IMTR	Immunology/Transplantation
92	INFD	Infectious Diseases
20	NEPH	Nephrology
26	PAIN	Pain and Palliative Care
38	PEDI	Pediatrics
4	INDU	Pharmaceutical Industry
11	PKPD	Pharmacokinetics/ Pharmacodynamics
16	WOMN	Women's Health

8/25/2011

### How do I join the ACCP PBRN?

The ACCP PBRN has created a one-stop resource for all PBRN-related materials called PBRNConnect. Located at [www.accpri.org/pbrnconnect](http://www.accpri.org/pbrnconnect), this resource allows ACCP PBRN members to view, print, and download all research and PBRN-related documents. In addition, PBRNConnect will serve as a repository for all PBRN-related training. Moreover, each ACCP PBRN member will need to upload his or her own portfolio documents within the secure PBRNConnect site to be eligible to participate in ACCP PBRN studies. ACCP PBRN members can access this site using their usual *ACCP.com* login.

### Generating Bright Ideas

Have a bright idea for the next ACCP PBRN project? Collaborate with the ACCP PBRN to complete your project. The ACCP PBRN is committed to supporting the research efforts of its members. We welcome proposals from ACCP PBRN members and other external investigators looking to collaborate with

the ACCP PBRN to facilitate practice-based clinical pharmacy research. To learn more about how to collaborate with the ACCP PBRN, please visit [www.accpri.org/pbrn/partner.aspx](http://www.accpri.org/pbrn/partner.aspx).

### Medication Error Detection, Amelioration, and Prevention (MEDAP) Study:

The ACCP PBRN is grateful for all the clinical pharmacists who participated in the Medication Error Detection, Amelioration, and Prevention (MEDAP) Study. The MEDAP Study showed the success of the ACCP Research Institute Practice-Based Research Network (PBRN). This sentinel feasibility project for the ACCP PBRN was funded by the Frontiers Fund. Below is a list of all the members who participated in the MEDAP Study. Thank you for your efforts in making this study a success!

Nicole Acquisto, Pharm.D.  
 Brooke Baltz, Pharm.D.  
 Julie Wright Banderas, Pharm.D.  
 Kimberly Benner, Pharm.D., BCPS  
 Suzanne Bollmeier, Pharm.D., BCPS, AE-C  
 Jill Burkiewicz, Pharm.D., BCPS  
 Kara Canty, Pharm.D.  
 Kathryn Connor, Pharm.D., BCPS, BCNSP  
 Brian Cryder, Pharm.D.  
 Alicia Cymbala, Pharm.D., BCPS  
 Lea Dela Pena, Pharm.D., BCPS  
 Tina Denetclaw, Pharm.D., BCPS  
 Anne Denham, Pharm.D., BCPS  
 Erica Dobson, Pharm.D.  
 Jennifer Dugan, Pharm.D., BCPS  
 Margaret Felczak, Pharm.D., BCPS  
 Jared Freml, Pharm.D., BCOP  
 Cari Friesleben, Pharm.D., BCPS  
 Maria Giannakos, Pharm.D., MBA, BCPS  
 Christine Grenier, Pharm.D.  
 Christine Groth, Pharm.D.  
 Rebekah Hansmeier, Pharm.D., BCPS  
 Heather Hazeldine, Pharm.D., BCPS  
 Rachel Heilmann, Pharm.D.  
 Olga Hilas, Pharm.D., BCPS, CGP  
 Jeff Huntress, Pharm.D.  
 Rob Hutchinson, Pharm.D.  
 Justine Janociak, Pharm.D.  
 Katherine Juba, Pharm.D., BCPS  
 Sarah Judd, Pharm.D.  
 Amy Kauffman, Pharm.D., BCPS  
 David Killough, Pharm.D.  
 Mary Ann Kliethermes, Pharm.D.  
 Kathy Komperda, Pharm.D., BCPS  
 Don Lamprecht, Pharm.D., BCPS  
 Lisa Lash, Pharm.D.  
 David Lourwood, Pharm.D., FCCP, BCPS  
 Jessica Morris, Pharm.D.

