ACCP/ESCP International Congress on Clinical Pharmacy
ACCP Updates in Therapeutics: the Pharmacotherapy Preparatory Course
PPAG International Pediatric Pharmacy and Pharmacology Symposium

All meeting events will be held at the Rosen Centre Hotel and the Orange County Convention Center in Orlando, Florida, U.S.A.

Program Goals and Target Audience
Educational programs and networking sessions are designed for everyone involved with clinical pharmacy – students, residents, fellows, experienced practitioners, and educators. Using both didactic lectures and interactive workshops to apply learning, the Congress programs are designed to provide attendees with new, high-quality information that will be both challenging and applicable in their practice and to provide a global perspective on the issues pharmacists face today.

The Pharmacotherapy Preparatory Course is designed to help pharmacists who are preparing for the Board of Pharmaceutical Specialties Certification Examination in Pharmacotherapy, as well as those seeking a general review and refresher on disease states and therapeutics.

Program Agenda
*Premeeting symposia require separate registration.

Friday, April 24, 2009

7:00 a.m. – 6:00 p.m.  Meeting Registration, Bookstore, and Cyber Café

8:00 a.m. – 4:30 p.m.  *Leadership Primer

Moderator: Robert E. Smith, Pharm.D.
Professor and Assistant to the Dean for Professional Affairs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

Faculty: Robert S. Beardsley, R.Ph., Ph.D.
Professor, University of Maryland School of Pharmacy, Baltimore, Maryland, U.S.A.

Peter D. Hurd, Ph.D.
Professor and Assistant Dean, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

Robert E. Smith, Pharm.D.

8:00 a.m.  Leadership/Management: A Macro View of an Organization

9:00 a.m.  Break

9:15 a.m.  Introduction to Organizational Behavior, Part I

All programming subject to change.
10:15 a.m.   Break
10:30 a.m.   Introduction to Organizational Behavior, Part II
11:30 a.m.   Lunch (on your own)
12:30 p.m.   The Basics of Motivating People at Work
1:30 p.m.    Break
1:45 p.m.    The Paradigms and Principles of Power
2:45 p.m.    Break
3:00 p.m.    A Contemporary Look at Leadership
4:00 p.m.    Questions and Answers

8:00 a.m. – 5:15 p.m.  *Research Primer
Part of the ACCP Academy Research and Scholarship Development Certificate Program. For more information visit the Web site at http://www.accp.com/academy.

Moderator: Gary C. Yee, Pharm.D., FCCP, BCOP
University of Nebraska Medical Center, College of Pharmacy, Omaha, Nebraska, U.S.A.

8:00 a.m.   Welcome and Overview of the Academy Program
Gary C. Yee, Pharm.D., FCCP, BCOP

8:15 a.m.   Introduction to Clinical Research
Gary C. Yee, Pharm.D., FCCP, BCOP

9:00 a.m.   Anatomy of a Research Project
Gary C. Yee, Pharm.D., FCCP, BCOP

10:00 a.m.   Break
10:15 a.m.   How to Develop a Research Question and Write the Background and Significance
Kathleen Bungay, B.S., R.Ph., Pharm.D., M.S., FCCP
Associate Professor, Northeastern University School of Pharmacy, Boston, Massachusetts, U.S.A.

11:00 a.m.   Lunch Break (on your own)
12:30 p.m.   Small Group Discussion
2:30 p.m.    Break
2:45 p.m.    Overview of the Online Portfolio

All programming subject to change.
3:00 p.m. How to Find a Mentor and Assemble a Research Team
Susan C. Fagan, Pharm.D., FCCP, BCPS
Professor, Clinical and Administrative Pharmacy, University of Georgia, Augusta, Georgia, U.S.A.

4:00 p.m. Tips on Scientific Writing
Richard T. Scheife, Pharm.D., FCCP
Editor-in-Chief, Pharmacotherapy, Boston, Massachusetts

5:00 p.m. Closing Remarks

8:00 a.m. – 6:00 p.m. PPAG Symposia
8:00 a.m. Welcome: PPAG, ACCP, ESCP, NPPG, CPA
8:30 a.m. History of Pediatric Pharmacology in the United States
Honorary Chair: Sumner Yaffe
Consulting Professor, School of Medicine, Stanford University Medical Centre
9:00 a.m. Outreach
Chair: David Knoppert
WHO Millennium Development Goals for 2015
Sue Hill
Scientist, Medicines, Access and Rational Use, Essential Medicines and Pharmaceutical Policies, World Health Organization
9:40 a.m. Malaria in Africa
Kadima Ntokamunda
Faculty of Medicine, Department of Pharmacy, University of Rwanda, Rwanda
10:20 a.m. Break
10:50 a.m. WHO List of Essential Medicines for Children
Andy Gray
Senior Lecturer, Department of Therapeutics and Medicines Management, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, South Africa

All programming subject to change.
11:30 a.m.  Translational Research  
*Chair: Michael Rieder*

Building a National Clinical Trials Network  
*Tony Nunn*  
Clinical Director, Department of Pharmacy; Associate  
Director, NIHR Medicines for Children Research Network,  
University of Liverpool, Alder Hey Children’s NHS Foundation  
Trust, Liverpool, United Kingdom

The Global Nature of Pediatric Clinical Trials—Perspective  
from Industry  
*Klaus Rose*  
Head Pediatrics, F. Hoffmann-La Roche Ltd.,  
Pharmaceuticals Division, Basel, Switzerland

12:15 p.m.  Lunch Break

1:15 p.m.  Pharmacogenomics and the Variability in Drug Response in Children  
*Steve Leeder*  
Chief, Division of Pediatric Pharmacology & Medical Toxicology, Children’s Mercy Hospital, Kansas City, Missouri, U.S.A.

