accp Report

American College of Clinical Pharmacy

Michael S. Maddux, Pharm.D., FCCP; Executive Director

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Cooper-DeHoff, Haines, Kelley, Rybak, and Witt to Receive ACCP Honors

Rhonda M. Cooper-DeHoff, Stuart T. Haines, Kristi W. Kelley, Michael J. Rybak, and Daniel M. Witt have been selected by the College's Awards Committee to receive the association's prestigious 2016 Russell R. Miller Award, Robert M. Elenbaas Service Award, Education Award, Therapeutic Frontiers Lecture Award, and Clinical Practice Award, respectively. The awards will be presented in Hollywood, Florida, on Sunday morning, October 23, during the opening session of the College's 2016 Annual Meeting.

Russell R. Miller was the founding editor of the College's journal, *Pharmacotherapy*. The Russell R. Miller Award is presented in recognition of substantial contributions to the literature of clinical pharmacy, thereby advancing both clinical pharmacy practice and rational pharmacotherapy.

This year's recipient is Rhonda M. Cooper-DeHoff, Pharm.D., M.S., FCCP, FACC, FAHA, an associate professor, Department of Pharmacotherapy and Translational Research and Division of Cardiovascular Medicine; and associate director, Center for Pharmacogenomics, University of Florida, Gainesville, Florida. At the time of her nomination, Cooper-DeHoff had published more than 125 peer-reviewed manuscripts, with most appearing in high-impact journals. Dr. Julie Johnson, dean and distinguished professor at the University of Florida College of Pharmacy, commented on Cooper-DeHoff's important contributions to the literature in her letter of support:

> The guidelines for this award state that it can be based on a singular, high impact contribution or a sustained contribution and Dr. Cooper-DeHoff qualifies under both criteria. Her research has focused largely on hypertension, and factors that influence outcomes with antihypertensive treatment. Her singular most important contribution to the literature was a paper published in *JAMA* in 2010 (Cooper-DeHoff et al., JAMA 2010,304:61-8; PMID 20606150). This paper has since accrued over 500 citations…. In this paper Dr. Cooper-DeHoff describes cardiovascular outcomes in diabetic patients based on level of blood pressure control from the INVEST trial. She showed that patients with tight and usual BP control had significantly better outcomes than those with uncontrolled BP, while there were no differences in outcomes between those with tight versus usual BP control. This was a seminal paper since, at the time, the target BP for diabetics was < 130/80 mmHg and yet these data showed no benefit of tighter BP control. These findings contributed to the subsequent loosening of BP targets for diabetics, and helped inform hypertension treatment guidelines that followed. This paper alone makes Dr. Cooper-DeHoff worthy of the Russell R. Miller Award. However, her contributions to the literature in hypertension go far beyond this single paper. She has over 120 publications and many have been of high impact, helping to define demographic, clinical, metabolic, metabolomic and genetic factors associated with responses to antihypertensive drugs and cardiovascular outcomes with antihypertensive therapy…. Collectively, Dr. Cooper-DeHoff has made substantial, high impact contributions to the literature on antihypertensive drug therapy. Few in clinical pharmacy have published papers with the level of impact that goes well beyond pharmacy of those of Dr. Cooper-DeHoff.

Cooper-DeHoff serves as an editorial board member for *Cardiology Today* and as a reviewer for several prestigious journals, including the *British Journal of Clinical Pharmacology, Circulation, JAMA, Journal of Human Hypertension, Lancet, Nature Communications, Pharmacogenetics and Genomics, Pharmacogenomics,* and *Pharmacotherapy.* She has previously received several other prestigious honors, including the New Investigator Award from the American Heart Association, Council on Basic Cardiovascular Sciences in 2001; recognition as a fellow of the American Heart Association in

2007 and the American College of Cardiology in 2010; Top Population Science Paper Award from the American Heart Association journal *Hypertension* in 2011; ACCP Fellow recognition in 2014; and Distinguished Associate Award from the American College of Cardiology in 2015.

Robert M. Elenbaas served as ACCP's founding executive director from 1986 through 2003. During his 17-year tenure, he exemplified the characteristics of a servant leader committed to the advancement of clinical pharmacy and ACCP. The Elenbaas Service Award is given only when a particularly noteworthy candidate is identified in recognition of outstanding contributions to the vitality of ACCP or to the advancement of its goals that are well above the usual devotion of time, energy, or material goods.

This year's recipient is Stuart T. Haines, Pharm.D., BCPS, BCACP, BC-ADM, a professor and director, Division of Pharmacy Professional Development, University of Mississippi School of Pharmacy in Jackson, Mississippi. Haines, a past president of ACCP, has been actively engaged in service to the College and the pharmacy profession throughout his career. Dr. Robert Talbert, also a past ACCP president, wrote in his letter of support:

> Dr. Haines has served in nearly every capacity available for the American College of Clinical Pharmacy including service to ACCP in both official and non-official capacities as well as his outstanding representation of the organization to a number of external stakeholders. From involvement on many of its committees to serving as ACCP President, Stuart has been an active contributor at all levels of the organization, as well as for *Pharmacotherapy* and the ACCP Research Institute. By my count, he has served on or chaired more than 30 committees, task forces and other groups for ACCP. Additionally, he has authored numerous publications for the organization and from my review of his CV, it looks like he has delivered a presentation at every ACCP meeting since 2000. Dr. Haines has represented ACCP at the national level to other pharmacy organizations (including many leadership positions in these organizations) and to federal agencies in an outstanding manner. As a recognized expert in anticoagulation and diabetes management he has provided numerous training presentations, workshops and teaching materials for the members of ACCP. In addition to the many service contributions to ACCP, Dr. Haines has been an outstanding mentor for new and continuing members of ACCP and he has created opportunities for numerous members of ACCP to grow and develop their own outstanding careers

Joseph DiPiro, dean and professor at the Virginia Commonwealth University School of Pharmacy, added in support of Dr. Haines' nomination:

> What is more difficult to see in the list of his committees and offices is the high level of enthusiasm that he consistently brings to all of his efforts with the College. He has had a substantive role in almost every ACCP meeting over the past 15 years. I am not certain what role that his involvement in other organizations plays in the Award decision, however, if you add all of his ACCP contributions to what he has done in other pharmacy organizations such as APhA and AACP it is really quite impressive. In each of his organizational roles I believe that he has a significant positive influence, one that is an inspiration to his colleagues and a role model for young faculty members and practitioners. Looking at the scope and longevity of his contributions it is hard to imagine a better candidate for the Elenbaas Service Award.

At the time of his nomination, Haines had published more than 125 peer-reviewed manuscripts, book chapters, or abstracts. He is an active reviewer and editorial board member, serving on the editorial or editorial advisory boards of numerous journals, including the *American Journal of Health-System Pharmacy, American Journal of Pharmaceutical Education, Annals of Pharmacotherapy, Journal of the American Pharmacists Association, Diabetes Forecast, Current Medical Research and Opinion,* and *Pharmacotherapy.* Haines is a Fellow of ACCP, the American Pharmacists Association, and the American Society of Health-System Pharmacists. In addition, he has received numerous awards, including the ACCP Education Award, the University of Maryland Teaching Excellence Award, and the Robert G. Leonard Lecture Award from the University of Texas and the Texas Society of Health-System Pharmacists. Haines has also been recognized as a distinguished practitioner and fellow of the National Academies of Practice.

The Education Award recognizes an ACCP member who has made substantial and outstanding contributions to clinical pharmacy education at either the professional or the postgraduate level.

This year's recipient is Kristi W. Kelley, Pharm.D., FCCP, BCPS, BC-ADM, CDE, an associate clinical professor in the Department of Pharmacy Practice at Auburn University Harrison School of Pharmacy; and clinical pharmacist, Continuity Clinics, Brookwood Baptist Internal Medicine Residency Training Program in Birmingham, Alabama. The ACCP Awards Committee noted Kelley's many accomplishments as an educator in both the

professional degree program and postgraduate settings. Dr. Debbie Byrd, dean and professor at the Bill Gatton College of Pharmacy at East Tennessee State University and a member of the ACCP Academy's Teaching and Learning Program faculty, wrote in her letter of support:

> Dr. Kelley consistently has demonstrated teaching excellence in both the classroom and patient care arenas. She has shared her innovations in clinical pharmacy education through numerous international and national presentations and peer-reviewed publications…. She has been central in the development of cutting edge clinical pharmacy education programs, from individual courses to curricular redesign…. The quality of Dr. Kelley's teaching is notable; she has been recognized with several teaching and mentoring awards including Roche Preceptor of the Year, Auburn University Harrison School of Pharmacy (AUHSOP) Preceptor of Excellence, and most recently, the AUHSOP Excellence in Teaching Award. I had the opportunity to review Dr. Kelley's teaching portfolio for this most recent award. I found the advanced pharmacy practice (APPE) learning experience described in her portfolio extends above and beyond the expectations of a typical primary care APPE. The design is not only sound and innovative, but scalable as well…. A description of this work was published last year in the *ACCP Ambulatory Care Pharmacist's Survival Guide*…. She also has at least 10 more education or assessment focused publications, along with numerous national presentations. In addition to pharmacy students, Dr. Kelley routinely teaches pharmacy residents, medical residents, and other health care professionals in her clinical practice…. I find the evidence to support her nomination presented in her CV and teaching portfolio exceptional; not only for the incredible education outcomes achieved over the years, but also for the innovation and confirmation of the quality of her work through publications and awards. Dr. Kelley selflessly shares her clinical and educational expertise through presentations, and service to her institution and a larger audience through ACCP.