Heather Nyman, Pharm.D., BCPS  
 Nathan Painter, Pharm.D., CDE  
 Adam Pesaturo, Pharm.D.  
 Christy Pratt, Pharm.D.  
 Jaymie Reiners, Pharm.D., BCPS  
 Daniel Riche, Pharm.D., BCPS, CDE  
 Heather Rouse, Pharm.D., BCPS  
 Rochelle Rubin, Pharm.D., BCPS  
 Kelly Rudd, Pharm.D., BCPS, CACP  
 Leslie Ruppe, Pharm.D., BCPS  
 Julie Sanchez, Pharm.D.  
 Jennifer Schimmer, Pharm.D., BCPS  
 Christie Schumacher, Pharm.D., BCPS  
 Lisa Schwellenbach, Pharm.D., BCPS  
 Marc Semprebbon, Pharm.D.  
 Paul Shaw, Pharm.D.  
 Andrew Smith, Pharm.D., BCPS  
 Sheila Stadler, Pharm.D., BCPS  
 Kayla Stover, Pharm.D.  
 Kory Vanderschaaf, Pharm.D.  
 Erin Vogel, Pharm.D., BCPS  
 Laurie Warrington, Pharm.D.  
 Amanda Winans, Pharm.D.  
 Daniel Witt, Pharm.D.

An abstract of the **MEDAP Study** will be displayed during Scientific Poster Presentations, II on **Tuesday, October 18, from 8:00 a.m. to 10:00 a.m.** We hope to see you at the session.

### “Generating Bright Ideas”

#### Donate On-site to the Frontiers Fund



Receive this unique 2-gb flash drive on a lanyard simply for making on-site donations and pledges of \$100 or more. Pick up your flash drive at the ACCP Research Institute booth located near the Registration Desk.

#### Frontiers Fund: Supporting Success

- The Frontiers Fund built a PBRN; and
- The FIT Program generated \$2.8 million in new PI grants

...to further document the value of clinical pharmacy services and advance pharmacy research.

If you are attending the 2011 Annual Meeting in Pittsburgh, plan to visit us at the Research Institute booth located by the registration desk. You can also make online donations at [www.accpri.org](http://www.accpri.org).

*An Investment in Our Future. Frontiers Fund*



### Frontiers Fund: Celebrating Success

In 2009, the Frontiers Fund launched a new campaign that asked members to donate to the new mission of the Research Institute (RI) and the Focused Investigator Training (FIT) Program and to create a nationwide clinical pharmacy practice-based research network (PBRN). Through these programs, the RI will receive national recognition as *the* place for clinical pharmacists to sharpen their research skills and prepare to compete for significant research funds. We appreciate the faith and confidence our Frontiers Fund donors have had in supporting our new efforts during the past few years. We would like to thank our donors and assure them that their donations have resulted in a great return on investment.

The FIT Program was offered for the fourth time earlier this summer. So far, 55 investigators have graduated from this highly rated grantsmanship program. FIT Program graduates have generated more than \$17 million in new grant monies—simply astounding!

Our second fundraising goal was to establish the first national clinical pharmacy PBRN. We thank the more than 700 ACCP PBRN members who have joined the network. We built it and you came! A special thanks goes to our members who participated in the inaugural MEDAP (Medication Detection, Amelioration, and Prevention) Study that documented more than 700 medication error–related clinical pharmacist interventions. The manuscript will be published later this year. The potential of the ACCP PBRN to contribute robust and meaningful outcomes data to the clinical pharmacy community cannot be overestimated.

As we at the RI celebrate the success of the FIT Program and the completion of the inaugural ACCP PBRN project, we recognize these programs were made possible in large part by the contributions of several hundred ACCP members and organizations, as well as many PRNs, who donated in 2010 and 2011. However, further success cannot be achieved without additional support. Your tax-deductible donation will develop researchers, build the ACCP PBRN, and generate evidence to further document the value of clinical pharmacy services and advance pharmacy research.