2:00 p.m.  Developmental Pharmacology  
*Hussain Mulla*  
Co-Director, Centre for Therapeutic Evaluation of Drugs in Children, University Hospitals of Leicester NHS Trust,  
Glenfield Hospital, Groby Road, Leicester, United Kingdom  

*John Van Den Anker*  
Vice Chair of Pediatrics for Experimental Therapeutics, Evan and Cindy Jones Professor of Pediatric Clinical Pharmacology, Chief, Division of Pediatric Clinical Pharmacology, Children's National Medical Center; Professor of Pediatrics, Pharmacology & Physiology, George Washington University School of Medicine and Health Sciences, Washington, D.C., U.S.A.

2:45 p.m.  Break

*All programming subject to change.*
3:15 p.m.  Clinical Practice
Chair: Elizabeth Farrington

European vs. American Legislation for Pediatric Medications
Agnes Saint Raymond
Head of Scientific Advice and Orphan Drugs, European Medicines Agency

George Giacocia
Program Scientist for the Pediatric Pharmacology Research Unit Network, Obstetric and Pediatric Pharmacology Branch, Center for Research for Mothers and Children, Eunice Kennedy Shriver NICHD, NIH, Bethesda, Maryland, U.S.A.

Klaus Rose
Head Pediatrics, F. Hoffmann-La Roche Ltd., Pharmaceuticals Division, Basel, Switzerland

4:00 p.m.  Pediatric Clinical Pharmacy Education and Training
Timothy Todd
Associate Professor of Pharmacy Practice; Director, Pharmacotherapy Residency, Midwestern University Chicago College of Pharmacy, Downers Grove, Illinois, U.S.A.

Stephen Tomlin, MRPharmS, ACPP
Consultant Pharmacist, Children’s Services, Evelina Children’s Hospital, London, England

4:45 p.m.  Ethical Issues in Pediatric Drug Therapy
Arnold Vulto
Department Head Hospital Pharmacy/Director of Research and Education; Professor in Hospital Pharmacy & Practical Therapeutics, Erasmus University Medical Center, Rotterdam, The Netherlands

5:30 p.m.  Questions and Answers

1:00 p.m. – 5:30 p.m. Updates in Therapeutics: The Pharmacotherapy Preparatory Course
Moderator: Kirsten H. Ohler, Pharm.D., BCPS
Clinical Assistant Professor, University of Illinois, Chicago, Illinois, U.S.A.

1:00 p.m. The Pharmacotherapy Exam and Tips for Preparing
Richard J. Bertin, Ph.D., R.Ph.
Executive Director, Board of Pharmaceutical Specialties, Washington, DC, U.S.A.

2:10 p.m. Pediatrics
Kirsten H. Ohler, Pharm.D., BCPS

3:20 p.m. Geriatrics
Norma J. Owens, Pharm.D, FCCP, BCPS
Professor of Pharmacy, University of Rhode Island, Rhode Island Geriatric Education Center, Kingston, Rhode Island, U.S.A.
4:30 p.m. Oncology Supportive Care  
Linda R. Bressler, Pharm.D., BCOP  
Clinical Associate Professor, Director of Regulatory Affairs  
(Cancer and Leukemia Group B), University of Illinois,  
Chicago, Illinois, U.S.A.

1:00 p.m. – 5:15 p.m. *Assessing Student Learning  
Part of the ACCP Academy Teaching and Learning Certificate  
Program. For more information visit the Web site at  

Moderator: Thomas D. Zlatic, Ph.D.  
Professor, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

Faculty: Sheldon G. Holstad, Pharm.D.  
Professor and Associate Director, Division of Pharmacy Practice, St.  
Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

Sara L. Lanfear, Pharm.D., BCPS  
Clinical Pharmacist, Henry Ford Hospital, Detroit, Michigan, U.S.A.

Zachary A. Stacy, Pharm.D., BCPS  
Associate Professor of Pharmacy Practice, St. Louis College of  
Pharmacy, St. Louis, Missouri, U.S.A.

Deborah A. Sturpe, Pharm.D., BCPS  
Assistant Professor, University of Maryland, School of Pharmacy,  
Baltimore, Maryland, U.S.A.

Thomas D. Zlatic, Ph.D.