At the time of her nomination, Kelley had published more than 30 papers in peer-reviewed journals, written or cowritten 7 book chapters, and presented extensively at professional and scientific meetings (including ACCP meetings). She has also served as the chair of ACCP's Education and Training PRN and as a member or chair of numerous ACCP committees. She was elected as an ACCP Fellow in 2012.

The ACCP Therapeutic Frontiers Lecture Award recognizes an individual, including ACCP member and nonmember nominees, who has made outstanding contributions to pharmacotherapeutics in his or her field. Among the criteria for this award is the broad acknowledgment that the recipient is currently considered at the leading edge of research in the field.

This year's recipient is Michael J. Rybak, Pharm.D., MPH, FCCP, associate dean for research, professor of pharmacy and medicine, and director of the Anti-infective Research Laboratory at Wayne State University in Detroit, Michigan. He has distinguished himself as a nationally and internationally recognized researcher in infectious diseases pharmacotherapy. A focus of his work has been the pharmacokinetics and pharmacodynamics of antimicrobials in the treatment of gram-positive infections. Dr. Arnold Bayer, a professor of medicine in the David Geffen School of Medicine at the University of California Los Angeles (UCLA) and associate chief of adult infectious disease in the Los Angeles Biomedical Institute at Harbor-UCLA Medical Center, wrote in his letter of support:

> It is clear that Mike has been a "super-productive" investigator over the years, publishing more than 300 research papers. This is a publication record comparable to any top notch ID scientist currently in the field that I am aware of. In terms of advancing the field, Mike's principal contribution, in my view, was the invention of the PK-PD chamber model that simulated endovascular infections ("artificial vegetations"). This new *ex vivo* model, for the first time, provided pharmacologists, microbiologists and ID investigators a way to look at "real time" PK-PD that mimicked human-like metrics. This model has allowed the simultaneous evaluation of many different antimicrobial agents at varying PK-PD regimens in terms of *both efficacy and evolution of antimicrobial resistance*. These are terribly important parameters for which Mike's model has permitted parallel observations! Of note, the relevance of his chamber model has been confirmed by showing the close microbiologic outcomes of his model with experimental endocarditis in rodents. It should be underscored that other groups have used and modified Mike's model to allow manipulation of the "fluid" component of the chamber by adding in "host defense cells" (e.g., platelets or PMNs) to more closely simulate the human endovascular environment…. To further endorse the high standing Mike has in the ID field, his work has been duly and continuously recognized by funding organizations for more than 20

years, including multiple pharmaceutical companies as well as the NIH…. Mike's academic record, grant-gathering, international reputation, training of young researchers and students, and overall scientific contributions would place him in the top rung of ID investigators throughout the UCLA system. He is highly deserving of your organization's Award.

At the time of his nomination, Rybak had published 308 peer-reviewed manuscripts, 16 book chapters, and countless scientific abstracts. He also has directed the training of 37 pharmacist, physician, or Ph.D. research fellows. Rybak is currently the editor-in-chief of the journal *Infectious Diseases and Therapy* and has served as an editorial board member of *Critical Reviews in Microbiology* since 2008. He is a reviewer for numerous prestigious journals, including the *Annals of Internal Medicine*, *Antimicrobial Agents and Chemotherapy, Clinical Infectious Diseases, Clinical Pharmacokinetics, Drugs, Journal of Infectious Diseases,* and *Pharmacoeconomics*. Rybak has served as a scientific editor for *Pharmacotherapy* since 1996. He has been elected as an ACCP Fellow and a fellow of the Infectious Diseases Society of America. He has received numerous national and international awards for his work, including the 2005 ACCP Russell R. Miller Award, the Wayne State University Distinguished Alumni Award, and numerous teaching awards. Rybak is also a founding member, past board member, and past president of the Society of Infectious Diseases Pharmacists. His Therapeutic Frontiers Lecture, titled "Antimicrobial Combination Therapy for Life Threatening Bacterial Infections; A Bedside to Bench Approach," will be delivered at 10:45 a.m. on Sunday, October 23, in Hollywood.

The ACCP Clinical Practice Award is given to a College member who has made substantial and outstanding contributions to clinical pharmacy practice. The criteria considered in identifying potential candidates include exceptional leadership in developing innovative clinical pharmacy services and sustained excellence in providing them.

This year's recipient is Daniel M. Witt, Pharm.D., FCCP, BCPS, a professor (clinical) and vice chair in the Department of Pharmacotherapy at the University of Utah College of Pharmacy in Salt Lake City, Utah. Witt, an accomplished primary care clinical pharmacist, has been instrumental in the development and study of innovative, comprehensive clinical pharmacy services in the ambulatory care setting at Kaiser Permanente Colorado (KPCO). The focus of much of his work has been the development of clinical pharmacy services in anticoagulation and cardiology. Drs. Karen McConnell and Nathan Clark highlighted Witt's contributions to KPCO in their letter of nomination:

> Dr. Witt joined Kaiser Permanente Colorado (KPCO) in 1993 where he established an innovative primary care clinical pharmacy practice. Working closely with primary care physicians and staff, Dr. Witt provided comprehensive pharmaceutical interventions to patients entrusted to his care. In addition, Dr. Witt was an educator and preceptor for primary care specialty residents and pharmacy students. It was during his time in primary care where Dr. Witt developed his passion for anticoagulation therapy management. Physician partners relied heavily on his services and word quickly spread to neighboring KPCO medical office buildings of the excellent anticoagulation clinical program at the KPCO Westminster facility…. The anticoagulation program continued to expand informally, but demand quickly outpaced capacity. Thus, four years after joining KPCO, Dr. Witt developed a business case to centralize anticoagulation services at KPCO. The Clinical Pharmacy Anticoagulation Service (CPAS) was born. As the supervisor, it was Dr. Witt's responsibility to obtain funding, recruit, hire and train personnel as well as develop and maintain medication management protocols. The anticoagulation service quickly became one of the largest in North America and currently cares for over 9,000 anticoagulated patients…. Dr. Witt has played a central role in the development, funding, and leadership of many of the innovative clinical pharmacy services at KPCO. Although he has pursued other opportunities with the University of Utah, Dr. Witt's mentoring over two decades at KPCO remains in the DNA of more than 100 clinical pharmacy specialists, dozens of resident[s] and countless students who emulate his leadership in pharmacy roles today. Dr. Witt's creativity and determination played a central role in the development of ambulatory clinical pharmacy programs that have been recognized internationally as a model for clinical pharmacy in a modern health care organization.

Dr. Dennis Helling, executive director emeritus of pharmacy utilization and therapeutics at KPCO, founding ACCP member, and past ACCP president, added in his letter of support:

> Dr. Witt has exceeded all expectations as a clinician, scholar, and leader. As you can see from his impressive *curriculum vitae*, [he] had such success as a clinician in Primary Care clinical pharmacy practice that the KP physicians quickly entrusted him with their most difficult patients…. Dr. Witt has been the consummate

pioneer, advancing clinical pharmacy through organizational leadership in ASHP, ACCP (Research Institute Trustee), International Anticoagulation Forum (Board of Directors), and the International Society of Thrombosis and Hemostasis. In addition, his prolific practice-based research agenda has been recognized by state and national awards, including the 2001 Patient Safety Award for Ambulatory Health Care by the Colorado Coalition of Patient Safety, the 2005 ASHP Foundation Literature Award for Pharmacy Practice Research, and the 2013 ASHP Foundation Literature Award for Drug Therapy Research…. Dr. Witt has authored or co-authored over 60 publications, many of which are published in high-impact medical journals such as *Blood, CHEST, Journal of Thrombosis and Haemostasis, Archives of Internal Medicine, JAMA, Internal Medicine* and *Pharmacotherapy.* Furthermore, he further pioneered a vanguard research program for the PGY2 ambulatory care specialty residency program at Kaiser Permanente Colorado, which has had unparalleled success with publication of the more than 90% of residents' projects in the peer-reviewed literature.