**The 2011 Frontiers Fund goals are to receive \$100,000 in donations and to increase the percentage of members who donate from 4% to**

6%. More information about the Frontiers Fund, including a complete list of donors since 1998, is available at [www.accpri.com](http://www.accpri.com). Please consider donating to the Frontiers Fund in 2011 and join the others who have contributed to its success!

2011 Frontiers Fund Committee: Ron Evens, Susan Fagan (Chair), Stuart Haines, Jimmi Hatton (Chair, Board of Trustees), and Ralph Raasch

### Focused Investigator Training (FIT) Program Success: More Than \$17 Million in New Grant Monies Received



This program works! The amount of *new* grant funding for the 46 participants who graduated from the first three FIT classes exceeds \$17 million. Grants include various K and R awards as well as industry grants.

**Are you an experienced researcher, maybe at the associate or professor level, who has just not yet received that big federal grant as a principal investigator?** Submit your proposal to the Focused Investigator Training (FIT) Program. There, National Institutes of Health (NIH)-funded experts will analyze, dissect, chew on, think about, rehash, and then help you rebuild your proposal during the course of 1 week.

The fourth FIT Program was held in June 2011 at the University of Arizona College of Pharmacy in Tucson. Nine investigators attended the intensive, 1-week, hands-on program for experienced investigators who have not yet been awarded significant peer-reviewed extramural funding as a principal investigator. Through this mentored program, research-track faculty take necessary steps toward preparing a K, R, or similar investigator-initiated application for submission to the NIH or other major funding source. **The next FIT Program will be held in the summer of 2013, with no program slated for 2012.**

We thank the Hematology/Oncology, Infectious Diseases, and Critical Care PRNs for offering full tuition scholarships and the Ambulatory Care and Cardiology PRNs for offering partial tuition scholarships to 2011 FIT attendees. The Research Institute encourages all PRNs to consider this professional development opportunity for its members.

### 2011 ACCP Annual Meeting: Generating Bright Ideas!

The ACCP Research Institute will present programming in conjunction with the Research and Scholarship Certificate Program. We encourage you to attend to learn more about how you can collaborate

with the ACCP PBRN and how attending the FIT Program can benefit your members.

The programming will be offered:

**Tuesday, October 18, 2011  
10:15 a.m.–12:15 p.m.**

Presentations include:

Barry Carter, Pharm.D., FCCP, BCPS  
*Clinical Practice to Research: Physician-Pharmacist Collaboration*

Daniel Touchette, Pharm.D., M.A.  
*The ACCP Research Institute – Your Partner in Advancing Clinical Pharmacy Practice*

Susan Fagan, Pharm.D. FCCP, FCCM, BCNSP  
*The Focused Investigator Training (F.I.T.) Program: Translating Ideas into Fundable Research*

### ADVOCACY UPDATE

**You are invited to support the ACCP Political Action Committee (ACCP-PAC)**



In 2010, ACCP launched a Political Action Committee (PAC) to help elect candidates to Congress who understand the value of clinical pharmacists on the health care team and who will be champions of pharmacists and their patients.

**All ACCP members are encouraged to contribute to the PAC. To make a donation, please visit our Web site: [www.accpaction.org](http://www.accpaction.org)**

*(Please note that, to comply with Federal Election Commission [FEC] regulations, we require you to log in to the PAC Web site using your ACCP login and password. ACCP can only solicit contributions from ACCP members—our “solicitable class.”)*

### ACCP-PAC Overview

ACCP opened its Washington office in 2000 so that the College could be actively invested in advocacy and government affairs efforts. During the past decade, ACCP has expanded its Washington staff, launched the [ACCP/ASHP/VCU Health Care Policy Fellow program](#), and developed its grassroots capabilities through the ACCP advocates.

ACCP is confident that this investment is worthwhile. It has allowed the College to significantly raise its profile in Washington and to participate actively in efforts such as the Pharmacy Stakeholders Coalition, which helped secure the clinical pharmacy

provisions included in the Affordable Care Act (ACA) signed into law by President Obama.