4:00 p.m. – 5:00 p.m. PRN Officers Meeting

5:15 p.m. – 6:15 p.m. Chapter Officers Meeting

6:00 p.m. – 8:00 p.m. Satellite Symposia
6:30 p.m. – 8:00 p.m. **PPAG Networking Reception and Roundtables**  
*Chair: Leslie Briars*

Roundtable Topics:
- Sedation in Critical Care  
  *Sara Arenas*
- Standardized Dosing  
  *Kirsten Ohler*
- Parenteral Nutrition  
  *Venetia Horne*
- Pediatric Dosing for Obesity/PKs  
  *Lisa Lubsch*
- Pediatric Liver Disease  
  *Penny North-Lewis*
- Palliative Care  
  *Tracy Hagemann*
- Herbals/Complementary and Alternative Medicine  
  *Kay Kyllonen*
- Global Issues in Anticoagulation  
  *Rhian Isaac*
- Adherence/ Compliance/ Concordance  
  *Stephen Tomlin*
- Pandemic/Emergency Planning  
  *Shannon Manzi*

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**Saturday, April 25, 2009**

7:00 a.m. – 6:30 p.m. **Meeting Registration, Bookstore, and Cyber Café**

7:00 a.m. – 9:00 a.m. **Satellite Symposia**

9:15 a.m. – 10:30 a.m. **Opening Session**  
*Moderators: John E. Murphy, Pharm.D., FCCP, FASHP  
ACCP President; University of Arizona, Tucson, Arizona, U.S.A.*  
*Frank Jorgensen  
ESCP President; Advisory Service Hordaland, The Hospital Pharmacy at Hauuelanb, Bergen, Norway*

9:15 a.m.  
Welcome and Introductory Remarks
9:30 a.m.  
**Keynote Address**

**Protecting Our Patients: Clinical Pharmacy’s Role in Safety and Error Prevention**

*Nick Barber, B.Pharm., Ph.D., CHSM, MR.Pharm.S., FRSM*
Professor of the Practice of Pharmacy, The School of Pharmacy, University of London, London, England, United Kingdom

10:15 a.m.  
**Questions and Answers**

10:45 a.m. – 12:15 p.m.  
**Plenary Session 1**

*Moderator: Pat Murray*
Director of Pharmacy, NHS Lothian, Edinburgh, Scotland, United Kingdom

10:45 a.m.  
**Learning from Medication Error Management: Improving Patient Outcomes**

*Robert J. Weber, M.S., FASHP*
Associate Professor, Chief Pharmacy Officer, University of Pittsburgh School of Pharmacy; University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, U.S.A.

11:30 a.m.  
**New Innovations and Clinical Applications of Genomics**

*Nita A. Limdi, Pharm.D., MSPH*
University of Alabama, Birmingham, Alabama, U.S.A.

9:15 a.m. – 12:15 p.m.  
**Updates in Therapeutics: The Pharmacotherapy Preparatory Course**

*Moderator: G. Robert DeYoung, Pharm.D., BCPS*
Clinical Pharmacist, Ambulatory Care, Advantage Health Physicians, and St. Mary’s Health Care, Grand Rapids, Michigan, U.S.A.

9:15 a.m.  
**Biostatistics: A Refresher**

*G. Robert DeYoung, Pharm.D., BCPS*

10:55 a.m.  
**Clinical Trials: Fundamentals of Design and Interpretation**

*G. Robert DeYoung, Pharm.D., BCPS*

12:30 p.m. – 2:00 p.m.  
**Scientific Poster Presentations I and Lunch**

2:15 p.m. – 3:45 p.m.  
**PPAG Workshop I**

**Medication Error Prevention/Promoting Safety of Medications for Children**

*Eric Rose, Pharm.D.*
Corporate Pharmacy Informatics Liaison, Orlando Health

*Ian Chi Kei Wong*
Director and Professor of Paediatric Medicines Research, Centre for Paediatric Pharmacy Research, A collaboration between the School of Pharmacy, Institute of Child Health & Great Ormond Street Hospital for Children, London, United Kingdom

*All programming subject to change.*
2:15 p.m. – 3:45 p.m. PPAG Workshop II
Pediatric Formulations
Milap Nahata
Professor and Division Chair, College of Pharmacy; Professor of Pediatrics and Internal Medicine, Ohio State University; Editor-in-Chief, Annals of Pharmacotherapy

Catherine Tuleu
Senior Lecturer and Deputy Director, Department of Pharmaceutics & Centre for Paediatric Pharmacy Research, The School of Pharmacy, University of London, London, United Kingdom

2:15 p.m. – 3:45 p.m. PPAG Workshop III
Pharmacogenomics 101: Case Studies on the Variability in Drug Response in Children
Steve Leeder

2:15 p.m. – 3:45 p.m. PPAG Workshop IV
Pediatric Dosing References for the Clinical Pediatric Pharmacist
1. Assessing Content and Quality
Catrin Barker
Lead Pharmacist, Medicines for Children Local Research Network, Cheshire, Merseyside and North Wales, Alder Hey Children’s NHS Foundation Trust, Eaton road, Liverpool

Mike Rieder
Editor, Paediatric and Perinatal Drug Therapy
Michelle Wilde
Editor, Pediatric Drugs
Stephanie Phelps
Editor, The Journal of Pediatric Pharmacology and Therapeutics

2:15 p.m. – 4:00 p.m. Improving Medication Safety Through Interprofessional Education (IPE)
Developed by the Education and Training PRN.


Moderator: Charles T. Taylor, Pharm.D., BCPS
Senior Associate Dean for Professional Education; Professor, Department of Pharmaceutical Care and Health Science, University of Minnesota College of Pharmacy, Minneapolis, Minnesota, U.S.A.