At the time of his nomination, Witt had published 15 review papers, 45 original research articles, and 10 book chapters. He serves as a peer reviewer for many journals, including the *American Journal of Medicine, CHEST, JAMA, JAMA Internal Medicine, Journal of the Canadian Medical Association, Journal of Thrombosis and Thrombolysis, Pharmacogenomics*, and *Pharmacotherapy*. He has served as a member of ACCP committees, the PSAP editorial board, and the ACCP Research Institute Board of Trustees. Witt has received numerous professional awards and honors, and he was recognized as an ACCP Fellow in 2004.

2016 ACCP Annual Meeting Early-Bird Registration Rates Expire September 16

Don't miss the opportunity to join your colleagues at the 2016 ACCP Annual Meeting, October 23–26, in Hollywood, Florida. Register now at www.accp.com/am for early-bird registration rates and begin building your Annual Meeting itinerary.

Engaging Educational Programing

The 2016 ACCP Annual Meeting will offer new and engaging programming developed by leading clinical pharmacy practitioners and researchers. The meeting schedule of events includes 13 core educational sessions developed by the 2016 Annual Meeting Program Committee, 23 highly specialized PRN focus sessions addressing the latest information in specific therapeutic and practice areas, ACCP Academy core programming focused on key professional development issues, the Residency and Fellowship Forum, ACCP's Clinical Pharmacy Challenge, and much more!

Extensive Premeeting Symposia

Premeeting symposia will be held Saturday, October 22, providing registrants with a wide selection of symposia to choose from, including:

- Board of Pharmacy Specialties–approved educational sessions for specialty recertification in ambulatory care pharmacy, critical care pharmacy, pediatric pharmacy, and pharmacotherapy
- ACCP Academy primers
- The resident and new practitioner program *Chart the Course of Your Professional Future*
- The popular student program *Emerge from the Crowd: How to Become a Standout Residency Candidate*

Separate registration is required for the premeeting symposia.

Hotel and Meeting Registration

ACCP has selected the Diplomat Resort & Spa as its headquarters hotel. Make your hotel reservations now, and take advantage of the specially discounted ACCP room rates. For complete information on the Diplomat Resort & Spa, including online reservations, visit www.accp.com/am.

Early-bird registration rates expire September 16. Register online today to take advantage of these savings!

Highlights from the CMM Effectiveness and Implementation Grant: A Report from the Study Team

Each quarter, the *ACCP Report* features a column written by the CMM study team that provides ACCP members with highlights and learnings from the CMM project. The previous reports for January, March, and June 2016 can be found at www.accp.com/report/archives.aspx.

Starting with this report, we will provide an update on study progress as well as highlight a particular aspect of our work in the Research Insights section. Our goal is to share the key learnings emerging from our efforts.

Study Updates

To revisit the aims of the study, see the June 2016 *ACCP Report* at www.accp.com/docs/report/0616.pdf.

As a key component of aim 1, we launched a demographic and baseline CMM survey to all lead pharmacists within each of our sites. The pharmacists have now completed the baseline surveys, and we are analyzing the data. The survey findings will describe each site in greater detail as well as highlight the state of CMM within each practice. As a follow-up to the baseline survey, we will interview all sites in October to learn more about their CMM practice models, their capacity for CMM service development and refinement, and the practice management system that supports the delivery of CMM within the primary care practice. We will share the findings from the surveys and interviews later this year.

We continue to develop our plans to launch the rapid-cycle testing of CMM within the primary care medical practices, which is the focus of aims 2 and 3. This effort is being led in partnership with our colleagues at the National Implementation Research Network (NIRN). A key component of aims 2 and 3 is an assessment of the fidelity of CMM delivery (i.e., is CMM being delivered as defined and as intended), as well as site visits to learn more about how CMM is operationalized within each practice. For more insight into the implementation science frameworks and methodologies guiding our efforts, attend the programming session titled "Implementation Science: Application to CMM" at the upcoming ACCP Annual Meeting at 9:15 a.m. on Monday, October 24, 2016. Caryn Ward, Ph.D., senior implementation scientist at NIRN, will help lead this session.

We have confirmed the members of our two major stakeholder groups: the CMM Grant Steering Committee and the Payer and Policy Advisory Board. The CMM Grant Steering Committee will hold its first meeting at the University of North Carolina (UNC) Eshelman School of Pharmacy in Chapel Hill, North Carolina, on September 22 and 23, 2016. The Payer and Policy Advisory Board will convene in Washington, D.C., on Friday, October 7. Members of the CMM Grant Steering Committee are Amanda Brummel, Pharm.D.; Geoffrey Curran, Ph.D., M.A.; Grace Kuo, Pharm.D., MPH, Ph.D.; Mark Loafman, M.D., MPH; Marie Smith, Pharm.D.; and Ed Webb, Pharm.D., MPH. The Payer and Policy Advisory Board consists of two national payers, including representation from AHIP (America's Health Insurance Plans), two regional health plans, and two representatives from provider-led accountable care organizations who are engaged in risk-based contracting with public and commercial payers. We look forward to sharing our efforts to date with the two groups and, importantly, to gathering their insight into shaping key aspects of the study moving forward. In early October, we will also share insights from the study at a Capitol Hill briefing, which has been arranged through the UNC Eshelman School of Pharmacy's Center for Medication Optimization through Practice and Policy in collaboration with ACCP.

Jen Carroll, M.D., MPH, and Wilson Pace, M.D., with the American Academy of Family Physicians National Research Network and DARTNet Institute, respectively, have been instrumental in leading our efforts to formally evaluate the impact of CMM on important outcomes (aim 4 of the study). Our CMM Grant Steering Committee as well as our Payer and Policy Advisory Board will play a key role in reviewing and validating our approach to this aim. Our formal evaluation will take place in year 2 of the study.

Research Insights: Creating a Common Language for CMM

An instrumental area of emphasis at the start of our study was in developing a "common language document" for CMM. Our implementation science colleagues at NIRN advised us that an important first step in implementing and spreading an innovation is to describe the core activities that allow an intervention or program to be teachable, learnable, doable, and measurable in practice and to promote consistency across practitioners at the level of actual service delivery. Although existing resources and guidelines define and comprehensively describe CMM,[1-5] none actually does so at the level of depth that meets the NIRN's definition.

Thus, an important area of focus during the early part of our study was applying the NIRN's principles and methodologies for defining a "usable innovation" by creating essential functions and operational definitions for CMM. For example, existing CMM resources outline that a critical step of the CMM patient care process is to "develop a care plan"; however, these resources do not establish specificity or operationally define the steps involved in developing a care plan to the degree necessary to replicate the intervention, measure its fidelity, or ensure that it is operationalized consistently.

Why is this level of detail necessary? The NIRN has discovered and observed throughout its decades of work that the lack of an adequately defined innovation (or intervention) is a major impediment to implementation, thereby limiting the ability to achieve desired outcomes. All too often, the innovation is not well defined, leading to an innovation that is inadequately implemented and desired outcomes that are not achieved. The systematic review and meta-analysis of medication therapy management in outpatient settings published in *JAMA Internal Medicine* in 2015 notes this as well.[6] In this review, the authors concluded that most studies fail to sufficiently describe the medication therapy management intervention in a manner that allows

for replication and scale, and when the intervention was discussed, it was limited in scope with considerable variation across studies. They concluded that "new research, regardless of specific focus, will likely continue to find inconsistent results until underlying sources of heterogeneity are accounted for." Having a proper level of specificity for the innovation also provides an opportunity for us to measure fidelity and ensure that the innovation is implemented as intended. Without this, it would be difficult to draw any real meaning from studies assessing pharmacist impact on patient outcomes.

Using the methodology outlined by NIRN,[7] our study team is completing the CMM common language document and validating its implementation across the sites enrolled in our study. We also anticipate that creating this common language will support many efforts to teach and spread CMM that extend well beyond this study. Our research team will present a poster at the ACCP Annual Meeting in October 2016 that describes the CMM common language and highlights the methodology used in creating the document. Please stop by our poster to learn more and to share your insights.

On behalf of the investigators and study personnel, we hope these highlights are informative. Please feel free to reach out to Mary Roth McClurg at mroth@unc.edu or Todd Sorensen at soren042@umn.edu at any time with questions or insights.

1. American College of Clinical Pharmacy (ACCP). Standards of practice for clinical pharmacists. Pharmacotherapy 2014;34:794-7.
2. American College of Clinical Pharmacy (ACCP). Comprehensive Medication Management in Team-Based Care. 2016. Available at https://www.accp.com/docs/positions/misc/CMM%20Brief.pdf. Accessed September 14, 2016.
3. Patient-Centered Primary Care Collaborative (PCPCC). The Patient-Centered Medical Home: Integrating Comprehensive Medication Management to Optimize Patient Outcomes Resource Guide, 2nd ed. Washington, DC: PCPCC, 2012. Available at www.pcpcc.org/sites/default/files/media/medmanagement.pdf. Accessed September 14, 2016.
4. Joint Commission of Pharmacy Practitioners (JCPP). Pharmacists' Patient Care Process. May 29, 2014. Available at https://www.pharmacist.com/sites/default/files/files/PatientCareProcess.pdf. Accessed September 14, 2016.
5. Cipolle RJ, Strand L, Morley P. Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management, 3rd ed. New York: McGraw-Hill, 2012.
6. Viswanathan M, Kahwati LC, Golin CE, et al. Medication therapy management interventions in outpatient settings: a systematic review and meta-analysis. JAMA Intern Med 2015;175:76-87.
7. National Implementation Research Network (NIRN); Metz A. Practice Profiles: A Process for Capturing Evidence and Operationalizing Innovations. January 2016. Available at http://nirn.fpg.unc.edu/sites/nirn.fpg.unc.edu/files/resources/NIRN-Metz-WhitePaper-PracticeProfiles.pdf. Accessed September 14, 2016.