The College's advocacy efforts—direct lobbying and grassroots action—have yielded significant progress, as evidenced by the recognition of pharmacists' valued contributions to the patient care team.

However, as the focus of the health care reform implementation process moves away from Capitol Hill and into federal agencies and communities across the country, the College must further expand its advocacy capabilities to help ensure the success of the programs already authorized by the recently enacted health care reform law and help expand these programs moving forward.

ACCP's 2007 Strategic Plan called for an examination of the feasibility and value of establishing an ACCP-PAC. On the basis of research conducted by staff and outreach to ACCP membership, the ACCP Board of Regents approved the establishment of a PAC to support and advance ACCP's advocacy agenda in Washington, D.C.

ACCP's 2010 Strategic Plan continues this focus on political advocacy, calling on the College to develop, advance, and position clinical pharmacists within the current health care environment.

### What Is a PAC?

A PAC is a legally defined entity organized to help elect political candidates. PACs must report all financial activities, including direct donations and other expenses, to the Federal Election Commission (FEC), which makes the reports available to the public. A PAC enables ACCP members to combine their political contributions and endorse candidates who support ACCP issues. Created because of campaign finance reform in the 1970s, PACs are the most transparent and rigorously regulated form of political contribution.

### Why Support the ACCP-PAC?

One of the biggest hurdles a candidate must overcome when seeking elected office is the cost of mounting a campaign. Television commercials, campaign literature, pollsters, and political consultants are all necessary, but expensive, campaign investments.

As a result, elected officials depend on organizations like the ACCP-PAC for financial support as much as they depend on ACCP's professional expertise and input in the legislative and policy arenas. Although no official connection exists between policy outcomes and political contributions, a PAC can increase the College's visibility on Capitol Hill and strengthen its relationships with congressional leaders.

ACCP covers all the administrative expenses associated with operating the PAC, so all donations go directly to support pro-clinical pharmacy candidates.

### The ACCP-PAC Governing Council

The ACCP-PAC is directed by the PAC Governing Council. The founding ACCP-PAC Governing Council consists of the following ACCP members:

Chair: Leigh Ann Ross, Pharm.D., BCPS  
Treasurer: Gary R. Matzke, Pharm.D., FCP, FCCP, FASN, FNAP  
Secretary: Michael S. Maddux, Pharm.D., FCCP  
Member: Anna Legreid Dopp, Pharm.D.  
Member: Terry Seaton, Pharm.D., BCPS (Board of Regents Liaison)  
Member (*ex officio*): John McGlew

The ACCP-PAC Governing Council provides oversight and strategic leadership for ACCP-PAC operations.

### How You Can Contribute

- Contribute to the ACCP-PAC online: [www.accpaction.org/donate/index.aspx](http://www.accpaction.org/donate/index.aspx)
- Or, simply print the following form to make a contribution by mail or fax: [www.accpaction.org/styles/PAC%20Contribution%20Form.pdf](http://www.accpaction.org/styles/PAC%20Contribution%20Form.pdf)

### Please Send Your ACCP-PAC Contributions to:

American College of Clinical Pharmacy Political Action Committee  
13000 W. 87th Street Parkway  
Lenexa, KS 66215-4530  
Fax: (913) 492-0088

### How Much Should You Contribute?

Although all donations are gratefully accepted, we suggest that you contribute at one of the levels below:

Presidential Club:	\$1,000+
Regents Club:	\$500
Directors Club:	\$250
Advocates Club:	\$100
Other:	\$_____

For more information, please contact ACCP's Associate Director, Government Affairs at (202) 621-1820 or [jmcglew@accp.com](mailto:jmcglew@accp.com).

### Who Can Contribute to the ACCP-PAC?

The ACCP-PAC can only solicit contributions from ACCP members. All contributions must be personal, not corporate. As a result, we cannot accept contributions from institutions, organizations, chapters, PRNs, or other similar entities.

### How Much Can an ACCP Member Contribute to the PAC?

\$5,000 annually. ACCP will cover all the administrative expenses associated with operating the PAC, so all donations go directly to support pro-clinical pharmacy candidates.