2:15 p.m. Interprofessional Education: A Primer
Anne L. Hume, Pharm.D., FCCP, BCPS
Professor of Pharmacy, University of Rhode Island, Kingston, Rhode Island, U.S.A.; Adjunct Professor of Family Medicine, Warren Alpert Medical School of Brown University, Providence, Rhode Island, U.S.A.
2:45 p.m. Interprofessional Education: the European Union Experience
Moira Kinneir, BSc, MSc, MRPharmS
Head of Education, Research & Development, NHS Lothian, Edinburgh; Lecturer in Clinical Practice, University of Strathclyde, Glasgow, Scotland, United Kingdom

3:15 p.m. Interprofessional Education: the United States Experience
James D. Scott, Pharm.D., M.Ed., B.S., AAHIVE
Associate Professor of Pharmacy Practice and Administration, Western University of Health Sciences College of Pharmacy, Pomona, California, U.S.A.

3:45 p.m. Questions and Answers

2:15 p.m. – 4:00 p.m. International Pharmacovigilance and the Role of Pharmacists
Developed by the Pharmaceutical Industry PRN.
Moderator: Andrea J. Anderson, Pharm.D
Senior Medical Liaison, Genentech, Inc., Sterling, Massachusetts, U.S.A.

2:15 p.m. Pharmacovigilance: Risk Management Strategies Across the World

2:45 p.m. Parallel Trading and Internet Pharmacy: U.S. Perspective
Gary R. Matzke, Pharm.D., FCP, FCCP, FASN
Associate Dean for Clinical Research and Public Policy; Professor of Pharmacy and Medicine, School of Pharmacy, Virginia Commonwealth University, Richmond, Virginia, U.S.A.

3:15 p.m. Parallel Trading and Internet Pharmacy: European Perspective
Frederic Badey, Pharm.D.
Director, International Affairs, Institutional and Professional Relations, sanofi-aventis, Washington D.C., U.S.A.

3:45 p.m. Questions and Answers

2:15 p.m. – 4:00 p.m. Transitional Care Across Inpatient and Outpatient Settings
Developed by the Ambulatory Care PRN, Adult Medicine PRN, and Primary Care SIG.
Moderator: Joel C. Marrs, Pharm.D., BCPS
Assistant Professor, Oregon State University, Portland, Oregon, U.S.A.

2:15 p.m. Effective Transitions Across the Continuum of Care
Martin Rowland, BPharm, MSc, Pharm.D., BCPS
Pharmacist, Queensway Carleton Hospital, Ottawa, Ontario, Canada

2:45 p.m. Establishing Transitional Processes of Care for Patients Living Independently Between Primary Care and Tertiary Care Centers
Jennifer K Miller, Pharm.D., BCPS
Inpatient Clinical Pharmacist, Kansas City Veterans’ Administration Medical Center, Kansas City, Missouri, U.S.A.

All programming subject to change.
3:15 p.m. Establishing Transitional Processes of Care for Patients Residing in Long-Term Care Facilities to and from Tertiary Care Centers
Anne Gilchrist, BSc (Hons), MSc, MRPharmS
Lead Pharmacist, Medicines Management Team, NHS Lothian, Edinburgh, Scotland, United Kingdom

2:15 p.m. – 4:00 p.m. Statistical Issues, Part I
Part of the ACCP Academy Research and Scholarship Development Certificate Program. For more information visit the Web site at http://www.accp.com/academy.

Part II of this symposium will be held on Sunday, April 26, 2:15 p.m. – 4:00 p.m.

Moderator: Gary C. Yee, Pharm.D., FCCP, BCOP
University of Nebraska Medical Center, College of Pharmacy, Omaha, Nebraska, U.S.A.

2:15 p.m. Welcome
Gary C. Yee, Pharm.D., FCCP, BCOP

2:30 p.m. Basic Statistical Concepts
Randy C. Hatton, Pharm.D., FCCP, BCPS
Co-Director, Drug Information and Pharmacy Resource Center; Clinical Professor, Shands at the University of Florida; Clinical Professor, University of Florida, College of Pharmacy, Gainesville, Florida, U.S.A.

3:15 p.m. Common Statistical Tests
Randy C. Hatton, Pharm.D., FCCP, BCPS

2:15 p.m. – 4:00 p.m. Getting the Right Results: Steps for Leading an Effective Team

Todd D. Sorensen, Pharm.D.
Associate Professor; Associate Head, Department of Pharmaceutical Care and Health Systems, University of Minnesota, Minneapolis, Minnesota, U.S.A.

2:15 p.m. – 5:35 p.m. Updates in Therapeutics: The Pharmacotherapy Preparatory Course
Moderator: Curtis L. Smith, Pharm.D., BCPS
Professor, Ferris State University, Grand Ledge, Michigan

2:15 p.m. Infectious Diseases
Curtis L. Smith, Pharm.D., BCPS

3:25 p.m. HIV/Infectious Diseases
Curtis L. Smith, Pharm.D., BCPS

4:35 p.m. Pharmacokinetics: A Refresher
Curtis L. Smith, Pharm.D., BCPS

All programming subject to change.
4:00 p.m. – 5:30 p.m. PPAG Workshop I (Encore Program)
Medication Error Prevention/Promoting Safety of Medications for Children
*Eric Rose, Pharm.D.*
Corporate Pharmacy Informatics Liaison, Orlando Health