Research Institute and *Pharmacotherapy* Open House

Tuesday, October 25, 2016
8:00 a.m. – 10:00 a.m.
Diplomat Resort & Spa, Great Hall 5

Please join us for an Open House during the 2016 ACCP Annual Meeting in Hollywood, Florida, to learn how to get more involved with the ACCP Research Institute (RI) or *Pharmacotherapy*, the official journal of ACCP.

During the first hour, featured individuals will share their personal testimonials on collaborating as part of the ACCP Practice-Based Research Network (PBRN). During the remainder of the Open House, you will have the opportunity to speak directly with board members and advisory panel members from the RI and *Pharmacotherapy*, specifically about:

- Manuscripts of interest development – Jerry Bauman and Stuart Haines
- *Pharmacotherapy* reviewer opportunities – James Tisdale
- *Pharmacotherapy* editorial board member opportunities – Edith Nutescu
- Questions and answers with the editor – C. Lindsay DeVane
- Scientific abstract reviewer opportunities – Denise Rhoney and Alan Zillich
- Researcher development: Focused Investigator Training (FIT), Mentored Research Investigator Training (MeRIT), and ACCP Academy Research and Scholarship Certificate – Program faculty/mentors and mentees
- Research funding available through the RI Student/Resident and Junior Investigator Futures Grants – RI trustees

- ACCP PBRN involvement as a clinician or researcher – PBRN Community Advisory Panel (CAP)
- PBRN collaborations and research development experiences and discussion on future opportunities – CAP, PBRN collaborators, and PBRN director

Information Available for Pickup at the Open House:

- Promotional flyer for Tuesday morning and afternoon Annual Meeting sessions: The Fundamentals of Providing Excellent Manuscript Peer Reviews (10:15 a.m. – 11:45 a.m.) and Reviewing Abstracts with Excellence (3:15 p.m. – 4:45 p.m.)
- Editorial board member description
- Scientific editor description
- Call for papers
- Investigator training brochures
- Futures Grants information
- Abstract reviewer information

Register for ACCP Academy Fall Programming

American College of Clinical Pharmacy ACADEMY

There is still time to register for ACCP Academy fall programming to be offered at the 2016 ACCP Annual Meeting, October 23–26, in Hollywood, Florida. Choose from three unique professional development tracks that lead to certificates of completion: Leadership and Management, Research and Scholarship, and Teaching and Learning. Each program comprises required and elective programming, beginning with the prerequisite "primers," which will be offered as premeeting symposia at the ACCP Annual Meeting on Saturday, October 22.

The following ACCP Academy programming will be offered at the meeting:

Leadership and Management Certificate Program

- Leadership Primer, I—October 22
- Leadership Primer, II—October 24
- Imposters, Negotiators, Mentors, and Perfectionist: A Journey to Confident Leadership—October 24
- The Application of Adaptive Leadership in Pharmacy (Elective)—October 25
- Personal Leadership Development (Module 1)—October 26

Research and Scholarship Certificate Program

- Research Primer (Prerequisite)—October 22
- Research Basics (Module 1)—October 22
  This module has been rescheduled from Monday, October 24, 2016. It is not part of the Annual Meeting Presymposia.
- Conducting Practice-Based Research to Improve Patient Care (Elective)—October 23
- Pharmaceutical Industry PRN and Health Outcomes PRN Focus Session—Cost-efficacy vs. Clinical Efficacy and the Impact on Clinical Choice (Elective)—October 25

Teaching and Learning Certificate Program

- Teaching and Learning Primer (Prerequisite)—October 22
- Wikipedia—Learning Locally While Contributing Globally (Elective)—October 24
- Planning for Effective Teaching (Module 1)—October 25
- Preceptor Development: Educational Strategies for Improving Student Practice-Based—October 26

Leadership Primer I, Research Primer, and Teaching and Learning Primer are part of the Annual Meeting Presymposia. Separate registration is required.

To learn more about meeting details, view the schedule, and register, click here. The early registration deadline is September 16, 2016.

Attention Students and Postgraduate Trainees: Take Advantage of ACCP's On-Demand CV Review Service

A well-written curriculum vitae (CV) creates a positive image to future selection committees or employers and distinguishes you from the rest of the crowd. As questions arise in preparing your CV, and once finished, wouldn't it be helpful to have a seasoned professional review it?

You can now submit your CV online as a PDF document and have it assigned to an ACCP member volunteer reviewer. The reviewer will provide suggestions, and you will receive an e-mail containing feedback from the reviewer within 14 business days.

The CV Review Service is open year-round so that you can upload your CV for review anytime you choose. You can also receive input on your CV from a second reviewer, if you wish. This option automatically appears when you sign in to your ACCP account after receiving feedback from your initial reviewer. Also, when preparing your CV for review, be sure to take advantage of ACCP's other web-based resources. Learn the basics of CV formatting, view example CVs, and access valuable CV pearls that provide practical insights in developing a CV.

For more information regarding the On-Demand CV Review Service or to submit your CV, click here.

President's Column

Terry L. Seaton, Pharm.D., FCCP, BCPS

2016 Deliverables: ACCP Committee and Task Force Productivity

The end of summer coincides with the wrapping up of a tremendous amount of work accomplished by the talented and dedicated members of ACCP's committees and task forces. Each year, the Board of Regents (BOR) develops and finalizes charges for the committees and task forces that address specific strategic objectives and update existing ACCP publications. Although this year's charges were extensive and challenging, the appointed chairs and vice chairs, members, and BOR liaisons boldly accepted their responsibility and have done a superb job in completing their tasks. Below is a brief summary of some of the key deliverables that ACCP members can expect to hear more about over the coming months.

The Certification Affairs Committee is finalizing an update of the 2008 "Clinical Pharmacist Competencies" white paper. This revision will consider key developments related to contemporary board certification, residency training, Pharm.D. education, and other relevant work. Moreover, the modified competencies have been aligned with the structural domains and components of the competencies articulated by the Accreditation Council for Graduate Medical Education.

Of importance, the Certification Affairs Committee has worked very closely with the Clinical Practice Affairs Committee, which has also been updating another 2008 ACCP publication—"Template for the Evaluation of a Clinical Pharmacist." This tool includes the essential tasks of contemporary clinical pharmacy specialists that may be used by employers or clinical pharmacist supervisors to assess performance. The template contains suggested examples of data that may be used for performance assessment as well as sample criteria that define successful performance. We believe these two companion papers will be extremely useful for health care organizations that provide clinical pharmacy services in the United States and internationally.

The Educational Affairs Committee has done an outstanding job of updating the 2009 Pharmacotherapy Didactic Curriculum Toolkit. The committee revised the tier definitions for the toolkit's recommendations and addressed the 2016 standards of the Accreditation Council for Pharmacy Education. The 2016 toolkit, to be released soon, contains 275 diseases and content topics that may be used to guide curricular change. I strongly believe that pharmacy educators will find the new toolkit a highly valuable resource.

The Member Relations Committee has provided the BOR with thoughtful and practical recommendations to assist ACCP members who are clinician-educators in balancing clinical practice, education, and scholarly expectations. The BOR is strongly considering the development of a mentoring program for clinician-educators that will be similar in structure to the existing ACCP mentoring program for pharmacy residents and fellows. The committee has done an excellent job of stating program goals and mentor/mentee responsibilities. Look for more information on this topic in 2017.

The Public and Professional Relations Committee creatively attacked its charge of generating a prioritized list of potential "TED-like" talks that should be developed by ACCP. I believe this committee may have had the most entertaining charge of all the committees and task forces. However, it also involved a daunting amount of work! The suggested topics address key themes like comprehensive medication management, team-based practices, and research and scholarly activity. The proposed scripts target several possible audiences. In short, the BOR has some excellent ideas and storyboards to consider and is very much looking forward to producing these, beginning in 2017.

The Publications Committee is completing its draft of a new white paper on natural products that will replace a 2000 ACCP publication on herbal products. This paper is very comprehensive and well written, and I am confident that it will be used by many, if not most, ACCP members.