## How Much Can the ACCP-PAC Contribute to a Candidate?

Up to \$5,000 per candidate, per election (\$10,000 per election cycle—\$5K for the primary election and \$5K for the general election)

## Are PAC Contributions Tax Deductible?

No. Contributions to the ACCP-PAC are not deductible as charitable for federal tax purposes; they must be made by personal funds and/or post-tax dollars.

## Is the ACCP-PAC Partisan?

No. The ACCP-PAC contributes to candidates who understand and support our issues, regardless of their political party affiliation.

## Can You Recommend a Candidate to Receive a PAC Contribution?

Only ACCP-PAC contributors may recommend candidates to receive contributions. All PAC contributor recommendations will be considered; however, the PAC may not accommodate all requests. The ACCP-PAC Governing Council must approve all candidate contributions.

## Other Legal Considerations

ACCP-PAC funds are used to support candidates for the U.S. Congress who support clinical pharmacists and their patients. Federal election law prohibits the ACCP-PAC from soliciting contributions from individuals outside the restricted class. Any contributions received from outside the restricted class will be returned. Federal law also requires the ACCP-PAC to use its best efforts to collect and report the name, mailing address, occupation, and employer name of the individuals whose contributions exceed \$200 in a calendar year.

## ACCP Action Alert! Urge Congress to Support the Preserving Access to Life-Saving Medications Act (S. 296)

Senators Amy Klobuchar (D-Minn.) and Robert Casey (D-Pa.) have introduced S. 296, the Preserving Access to Life-Saving Medications Act.

The legislation directs the U.S. Food and Drug Administration (FDA) to address drug shortages by requiring drug manufacturers to notify this federal agency about manufacturing problems or a drug product that will be discontinued. This legislation also requires the agency to maintain an online list of drugs in shortage situations and revises the FDA's definition of *medically necessary*.

## Manufacturer Reporting

The bill would require manufacturers to notify the FDA of any discontinuance, interruption, or adjustment in the manufacture of a drug that might result in a shortage.

- If the manufacturer plans to discontinue the drug, the manufacturer must notify the FDA at least 6 months in advance.
- For other disruptions in manufacturing attributable to the supply of raw materials, disruptions in the supply chain, output changes, and other problems identified by the FDA, notification will be required as soon as the manufacturer becomes aware of the problem.
- The FDA will then be required to promulgate regulations establishing penalties for non-compliance with the reporting requirement.

## Public Notification by the FDA

The bill would also require the FDA to publish information related to manufacturing problems and drugs experiencing an actual shortage on its Web site.

## Develop Criteria for Drugs Vulnerable to Shortage

The bill would require the FDA to implement evidence-based criteria for identifying drugs vulnerable to a shortage. Such identification of drugs would be based on factors such as:

- number of manufacturers
- sources of raw material or active pharmaceutical ingredients
- supply chain characteristics
- availability of therapeutic alternatives

If the FDA can determine, on the basis of the above criteria, that a drug is vulnerable to a shortage, the agency will have to publish that information on its Web site.

Furthermore, for drugs deemed vulnerable to a shortage and medically necessary, the FDA will collaborate with manufacturers to establish continuity-of-operations plans to address drug shortages.

## Revise Medically Necessary Definition

The bill would require the FDA to revise the definition of *medically necessary* to include the prevalence of the use of a drug as a factor in determining whether the drug is medically necessary.

## Take Action!

[Click here](#) to send a letter to Congress, urging the passage of S. 296, which would provide the FDA with tools to better manage—and prevent—shortages of life-saving medications.

For more information, please contact ACCP's Associate Director, Government Affairs at (202) 621-1820 or [jmcglew@accp.com](mailto:jmcglew@accp.com).