*Ian Chi Kei Wong*
Director and Professor of Paediatric Medicines Research, Centre for Paediatric Pharmacy Research, A collaboration between the School of Pharmacy, Institute of Child Health & Great Ormond Street Hospital for Children, London, United Kingdom

4:00 p.m. – 5:30 p.m. PPAG Workshop II (Encore Program)
Pediatric Formulations
*Milap Nahata*
Professor and Division Chair, College of Pharmacy; Professor of Pediatrics and Internal Medicine, Ohio State University; Editor-in-Chief, Annals of Pharmacotherapy

*Catherine Tuleu*
Senior Lecturer and Deputy Director, Department of Pharmaceutics & Centre for Paediatric Pharmacy Research, The School of Pharmacy, University of London, London, United Kingdom

4:00 p.m. – 5:30 p.m. PPAG Workshop III (Encore Program)
Pharmacogenomics 101: Case Studies on the Variability in Drug Response in Children
*Steve Leeder*

4:00 p.m. – 5:30 p.m. PPAG Workshop IV (Encore Program)
Pediatric Dosing References for the Clinical Pediatric Pharmacist
  1. Assessing Content and Quality
   *Catrin Barker*
   Lead Pharmacist, Medicines for Children Local Research Network, Cheshire, Merseyside and North Wales, Alder Hey Children's NHS Foundation Trust, Eaton road, Liverpool

   *Mike Rieder*
   Editor, Paediatric and Perinatal Drug Therapy
   *Michelle Wilde*
   Editor, Pediatric Drugs
   *Stephanie Phelps*
   Editor, The Journal of Pediatric Pharmacology and Therapeutics

4:30 p.m. – 6:00 p.m. Curricular Track 1: Technology and Medication Safety

*New Technologies to Improve Information Exchange and Rational Decision-making Among Health Care Providers*
*Moderator: J.W.Foppe van Mil, Ph.D., Pharm.D.*
Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands
4:30 p.m.  New and Emerging Provider-oriented Technologies  
*Brent I. Fox, Pharm.D., Ph.D.*  
Assistant Professor, Auburn University Harrison School of Pharmacy, Auburn, Alabama, U.S.A.

5:15 p.m.  New and Emerging Patient-oriented Technologies  
*Han de Gier, Pharm.D., Ph.D.*  
Professor of Pharmaceutical Care, University of Groningen, The Netherlands

4:30 p.m. – 6:00 p.m.  **Curricular Track 2: Complementary and Alternative Medications (CAM)**

**Complementary and Alternative Medication Use: Case-based Debates of the Evidence**  
*Moderator:* Sunny Linnebur, Pharm.D., FASCP, BCPS, CGP  
Associate Professor, University of Colorado Denver School of Pharmacy, Aurora, Colorado, U.S.A.

*Faculty:* Adriane Fugh-Berman, M.D.  
Associate Professor, Department of Physiology and Biophysics, Georgetown University Medical Center, Washington DC, U.S.A.

Mathias Schmidt, Ph.D.  
Association for Natural Medicine in Europe (ANME, Germany)

4:30 p.m.  Pro #1: Case-based Evidence of CAM Value

4:45 p.m.  Con #1: Response to Case-based Evidence

5:00 p.m.  Pro #2: Case-based Evidence of CAM Value

5:15 p.m.  Con #2: Response to Case-based Evidence

5:30 p.m.  Moderated Audience/Panel Discussion

4:30 p.m. – 6:00 p.m.  **Curricular Track 3: Impact of Pharmacogenomics and Culture on Medication Use and Safety**

**Impact of Pharmacogenomics on Medication Use and Safety**  
*Moderator:* Martin Schulz, Ph.D.  
Managing Director, Department of Medicine, ABDA, Berlin; Adjunct Professor, Goethe University Frankfurt, Frankfurt, Germany

4:30 p.m.  Oncology Focus  
*Howard L. McLeod, Pharm.D., FCCP*  
Fred N. Eshelman Distinguished Professor; Director, UNC Institute for Pharmacogenomics and Individualized Therapy, University of North Carolina, Chapel Hill, North Carolina, U.S.A.

5:00 p.m.  Cardiology Focus  
*Heyo K. Kroemer, Ph.D.*  
Dean, Medical School; Professor and Chairman, Department of Pharmacology, Ernst Moritz Arndt University, Greifswald, Germany

*All programming subject to change.*
5:30 p.m.    Infectious Diseases Focus  
Mary W. Roederer, Pharm.D., CPP, BCPS  
Research Assistant Professor, University of North Carolina  
Eshelman School of Pharmacy, Chapel Hill, North Carolina, U.S.A.

4:30 p.m. – 6:00 p.m. Curricular Track 4: Medication Error Assessment and Strategies for Error Prevention

Medication Error Assessment in North America and Europe  
Moderator: Brian L. Erstad, Pharm.D.  
Professor, College of Pharmacy-Pulido Center, The University of Arizona, Tucson, Arizona, U.S.A.