The Research Affairs Committee has worked very hard to pen an ACCP commentary titled "The Importance of Research and Scholarly Activity in Pharmacy Training." The BOR believes this paper effectively states the benefits of providing opportunities for students and residents to engage in meaningful scholarship. The paper cogently argues for supporting research and scholarship within our professional degree and training programs.

The Task Force on Collaborative Research Opportunities has developed a proposal to the BOR for a program that is designed to foster collaborative research. The program will target clinicians with less research experience and/or limited time dedicated to research. Ideally, the program will provide attendees with practical strategies to collaborate with others in conducting successful research projects.

Finally, I want to specifically acknowledge the fantastic output from the leaders and members of the National Student Network Advisory and Resident Advisory committees. They have completed an

impressive volume and quality of work and have done so while maintaining their busy "day jobs" as students and residents. I thank them for applying the dedication and persistence necessary to accomplish their charges!

As you can see, the year since the 2015 ACCP Global Conference on Clinical Pharmacy in San Francisco has been busy and productive for ACCP committees and task forces! On behalf of ACCP members and the BOR, I congratulate and thank all who have volunteered their time to the benefit of the College. I particularly want to thank those who worked tirelessly on committees that have annual—but necessary—charges, such as the Annual Program committees (2016 and 2017), Credentials: Fellowship (FCCP) Committee, Credentials: Membership Committee, Awards Committee, and Nominations Committee. Their work is critically important to the support of ACCP members, yet they are often under-recognized for their important contributions and accomplishments. I also want to sincerely thank the ACCP staff for the incredibly valuable support they have provided to our committee members and chairs. Each year at this time, I am reminded that ACCP is a unique organization—with a unique professional culture—that greatly contributes to the pharmacy profession and to society. It is truly an honor and a privilege to serve as your president this year. Thank you again for all you do!

Call for Nominations

All nomination materials, including letters, curricula vitae or resumes, and other supporting documents, can be submitted online to ACCP. The online nominations portal specifies the nominating materials required for each award, honor, and elective office. This portal is available at www.accp.com/membership/nominations.aspx.

PLEASE NOTE:

Due November 30, 2016 – Nominations for the fall 2017 awards (Clinical Practice, Education, Russell R. Miller, and Elenbaas Service awards), the 2018 Therapeutic Frontiers Lecture, and the 2018 elected offices.

Due February 15, 2017 – Nominations for the 2017 "new" awards (New Clinical Practitioner, New Educator, and New Investigator), the 2017 Parker Medal, and the 2017 ACCP Fellows (FCCPs).

2017 ACCP Fellows: Fellowship is awarded in recognition of continued excellence in clinical pharmacy practice or research. Nominees must have been Full Members of ACCP for at least 5 years, must have been in practice for at least 10 years since receipt of their highest professional pharmacy degree, and must have made a sustained contribution to ACCP through activities such as presentation at College meetings; service to ACCP committees, PRNs, chapters, or publications; or election as an officer. Candidates must be nominated by any two Full Members other than the nominee, by any Fellow, or by any member of the Board of Regents. Current members of the Board of Regents, Research Institute Board of Trustees, *Pharmacotherapy* Board of Directors, or Credentials: FCCP Committee are ineligible for consideration. **Nomination deadline: February 15, 2017.**

2018 Officers and Regents: President-Elect, Regents, Treasurer, and Research Institute Trustees. Nominees must be Full Members of ACCP and should have (1) achieved excellence in clinical pharmacy practice, research, or education; (2) demonstrated leadership capabilities; and (3) made prior contributions to ACCP. Current members of the Nominations Committee are ineligible. Please note that any qualifying Full Member may nominate himself or herself for office. **Nomination deadline: November 30, 2016.**

2017 Clinical Practice Award: Recognizes an ACCP member who has developed an innovative clinical pharmacy service, provided innovative documentation of the impact of clinical pharmacy services, provided leadership in developing cost-effective clinical pharmacy services, or shown sustained excellence in providing clinical pharmacy services. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support from a minimum of two ACCP members that describe the individual's accomplishments relative to the award criteria. At least one of the required letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support may be provided, including letters from non-ACCP members. Self-nominations are not permitted. Current members of the Board of Regents, Research Institute Board of Trustees, *Pharmacotherapy* Board of Directors, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: November 30, 2016.**

2017 Education Award: Recognizes an ACCP member who has shown excellence in the classroom and/or clinical training site, conducted

innovative research in clinical pharmacy education, demonstrated exceptional dedication to continuous professional development, or shown leadership in developing clinical pharmacy education programs. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support from a minimum of two ACCP members that describe the individual's accomplishments relative to the award criteria. At least one of the required letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support may be provided, including letters from non-ACCP members. Self-nominations are not permitted. Current members of the Board of Regents, Research Institute Board of Trustees, *Pharmacotherapy* Board of Directors, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: November 30, 2016.**

2017 Russell R. Miller Award: Recognizes an ACCP member who has made substantial contributions to the literature of clinical pharmacy, either in the form of a single, especially noteworthy contribution or sustained contributions over time. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support from a minimum of two ACCP members that describe the individual's accomplishments relative to the award criteria. At least one of the letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support may be provided, including letters from non-ACCP members. Self-nominations are not permitted. Current members of the Board of Regents, Research Institute Board of Trustees, *Pharmacotherapy* Board of Directors, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: November 30, 2016.**

2018 Therapeutic Frontiers Lecture: Honors an internationally recognized scientist whose research is actively advancing the frontiers of pharmacotherapy. Recipients need not be ACCP members. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support from a minimum of two ACCP members that describe the individual's accomplishments relative to the award criteria. At least one of the required letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support may also be included. Current members of the Board of Regents, Research Institute Board of Trustees, *Pharmacotherapy* Board of Directors, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: November 30, 2016.**

Robert M. Elenbaas Service Award: Given only when a particularly noteworthy candidate is identified in recognition of outstanding contributions to the vitality of ACCP or to the advancement of its goals that are well above the usual devotion of time, energy, or material goods. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support from a minimum of two ACCP members that describe the individual's accomplishments relative to the award criteria. At least one of the required letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support may also be included. Current members of the Board of Regents, Research Institute Board of Trustees, *Pharmacotherapy* Board of Directors, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: November 30, 2016.**

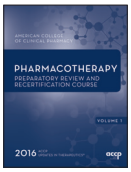
2017 Paul F. Parker Medal for Distinguished Service to the Profession of Pharmacy: Recognizes an individual who has made outstanding and sustained contributions to improving or expanding the profession of pharmacy in an area of professional service—including, but not limited to, patient care, leadership, administration, finance, technology, information processing, service delivery, models of care, and advocacy. The award is not limited to pharmacists or ACCP members. All nominations must consist of a letter detailing the nominee's qualifications for this award and his or her contributions to the profession of pharmacy; the nominee's curriculum vitae, resume, or biographical sketch as available; and a minimum of three letters of recommendation. At least one of these letters must be from an individual outside the nominee's current practice locale. Current members of the Board of Regents, Research Institute Board of Trustees, *Pharmacotherapy* Board of Directors, Parker Medal Selection Committee, or ACCP staff are ineligible. **Nomination deadline: February 15, 2017.**

2017 New Clinical Practitioner Award: This award recognizes a new clinical practitioner who has made outstanding contributions to the health of patients and/or the practice of clinical pharmacy. Nominees must have been Full Members of ACCP at the time of nomination and members at any level for a minimum of 3 years. In addition, nominees must have completed their terminal pharmacy training or degree (whichever

is most recent) within the past 6 years. Fellows of ACCP (i.e., "FCCPs") are ineligible. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support (also from ACCP members) that describe the individual's accomplishments relative to the award criteria. At least one of the letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support may be provided, including letters from non-ACCP members. Self-nominations are not permitted. Current members of the Board of Regents, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: February 15, 2017.**

2017 New Educator Award: This award recognizes and honors a new educator for outstanding contributions to the discipline of teaching and to the education of health care practitioners. Nominees must have been Full Members of ACCP at the time of nomination and members at any level for a minimum of 3 years. In addition, nominees must have completed their terminal pharmacy training or degree (whichever is most recent) within the past 6 years. Fellows of ACCP (i.e., "FCCPs") are ineligible. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support (also from ACCP members) that describe the individual's accomplishments relative to the award criteria. At least one of the letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support may be provided, including letters from non-ACCP members. Self-nominations are not permitted. Current members of the Board of Regents, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: February 15, 2017.**

2017 New Investigator Award: This award highlights the research program of an ACCP member who has made a major impact on an aspect of clinical pharmaceutical science. Nominees must have been at the time of nomination members of ACCP for more than 3 years; they must have a research program with a significant publication record having a programmatic theme or an especially noteworthy single publication; and it must have been less than 6 years since completion of their terminal training or degree, whichever is most recent. Fellows of ACCP (i.e., "FCCPs") are ineligible. All nominations must include a letter of nomination from an ACCP member detailing the nominee's qualifications for the award, the nominee's curriculum vitae, and two letters of support (also from ACCP members) that describe the individual's accomplishments relative to the award criteria. At least one of the letters of support must be from an individual outside the nominee's current place of employment. Additional letters of support are allowed, including letters from non-ACCP members. Self-nominations are not permitted. Current members of the Board of Regents, Awards Committee, or ACCP staff are ineligible. **Nomination deadline: February 15, 2017.**



2016 Preparatory Review Home Study Materials Now Available as Full Courses or Individual Course Modules

ACCP's preparatory review home study materials offer comprehensive reviews of the full scope of the ambulatory care pharmacy, critical care pharmacy, pediatric pharmacy, and pharmacotherapy specialties. Each home study course offers a detailed two-volume workbook addressing key therapeutic areas and providing over 200 case-based questions and answers for effective learning and self-assessment. The home study materials also provide learners with access to lectures delivered at ACCP's nationally recognized Updates in Therapeutics® live review course, held April 2016.