## UPDATES IN THERAPEUTICS®

### The Pharmacotherapy Preparatory Review and Recertification Course and

### The Ambulatory Care Pharmacy Preparatory Review and Recertification Course

April 27 to May 1, 2012, in Reno, Nevada

Mark your calendar for the popular Pharmacotherapy Preparatory Review and Recertification Course and the Ambulatory Care Pharmacy Preparatory Review and Recertification Course. Both programs are designed to help you prepare for the relevant BPS Pharmacy Specialty Certification Examinations to be offered in October 2012. Even if you are not planning to sit for the BPS examination, you may still be interested in assessing your knowledge and skills in the area by taking advantage of one of these advanced specialty programs. Both courses offer an excellent review for either pharmacotherapy or ambulatory care practitioners seeking to remain current in all aspects of their practice area. Registration opens November 2011.

Both courses will take place at the Peppermill Resort located in Reno, Nevada, from April 27 to May 1, 2012. Watch the ACCP Web site, [www.accp.com](http://www.accp.com), for complete meeting details.

American College of  
Clinical Pharmacy

UPDATES IN  
THERAPEUTICS.

## PRN MEMBERSHIP TOTALS

Ambulatory Care PRN (AMBU)	1,358
Adult Medicine PRN (AMED)	941
Clinical Administration PRN (CADM)	329
Cardiology PRN (CARD)	950
Central Nervous System PRN (CNSY)	183
Critical Care PRN (CRIT)	1,595
Drug Information PRN (DINF)	280
Education and Training PRN (EDTR)	391
Emergency Medicine PRN (EMED)	348
Endocrine and Metabolism PRN (ENDO)	239
Geriatrics PRN (GERI)	272
GI/Liver/Nutrition PRN (GILN)	172
Hematology/Oncology PRN (HMON)	572
Immunology/Transplantation PRN (IMTR)	337
Pharmaceutical Industry PRN (INDU)	283
Infectious Diseases PRN (INFD)	1,515
Nephrology PRN (NEPH)	222
Health Outcomes PRN (OCEC)	142
Pain and Palliative Care PRN (PAIN)	286
Pediatrics PRN (PEDI)	614
Pharmacokinetics/Pharmacodynamics PRN (PKPD)	172
Women's Health PRN (WOMN)	180

Total PRN Membership: 11,381

## UPDATED PRN CALENDAR, HANDBOOK, AND CONTACT INFORMATION NOW AVAILABLE

[Click here](#) for the 2011–2012 PRN Handbook and calendar information.

For more information about a specific PRN, please contact the individuals below:

<b>Adult Medicine</b>	<a href="#">Nancy Yunker</a>
<b>Ambulatory Care</b>	<a href="#">Candice Garwood</a>
<b>Cardiology</b>	<a href="#">Orly Vardeny</a>
<b>Central Nervous System</b>	<a href="#">Julie Kissack</a>
<b>Clinical Administration</b>	<a href="#">Suzanne Wortman</a>
<b>Critical Care</b>	<a href="#">Jeremy Flynn</a>
<b>Drug Information</b>	<a href="#">Michael Gabay</a>
<b>Education and Training</b>	<a href="#">Maria Pruchnicki</a>
<b>Emergency Medicine</b>	<a href="#">Kevin Rynn</a>
<b>Endocrine and Metabolism</b>	<a href="#">Daniel Riche</a>
<b>Geriatrics</b>	<a href="#">Olga Hilas</a>
<b>GI/Liver/Nutrition</b>	<a href="#">Joseph Ybarra</a>
<b>Health Outcomes</b>	<a href="#">Fred Doloresco</a>
<b>Hematology/Oncology</b>	<a href="#">LeAnn B. Norris</a>
<b>Immunology/Transplantation<sup>3</sup></b>	<a href="#">Steven Gabardi</a>
<b>Infectious Diseases</b>	<a href="#">Jason Gallagher</a>
<b>Nephrology</b>	<a href="#">Heather Nyman</a>
<b>Pain and Palliative Care</b>	<a href="#">Richard Wheeler</a>
<b>Pediatrics</b>	<a href="#">Kelly Bobo</a>
<b>Pharmaceutical Industry</b>	<a href="#">Alicia Reese</a>
<b>Pharmacokinetics/Pharmacodynamics</b>	<a href="#">Chee M. Ng</a>
<b>Women's Health</b>	<a href="#">Sarah P. Shrader</a>