4:30 p.m. Advances in Medication Error Assessment in North American and European Hospitals  
Mary P. Tully, Ph.D., MRPharmS  
Clinical Senior Lecturer, School of Pharmacy & Pharmaceutical Sciences, University of Manchester, Manchester, United Kingdom

5:15 p.m. Advances in Medication Error Assessment in North American and European Community Settings  
Rachel L Howard, Ph.D., DipClinPharm, MRPharmS  
Lecturer in Pharmacy Practice, University of Reading, Reading, Berkshire, England, United Kingdom

All programming subject to change.
4:30 p.m. – 6:00 p.m. **Scientific Paper Platform Presentations I – Cardiology/Internal Medicine**

**Moderator: Marc Israel, Pharm.D. FCCP, BCPS**
Medical Director, CVM
US Medical and Drug Regulatory Affairs
Novartis Pharmaceutical Corporation
East Hanover, New Jersey

169E. *Evaluation of a Pharmaceutical Care Program to the Cardiologic Patient*
M. Montero Sr., Pharm, D, MA Roch, Pharm, D, I. Font, Pharm, D., Head, Section, Mj Fernández, Pharm, D, V Moreno, Pharm D and JI Poveda, Pharm, D., Head, Department
University Hospital La Fe, Valencia, Spain

11E. *Beta-adrenergic receptor mediated alterations of I(Ks) activity during I(Kr) inhibition*
Brian R. Overholser, Pharm.D.¹, Xiaomei Zheng, M.S.¹, Lang Li, Ph.D.² and James E. Tisdale, Pharm.D.¹
(1)School of Pharmacy & Pharmaceutical Sciences, Purdue University and School of Medicine, Indiana University, Indianapolis, IN
(2)School of Medicine, Indiana University, Indianapolis, IN

311. *Pharmacist-managed direct thrombin inhibitor therapy improves safety in patients with heparin-induced thrombocytopenia*
Bob Lobo, Pharm.D.¹, Amanda M. Howard-Thompson, Pharm., D.², Mandy Gillion, PharmD³ and Christopher Finch, PharmD²
(1)Vanderbilt University, Nashville, TN
(2)University of Tennessee College of Pharmacy, Memphis, TN
(3)Methodist University Hospital, Memphis, TN

328. *French women post-menopausal osteoporosis treatment*
Cedric Collin, PharmD, Elise Rochais, PharmD, Yvonnick Bezie, PharmD, PhD and Gerald Rajzbaum, MD
Groupement Hospitalier Paris Saint-Joseph, Paris, France

135. *Description of pharmacist activity on inpatient use of erythropoiesis-stimulating agents*
Michelle E. Allen, PharmD¹, Aimée LeClaire, PharmD¹ and Mark A. Allen, MS²
(1)Shands at the University of Florida, Gainesville, FL
(2)University of Florida College of Pharmacy, Gainesville, FL

184. *Polypharmacy in United States veterans with post-traumatic stress disorder*
Ravindra Pathak, PharmD, PhD, MBA¹, Abril Atherton, PharmD² and Debra Macdonald, BS, Pharm³
(1)Salt Lake City Veterans Affairs Medical Center, Salt Lake City, UT
(2)VA Salt Lake City HCS, Salt Lake City, UT
(3)VA Salt Lake City Health Care System, Salt Lake City, UT

68. *Cefepime is not associated with increased mortality in pediatric cancer patients*
Jamie Frediani, BS, Elisabeth E. Adderson, MD, Patricia Flynn, MD, MS, Michael J. Herr, BS and James M. Hoffman, Pharm.D., M.S., BCPS
St. Jude Children's Research Hospital, Memphis, TN
6:30 p.m. – 8:30 p.m. Opening Reception

Sunday, April 26, 2009

7:00 a.m. – 6:30 p.m. Meeting Registration, Bookstore, and Cyber Café

8:00 a.m. – 9:30 a.m. Scientific Poster Presentations II and Breakfast

9:45 a.m. – 11:00 a.m. PPAG Paper Platform Presentations

9:45 a.m. – 11:45 a.m. Plenary Session 2

9:45 a.m. The Impact of New Technologies on Medication Use and Patient Safety
Kenneth N. Barker, B.S., M.S.
Sterling Professor and Director, Center for Pharmacy Operations and Designs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

Elizabeth A. Flynn, Ph.D.
Associate Research Professor, Auburn University, Auburn, Alabama, U.S.A.

Bradford N. Barker, B.S.E.E.
Doctoral Graduate Student in Pharmacy Informatics, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

10:25 a.m. Global Approaches to Assuring the Safety of Complementary and Alternative Medicine
Jinhui Dou, Ph.D.
Pharmacologist, Botanical Review Team, ODE-I, CDER, FDA, Silver Spring, Maryland, U.S.A.

11:05 a.m. The Impact of Patient Behavior and Culture on Medication Use
Oralia V. Bazaldua, Pharm.D., FCCP, BCPS
Associate Professor, The University of Texas Health Science Center at San Antonio, San Antonio, Texas, U.S.A.

9:45 a.m. – 11:55 a.m. Updates in Therapeutics: The Pharmacotherapy Preparatory Course
Moderator: Melody Ryan, Pharm.D., BCPS, FCCP
Associate Professor, University of Kentucky, Lexington, Kentucky, U.S.A.

9:45 a.m. Neurology
Melody Ryan, Pharm.D., BCPS

10:55 a.m. General Psychiatry
William A. Kehoe, Pharm.D., FCCP, BCPS
Professor of Clinical Pharmacy and Psychology; Chair, Department of Pharmacy Practice, University of the Pacific, Stockton, California, U.S.A.