Purchase the Full Course or Select Individual Course Modules

New for 2016, ACCP has made its premier preparatory review course products available in smaller individual modules. Each module includes the relevant workbook, PDFs of presenter slide decks, audio recordings of the associated presentations, and continuing pharmacy education (CPE) credit.

Earn CPE Credit

Each course and individual module offers CPE credit. To earn CPE credit, participants must successfully complete and submit the associated web-based posttest(s) by October 31, 2017.

Affordably Priced and Conveniently Accessible

ACCP's home study materials can be accessed online at any time and from any location. Orders for the ambulatory care pharmacy, critical care pharmacy, pediatric pharmacy, and pharmacotherapy preparatory review course instructional materials may be placed online at www.accp.com/bookstore or by telephone at (913) 492-3311. Learning objectives, faculty disclosures, target audience, program goals, technical requirements, and samples of each course are available at www.accp.com/bookstore.

Mark Your Calendar: ACCP's Updates in Therapeutics® 2017 Will Be Held in February!

Mark your calendar for ACCP's Updates in Therapeutics® 2017 meeting, to be held February 17–19, 2017, at the Hyatt Regency Jacksonville Riverfront hotel in Jacksonville, Florida. ACCP Updates in Therapeutics® preparatory review and recertification courses are designed for pharmacy professionals who are preparing for the specialty certification examinations administered by the Board of Pharmacy Specialties, specialists seeking recertification through continuing education, and those seeking a self-paced refresher of pharmacotherapeutic management of specialty-specific conditions and contemporary clinical practice topics.

Attendees will have the option to attend preparatory review and recertification courses in ambulatory care pharmacy, pediatric pharmacy, or pharmacotherapy. Moreover, for those interested in critical care pharmacy or unable to attend the Society of Critical Care Medicine's (SCCM) 46th Critical Care Congress, ACCP will offer an abbreviated encore of the popular ACCP/SCCM Critical Care Pharmacy Preparatory Review and Recertification Course.

ACCP Academy Programming

The three ACCP Academy programs—Leadership and Management, Teaching and Learning, and Research and Scholarship—will be offered in conjunction with Updates in Therapeutics® 2017. These professional development sessions will consist of required and elective modules, according to preestablished course schedules.

Registration for the meeting will open in late October.

ACCP's Clinical Reasoning Series Programs Offer Recertification Credit

Clinical Reasoning Series accp

Make plans to come to Hollywood, Florida, a day early and take one of four Clinical Reasoning Series programs being offered on Saturday, October 22. Take advantage of this unique opportunity to learn about the latest developments in the treatment and management of a variety of therapeutic topics. Develop your skills and gain critical knowledge you can apply to your daily practice. Specialty recertification credit will be available for all four programs. Learn more about each program at www.accp.com/meetings/am16/.

Clinical Reasoning Series in Critical Care Pharmacy—*Management of Patients with Circulatory Shock*

This year's program will provide an in-depth analysis of current strategies for the treatment of patients with circulatory shock and conditions that may lead to circulatory shock, as well as a discussion on the implications for pharmacists' patient care services. Board Certified Critical Care Pharmacists (BCCCPs) and Board Certified Pharmacotherapy Specialists (BCPSs) can earn 6.0 hours of recertification credit. Participants who are certified in *both* critical care pharmacy and pharmacotherapy will earn 6.0 hours of credit toward recertification in *both* specialties.

Clinical Reasoning Series in Pediatric Pharmacy—*The ABC's of Pediatric Epilepsy: From Status Epilepticus to Long-term Seizure Management*

This program will evaluate pharmacologic treatment options for patients who present in status epilepticus, compare the efficacy and toxicities of oral antiepileptic medications used for the treatment of pediatric epilepsy syndromes, and discuss how to design an evidence-based therapeutic plan for treating patients with complex pediatric epilepsy. Board Certified Pediatric Pharmacy Specialists (BCPPSs) can earn 6.0 hours of recertification credit.

Clinical Reasoning Series in Ambulatory Care Pharmacy—*Hepatitis C: The Newest Strategies for Management and Treatment*

This year's program will provide an in-depth analysis of the current evidence on the use of various agents approved for the management of hepatitis C and a discussion on the implications for pharmacist patient care services. Board Certified Ambulatory Care Pharmacists (BCACPs) can earn 6.0 hours of recertification credit.

Clinical Reasoning Series in Pharmacotherapy—*Updates in Challenging Infectious Diseases*

This program will focus on contemporary strategies for the optimal treatment of patients with fungal infections, endocarditis, meningitis, and intra-abdominal infections. It will also explore best practices in the management of resistant gram-negative infections. Sessions will consist of detailed and applicable evidence-based medicine to help clinicians make informed individual patient care decisions and advance pharmacist services. BCPSs can earn 6.0 hours of recertification credit.

To be eligible for specialty recertification credit, the specialist must attend the live program and successfully complete the respective web-based posttest by November 30, 2016. Register now at www.accp.com/meetings/am16 to take advantage of early-bird rates.

ACCP Clinical Pharmacy Challenge Competition Is Under Way

The online rounds of the Clinical Pharmacy Challenge, ACCP's novel, national team competition, began September 8. Now in its seventh year, the competition continues to grow, drawing nationwide participation from 112 institutions representing 45 states and one international university.

The online competition, which concludes September 16, gives eligible teams the opportunity to compete in up to four rounds of competition in which they answer items in each of the competition's distinct segments:

- Trivia/Lightning
- Clinical Case
- Jeopardy-style

The item content used in each segment has been developed and reviewed by an expert panel of clinical pharmacy practitioners and educators. The 2016 ACCP Clinical Pharmacy Challenge Item-Author Panel was led this year by its chair, Andrew Smith, Pharm.D., BCPS.

From the initial field of 112 teams, eight schools will advance to compete in the live round competition in Hollywood, Florida, on October 22–24. Each team member advancing to the quarterfinal rounds will receive a complimentary student full-meeting registration, an ACCP gift certificate for $125, and a certificate of recognition. Quarterfinal teams will be vying for a spot in the final round for a chance to win up to $1500 and the title of Clinical Pharmacy Challenge Champion.

Past winners of the Clinical Pharmacy Challenge are:

- 2010 – University of Minnesota College of Pharmacy
- 2011 – Campbell University College of Pharmacy and Health Sciences
- 2012 – Northeastern University Bouvé College of Health Sciences School of Pharmacy
- 2013 – East Tennessee State University Bill Gatton College of Pharmacy
- 2014 – Purdue University College of Pharmacy
- 2015 – University of Minnesota College of Pharmacy

Who will be crowned the 2016 Clinical Pharmacy Challenge Champion? Join us in Hollywood to find out.

To obtain more information on the Challenge and view a listing of the teams participating and progressing through each of the four online rounds, please visit www.accp.com/stunet/index.aspx.

2016 ACCP Clinical Pharmacy Challenge: Recognizing the Item-Author and Item-Review Committees

Please join ACCP in recognizing the service of the following members of the 2016 ACCP Clinical Pharmacy Challenge Item-Author, Item-Review, and Exam Panel committees. We thank these members for sharing their expertise in developing the items used in this year's national pharmacy student team competition.

2016 ACCP Clinical Pharmacy Challenge Item-Author Committee

Andrew Smith, Pharm.D., BCPS – Chair
Nicole M. Acquisto, Pharm.D., BCPS
Melissa Badowski, BCPS, AAHIVP
Mary Burch, Pharm.D., BCPS
Holly Byrnes, Pharm.D., BCPS
Joshua Caballero, Pharm.D., BCPP
Katie Cardone, Pharm.D., FNKF, BCACP
Elias Chahine, Pharm.D., BCPS-AQ ID
Juliana Chan, Pharm.D., FCCP, BCACP
Judy Cheng, Pharm.D., MPH, FCCP, BCPS
Allison Chung, Pharm.D., FCCP, BCPS
Jennifer Clements, Pharm.D., BCPS, CDE
Andrew Crannage, Pharm.D., BCPS
Rolee Das, Pharm.D., BCPS
Kimberly Elder, Pharm.D., BCPS
Sarah Treadway Eudaley, Pharm.D., BCPS
Alexander Flannery, Pharm.D., BCPS
David Fuentes, Pharm.D., BCPP, CGP
Miki Goldwire, Pharm.D., B.S., BCPS
Thaddeus Hellwig, Pharm.D., BCPS

Meri Hix, Pharm.D., BCPS, CGP
Renee Holder, Pharm.D., BCPS, CPE
Adrianne Irwin, Pharm.D., BCACP
Lynn Kassel, Pharm.D., BCPS
Karen Kier, Ph.D.
Tyree Kiser, Pharm.D., BCPS
Kelly Lempicki, Pharm.D.
Kalen Manasco, Pharm.D., BCPS
Andrew Miesner, Pharm.D., BCPS
Leigh Ann Mike, Pharm.D., BCPS, CGP
Donald Miller, Pharm.D., FASHP
Anna Morin, Pharm.D.
Megan Musselman, Pharm.D., BCPS, BCCCP
LeAnn Norris, Pharm.D., BCPS, BCOP
Jacqueline Olin, Pharm.D., M.S., FCCP, BCPS
Christopher Paciullo, Pharm.D., FCCM, BCPS
Beth Phillips, Pharm.D., FCCP, BCPS
Cindy Sanoski, Pharm.D., FCCP, BCPS
James Scott, Pharm.D., FCCP, AAHIVP
Rebecca Stone, Pharm.D., BCPS, BCACP
Paul Stranges, Pharm.D., BCPS, BCACP
Yasar Tasnif, Pharm.D.
Jodi Taylor, Pharm.D., BCPS
Jennifer Trofe-Clark, Pharm.D., FCCP, FAST
Lynn Nelson Wardlow, Pharm.D., BCPS-AQ ID
Abigail Yancey, Pharm.D., BCPS, BC-ADM, CDE

2016 ACCP Clinical Pharmacy Challenge Item-Review Committee

Jeffrey Barletta, Pharm.D.
Allison Bernknopf, Pharm.D., BCPS
Susan Bruce, Pharm.D., BCPS
John Burke, Pharm.D., FCCP, BCPS
Jacintha Cauffield, Pharm.D., BCPS
Lingtak-Neander Chan, Pharm.D., BCNSP
Timothy Clifford, Pharm.D., BCPS
Tracy Hagemann, Pharm.D., FCCP
Brian Hemstreet, Pharm.D., BCPS
Brian Irons, Pharm.D., FCCP, BCACP
Robert Kuhn, Pharm.D.
Sunny Linnebur, Pharm.D., FCCP, BCPS
Ila Mehra, Pharm.D., FCCP, BCPS
Jamie McConaha, Pharm.D., BCACP
John Murphy, Pharm.D., FCCP, FASHP
Suzanne Nesbit, Pharm.D., BCPS, CPE
Doreen Pon, Pharm.D., BCOP, BCPS
Daniel Riche, Pharm.D., BCPS, CDE
Krista Riche, Pharm.D., BCPS
Sara Richter, Pharm.D., BCPS
David Ritchie, Pharm.D., FCCP, BCPS
Curtis Smith, Pharm.D., BCPS
Zachary Stacy, Pharm.D., BCPS
Deborah Sturpe, Pharm.D., MA, BCPS
Michael Thomas, Pharm.D., BCPS
James Tisdale, Pharm.D., FCCP, BCPS
Katie Vogel Anderson, Pharm.D., BCACP
Stacy Voils, Pharm.D., BCPS
Chris Wood, Pharm.D., FCCP, BCPS

2016 Exam Construct Review Panel

Sandra Benavides, Pharm.D., FCCP, FPPAG
Amie Brooks, Pharm.D., FCCP, BCPS, BCACP
Joel Marrs, Pharm.D., BCPS, CLS
John Murphy, Pharm.D., FCCP, FASHP
Andrew Smith, Pharm.D., BCPS

ACCP PBRN Welcomes Three New CAP Members

The ACCP Practice-Based Research Network (PBRN) is pleased to announce that three new members will join the Community Advisory Panel (CAP). Beginning October 23, 2016, Nicole Acquisto, Michael Dorsch, and Daniel Riche will join current CAP members Collin Hovinga (2015–2016 chair), Bill Baker (2016–2017 chair), Maya Campara, Jeffrey Cies, Robert DiDomenico, Brandon Patterson, and Diana Sobieraj.

The CAP is a standing committee to the ACCP PBRN with the mission of representing the breadth and depth of PBRN members. Furthermore, the CAP is used as a mechanism for obtaining readily available feedback regarding the feasibility and practicality of proposed research projects. You may read more about CAP members by visiting www.accpri.org/cap/index.aspx.

ACCP Member Spotlight: Edward Van Matre

Edward Van Matre, Pharm.D., is a critical care fellow at the University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences in Aurora, Colorado. He received his B.S. degree in biochemistry and molecular biology from Oklahoma State University in Stillwater, Oklahoma, in 2010 and his Pharm.D. degree from the University of Colorado in 2014. After graduation, Van Matre completed a PGY1 pharmacy practice residency at the University of Kentucky in Lexington, Kentucky, and a PGY2 specialty residency in critical care at the University of Colorado.

After completing his PGY2 residency, he began his critical care fellowship at the University of Colorado. This fellowship is multifaceted with a primary focus on clinical and benchtop research, specifically neurocritical

and medical intensive care, as well as direct clinical patient care and didactic teaching. He is also currently enrolled in the M.S. degree program in clinical science at the University of Colorado. His goals on completing this program are to pursue a faculty position at a school of pharmacy and academic medical center and advance the practice of pharmacy and pharmaceutical application in critically ill patients through research.

Van Matre was drawn to clinical pharmacy because of his family's values of altruism and service to the community. His mother is an emergency medicine nurse, and his father is a police officer. Spending countless meals and holidays with his family in an emergency department break room or a police station bullpen, Van Matre knew it was never a question of *if* he wanted to serve the community but *how* he would serve the community. He was originally drawn to the aspects of chemistry and biochemistry in pharmacy, but he took note of the profession's evolving impact within hospital-based clinical settings. On entering pharmacy school, he recognized his ability to make quick decisions on the basis of partial or imperfect data, which drew him to the inpatient setting. He found this setting very rewarding because he could see the direct effects of clinician decisions when working as part of an interdisciplinary team. He was eventually led to critical care when he observed the immediate impact of pharmacotherapy on patient care. He continues to be driven in this field to use his knowledge and apply it through the scientific method to change practice. He hopes to further clinical pharmacy within the critical care setting through scholarship, clinical practice, and education of the next generation of clinical pharmacists.

Van Matre has been guided by a large group of mentors in his pharmacy school, residencies, and fellowship. Van Matre states:

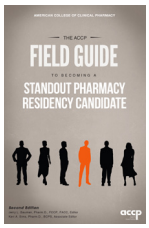
> This group of mentors is as diverse as the membership of ACCP, from junior ambulatory care faculty to fellows of the Society of Critical Care Medicine. They have all invested countless hours providing feedback, providing ideas, being excellent practice role models, and, above all else, listening.

He has particularly appreciated their ability to relate to him on both a personal and a professional level. Through them, he has learned how to lead, offer encouragement to others with a quiet comment, and balance his work and home life. He is very thankful for them, whom he credits as having helped make him a better pharmacist, researcher, educator, and husband.

On a personal note, one of his life goals is to hike all of Colorado's 53 "fourteeners"—mountains 14,000 feet in elevation or higher. Because he grew up in Oklahoma, he did not have many opportunities to experience mountainous terrain. He particularly enjoys hiking the fourteeners because it provides a significant physical and mental challenge. Van Matre reflects:

> Meeting these challenges allows me to step out into nature and helps to provide mental clarity in my everyday life. And who can't beat the feeling of standing on top of the world!

Coming Soon from ACCP!



The ACCP Field Guide to Becoming a Standout Pharmacy Residency Candidate, Second Edition

Arriving in October 2016, *The ACCP Field Guide to Becoming a Standout Pharmacy Residency Candidate*, *Second Edition*, builds on the successful first edition with updated content and a new chapter on finance.

Setting yourself apart as an exceptional candidate early in your academic career is increasingly important as a growing number of pharmacy students seek postgraduate pharmacy training. The second edition of the *Field Guide* offers a step-by-step approach to maximize your curricular and extracurricular experiences and best prepare to be that standout candidate.

Written by experienced and dedicated pharmacy residency proponents, the *Field Guide* will give you detailed, practical information to use throughout your first, second, third, and all-important fourth years of pharmacy education—information you can use to chart your course to a successful postgraduate experience. Updated chapters such as Step I: Define and Redefine Your Goals, Step II: Making the Grade, and Step IX: Document It All join with the newest addition to the *Field Guide*, Step X: Plan for Financial Freedom. This new chapter, by Timothy Ulbrich, Pharm.D., will help you achieve your financial and professional goals by advising on student loan repayment, debt management, insurance, savings, and more.