All programming subject to change.
12:00 p.m. – 2:00 p.m.  
**Navigating the Transition from Pharmacy School to Residency Training: Perspectives from Current Pharmacy Residents**

*Moderator: Michelle Kucera, Pharm.D., BCPS*

Consultant Pharmacist, American College of Clinical Pharmacy, Lenexa, Kansas, U.S.A.

12:00 p.m.   Welcome and Introductions

12:05 p.m.   Lunch

12:35 p.m.   Residency Prep 101: What to Do While You Are Still in Pharmacy School

*Shannon L. Holt, Pharm.D.*

PGY-1, Pharmacy Practice Resident, Duke University Hospital, Durham, North Carolina, U.S.A.

12:50 p.m.   Follow-up: Perspectives from the Panel I

1:10 p.m.   Making the Most of Residency: Time Management and Lessons for Success

*Russell T. Attridge, Pharm.D.*

M.S. Candidate, Specialty Resident in Pharmacotherapy, The University of Texas Health Science Center at San Antonio, San Antonio, Texas, U.S.A.

Rachel C. Stratman, Pharm.D., BCPS

PGY-2 Critical Care Pharmacy Resident, Chief Resident, UK HealthCare, Lexington, Kentucky, U.S.A.

1:30 p.m.   Follow-up: Perspectives from the Panel II

1:50 p.m.   Ask a Resident: Questions and Answers

*All panelists*

12:00 p.m. – 2:00 p.m.  
**ACCP Committee and Task Force Meetings and Lunch**

12:00 p.m. – 2:00 p.m.  
**Satellite Symposia**

_All programming subject to change._
2:15 p.m. – 4:00 p.m. | Curricular Track 1 Workshop: Technology and Medication Safety  
**Moderator: Craig I. Coleman, Pharm.D.**  
Assistant Professor, University of Connecticut School of Pharmacy,  
Storrs, Connecticut, U.S.A.; Methods Chief and Program Director,  
University of Connecticut/Hartford Hospital/Agency of Healthcare  
Research and Quality Evidence-Based Practice Center, Hartford,  
Connecticut, U.S.A.

**Using New Technology to Improve Patient Safety**  
*Elizabeth A. Flynn, Ph.D.*  
Associate Research Professor, Auburn University, Auburn, Alabama,  
U.S.A.

*Kenneth N. Barker, B.S., M.S.*  
Sterling Professor and Director, Center for Pharmacy Operations and  
Designs, Harrison School of Pharmacy, Auburn University, Auburn,  
Alabama, U.S.A.

*Bradford N. Barker, B.S.E.E.*  
Doctoral Graduate Student in Pharmacy Informatics  
Harrison School of Pharmacy, Auburn University, Auburn, Alabama,  
U.S.A.

2:15 p.m. – 4:00 p.m. | Statistical Issues, Part II  
**Part of the ACCP Academy Research and Scholarship Development Certificate Program. For more information visit the Web site at [http://www.accp.com/academy](http://www.accp.com/academy).**

Part I of this symposium will be held on Saturday, April 25,  
2:15 p.m. – 4:00 p.m.

**Moderator: Gary C. Yee, Pharm.D., FCCP, BCOP**  
University of Nebraska Medical Center, College of Pharmacy,  
Omaha, Nebraska, U.S.A.

2:15 p.m. | Correlation and Regression  
*Gary L. Cochran, Pharm.D., SM*  
Assistant Professor of Pharmacy Practice, College of Pharmacy,  
University of Nebraska Medical Center, Omaha, Nebraska,  
U.S.A.

3:00 p.m. | Deciding When to DIY and When to Hire a Pro  
*Greg Stoddard, M.B.A., M.P.H., Ph.D.*  
Co-Director, University of Utah Study Design and Biostatistics  
Center; Adjunct Assistant Professor, Department of Orthopedics,  
University of Utah School of Medicine, Salt Lake City, Utah,  
U.S.A.

*All programming subject to change.*
2:15 p.m. – 4:00 p.m.  
**Geriatric Oncology: An Emerging Population, an Emerging Specialty**  
*Developed by the Hematology/Oncology PRN and Cancer Care SIG.*

**Moderators:** Vincent Launay-Vacher, Pharm.D.  
Clinical Pharmacist, Department of Nephrology, Pitie-Salpetriere Hospital, Paris, France

Scott Soefje, Pharm.D., BCOP  
Director, Investigational Drug Section, Cancer Therapy & Research Center at The University of Texas Health Science Center, San Antonio, Texas, U.S.A.

2:15 p.m.  
Introduction

2:25 p.m.  
Chemotherapy Considerations in the Elderly Patient  
*Mikael Daouphars, Pharm.D., Ph.D.*  
Hospital Pharmacist, Cancer Centre Henri Becquerel, Rouen, France

2:55 p.m.  
Supportive Care Paradigms for Treating Elderly Patients with Cancer  
*Sarah L. Scarpace, Pharm.D., BCOP*  
Assistant Professor, Pharmacy Practice, Albany College of Pharmacy, Albany, New York; Clinical Oncology Pharmacist, Stratton Veterans’ Administration Medical Center, Albany, New York, U.S.A.