The *Field Guide* will walk you through 11 important steps to help you emerge from the crowd as a sought-after candidate:

- Step I: Define and Redefine Your Goals – Stuart T. Haines, Pharm.D.
- Step II: Making the Grade – Dana Hammer, Ph.D.
- Step III: Get Involved – Janet Engle, Pharm.D.
- Step IV: Develop Leadership and Management Abilities – Donald Letendre, Pharm.D.
- Step V: Gain Valuable Work Experience – Stephen Eckel, Pharm.D.

- Step VI: Maximize Experiential Education – Brian Erstad, Pharm.D., and Maryam Fazel, Pharm.D.
- Step VII: Expand Your Network – Keri Sims, Pharm.D.
- Step VIII: Engage in Research and Scholarship – Jerry Bauman, Pharm.D.
- Step IX: Document It All – Garrett Schramm, Pharm.D., Heather Personett, Pharm.D., and Erin Nystrom, Pharm.D.
- Step X: Plan for Financial Freedom – Timothy Ulbrich, Pharm.D. New Chapter!
- Step XI: Navigate Your Final Year of Pharmacy School – Beth Bryles Phillips, Pharm.D.

The ACCP Field Guide to Becoming a Standout Pharmacy Residency Candidate, Second Edition, is your best guide to detailed and practical information on setting yourself apart as an exceptional pharmacy residency candidate.

2017 ACCP Committee Selection Now Complete

After receiving responses to this summer's committee charge/volunteer services survey from more than 800 ACCP member volunteers, President-Elect Marcia Buck has completed the process of impaneling committees for the upcoming year. Each committee will hold its first face-to-face meeting next month during the 2016 ACCP Annual Meeting in Hollywood, Florida. At press time, ACCP was still seeking to confirm a handful of committee appointments. However, if a member who expressed interest in committee service through this summer's survey was not selected, please note that ACCP will offer additional opportunities for members to volunteer for other College-related activities during the year (e.g., CV review, meeting abstract review, Clinical Pharmacy Challenge item writing) according to the member responses received in this summer's survey. If you volunteered to provide non-committee service this year, look for e-mails from ACCP in addition to open calls for selected new volunteer activities in future issues of the *ACCP Report*.

New Members

Mirna Abdelsayed
Abdikarim Abdi
Abdeslam Adghoghi
Mohammed Aldhaeefi
Fatimah Al-Doughan
Sheril Alexander
Brian Alfredo
Nicole Allie
Nasser Alqhtani
Yazed Alsowaida
Haley Andress
Tamer Arafat
Ashley Austin
Cindy Banh
Rebecca Bates
Bridget Batykefer
Basma Beiram
Adrienne Bell
Miriam Belonwu
Sarah Berman
Craig Beske
Kevin Betthauser
Sarah Billings
Matt Birrenkott
Jenna Borowski
Rachael Boyd
Ryan Brenn
Nicholas Britt
Haylee Brodersen
Yolanda Brown
Rachel Bull
Stephanie Cailor
Anna Cantwell
Elizabeth Carter
Chava Chaitin
Carol Chan
Hua Chen
Shirley Chen
Bo Cheng
Sarah Chismark
Shao-Yu Chiu
Erin Christensen
Lauren Cirrincione
Francesco Ciummo
Ardsley Congdon
Stefanie Conley
Laura Cotiguala
Joshua Crago
Mary Cravens
Christie Crawford
Bethany Crouse
Brandon Cutshall
Latoya Cuyler
Lindsey Dailey
James Damilini
Joseph Davis
Kevin Davis
Ashley Daw
Charlene Dawson
Meagan Decker
Kaitlyn DeHoff
Kendra Delibert
Nicolette Diehl
Randy Doud
Jassu Dulai
Melissa Edwards
Birgitta Elfsson
Maha Elhamid
Kirsten Elwood
Taylor Eno
Ashley Feik-Campbell
Marilyn Flores
Elizabeth Frazier
Alexis Gaggini
Sarah Glade
Grace Go
Patricia Gonzalez-Abreu
Taylor Goodman
Karl Granskog
Keaton Grant
Tommie Guidry
Robbie Gurr
Carmen Gust
Terry Hair
Benjamin Ham
Amr Hamdy
Lina Hamid
Ava-Dawn Hammond
Nausheen Hasan
Sarah Hassinger
Brennan Herrmann
Mohamed Hersi
Megan Hicks
Marissa Hom
Young Hong
Amy Huang
Joseph Huenecke
Carlo Iasella
Mohammed Issaka
Praneet Iyer
Caroline Jamison
Omar Jamjoom
Christine Jiang
Kyle Jones
Emily Jordan
Cristina Kaifer
Luiza Kerstenetzky
Khalil Khlifi
Rebecca Kiliany
NaRi Kim
Stephen Kim
Nancy Kirby
Jennifer Koch
Mary Kovacevic
Steven Krey
Eric Lai
Megan Lail
In Lam
Ronald Patrick Landayan
James Landry
Nicole Latimore
Siu Ling Brenda Lau Ng
Jeffery Laux
Alexander Le
My Le
Andrea Lee
Benjamin Lee
Choong-Min LEE
Colin Lee
Jery Lee
Jin Lee
Peia Lee
Ricardo Marcelo Lencina
Andrea Leschak
Rachel Levihaiem
James Lin

Matt Luong
Eric MacPherson
Daniel Magistrelli
Sandi Maheras
Sarah Malcolm
Raya Manship
Mohammed Maslub
Morgan McCarthy
Leann McDowell
Raymond Melika
Jordan Mendkoff
Yvonne Mete
Sharmila Michael
Erika Milas
Nicole Moersch
Erika Monacelli
Taylor Morrisette
Ketrin Mount
Suhaib Muflih
Hari Chandana Mulamalla
Celine Munoz
Emily Murray
Sindhu Nair
Francesca Napolitano
Breaer Neff
Lauren Nemeth
Sarah Newman
Christine Ng
Anh-Thu Nguyen
Duy Nguyen
Hanh Nguyen
Hoang Nguyen
Mai Ly Nguyen
Nga My Nguyen
Tommy Nguyen
Tung Nguyen
Laura Nice
Katrina Nikornpan
John Norris
Tiffany Ogawa
Sean O'Rourke
Lucas Orth
Kaitlin Patterson
Cheryl Paw
Sarah Payne
Annie Pellegrino
Adam Pennoyer
Lisa Pham
Jocelin Phan
Ivan Pierce
James Pierson
Hermán Powery
Darah Preston
Michelle Rabi
Michael Reichert
Regina Rho
Laura Rhodes
Lynn Rich
Sarah Robert
Samantha Rodriguez
Judy Rose
Tayla Ross
David Roy
Nicholas Rudy
Abigail Russell
Maram Salameh
Evan Sasson
Jennifer Schmidt
Abigail Schweitzer
Victoria Seaton
John Shilka
Aisha Shokoya
Jagdeep Singh
Abbey Smith
Jeffrey Sperry
Michelle Staiger
Hyojin Sung
JobyLyn Anne Tanseco
Kyle Thorner
Jeremy Tigh
Andrew Tominaga
Sylvia Torres
Jennifer Toth
Christina Tran
Hung Tran
Christine Trang
Jazmin Turner
Edidiong Umoren
Nicholas Verna
Tamis Walker
Chzn Wang
Michael Wankum
Allie Wasik
Frederic Watke
Penny Webber
Julie White
Tessa Wiley
Whitney Williams
Deborah Willis
Ester Winsjansen
Katherine Winter
Taylor Wolfe
Alicia Woods
Hazel Ann Zaballero
Brandy Zeller
Xia Zhang
Zhenyzng Zhao

The following members recently advanced from Associate to Full Member:

Marwa Amer
Taryn Bainum
Tricia Bockenstedt
Ying-Tang Casapao
Breannie Charles
Marie Davies
Charles Durham
Elizabeth Englin
Ryan Farrington
Esther Fasanmi
Timothy Gauthier
Sarah Green
Liya Hagos
April Hinds
Thomas Lancaster
Charles Leonard
Walter Lloyd
Leigh Moffett
Rashel Nimroozi
Thomas Smoot
Sperry Wheeler
Maegan Whitworth

Member Recruiters

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

Heba Abduo
Jim Davis
Jordan Fuller
Josephine Heinz
Douglas Jennings
Margaret Jorgenson
Kelsey Lyon
Tamara Malm
Brandon Nuziale
Tiffany Ogawa
Kathleen Pincus
Motaz Salous
Emmanuelle Schwartzman
Nancy Shapiro
Jessie Signorelli
Lucy Stun
Jessica Tackett
Jodi Taylor
Tiffany Tesoro
Michael Tiberg
Katherine Vogel Anderson
Karen Whalen