3:25 p.m.  
Palliative Care and the Geriatric Oncology Patient  
*Catherine Terret, M.D., Ph.D.*  
Attending Physician, Centre Léon Bérard, Lyon, France

3:55 p.m.  
Questions and Answers

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2:15 p.m. – 4:00 p.m.  
**Therapeutic Controversies in Critical Care and Nutrition Support**  
*Developed by the GI/Liver/Nutrition PRN and Nutritional Support SIG.*

**Moderators:** Maria Skouroliakou, Ph.D.  
David Foster, Pharm.D.

2:15 p.m.  
Permissive Underfeeding in Sepsis  
(Pro) Maria Theodorakopoulou, M.D.  
(Con) Gordon S. Sacks, Pharm.D., FCCP, BCNSP  
Professor and Head, Department of Pharmacy Practice, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

3:05 p.m.  
Glycemic Targets in Critically Ill Patients  
(Pro) Imad F. Btaiche, Pharm.D., BCNSP  
(Con) Clarence Chant, Pharm.D., BCPS, FCSHP  
Clinical Pharmacy Specialist, St. Michael’s Hospital; Assistant Professor, University of Toronto Faculty of Pharmacy, Toronto, Ontario, Canada
2:15 p.m. – 5:35 p.m.  
Updates in Therapeutics: The Pharmacotherapy Preparatory Course

Moderator: Jo E. Rodgers, Pharm.D., BCPS (AQ Cardiology)
Clinical Assistant Professor, Division of Pharmacotherapy and Experimental Therapeutics, School of Pharmacy, University of North Carolina, Chapel Hill, North Carolina, U.S.A.

2:15 p.m.  
Acute Care Cardiology
Jo E. Rodgers, Pharm.D., BCPS (AQ Cardiology)

3:55 p.m.  
Critical Care
Tudy Hodgman, Pharm.D., BCPS, FCCM
Clinical Coordinator; Critical Care Specialist; Associate Professor of Pharmacy Practice, Midwestern University, Northwest Community Hospital, Arlington Heights, Illinois, U.S.A.

2:15 p.m. – 6:00 p.m.  
PPAG Symposia

2:15 p.m.  
Clinical Practice
Pediatric Pharmacy Practice Around the World: Challenges and Solutions
Chair: Sara Arenas-Lopez

Africa: Atieno Ojoo
Mexico: Fela Viso-Gurovich
Argentina: Graciela Calle
China: Zhiping Li
Spain: Eduardo Hidalgo
The Netherlands: Lidwien Hanff

3:45 p.m.  
Outreach
Chair: Stuart MacLeod
Executive Director, Child & Family Research Institute; Vice President, Academic Liaison & Research Coordination, Provincial Health Services Authority; Professor, Department of Pediatrics and Associate Dean (Research), Faculty of Medicine, University of British Columbia

Business Plan in Tanzania
Stephen Spielberg
Marion Merrell Dow Chair in Pediatric Pharmacogenomics, Children's Mercy Hospital, Kansas City, Missouri, U.S.A.

4:15 p.m.  
E-Learning and Rwanda Project
Cindy Kenyon
Neonatologist and Professor, Department of Paediatrics, Schulich School of Medicine, University of Western Ontario, London, Ontario, Canada

All programming subject to change.
4:45 p.m. Challenges and Opportunities: Communication, Collaboration and Contribution—If Not Now, When?  
Chair: Stuart MacLeod

Industry: Klaus Rose  
WHO: Sue Hill  
PPAG: Matt Helms  
NPPG: Rowena McArtney  
NIH: George Giacoia  
ACCP: David Hoff  
ESDP: John Van Den Anker  
ESCP: Sara Arenas

2:30 p.m. – 4:00 p.m. Board of Pharmaceutical Specialties Open Hearing: Recognition of Ambulatory Care Pharmacy Practice as a Specialty

2:30 p.m. – 4:30 p.m. ACCP StuNet Advisory Committee Meeting  
By invitation only.

4:30 p.m. – 6:00 p.m. Curricular Track 2 Workshop: Complementary and Alternative Medications  
Practical Methods For Interviewing and Educating Patients About Complementary and Alternative Medications  
Moderator: Sunny Linnebur, Pharm.D., FASCP, BCPS, CGP  
Associate Professor, University of Colorado Denver School of Pharmacy, Aurora, Colorado, U.S.A.

Faculty: Leslie A. Schimpfl, Pharm.D., M.S.  
Professor of Pharmacy, University of Michigan, Ann Arbor, Michigan, U.S.A.

Betsy Sleath, Ph.D., R.Ph.  
Professor, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, U.S.A.

4:30 p.m. – 6:00 p.m. Curricular Track 3 Workshop: Impact of Pharmacogenomics and Culture on Medication Use and Safety  
New Challenges Posed by the Clinical Applications of Pharmacogenomics

All programming subject to change.
4:30 p.m. – 6:00 p.m. Curricular Track 4 Workshop: Medication Error Assessment and Strategies for Error Prevention

A Hands-on Approach to Assessing Medication Errors and Drug-Related Problems

*Moderator: Pat Murray*
Director of Pharmacy, NHS Lothian, Edinburgh, Scotland, United Kingdom

*Faculty: Nina Gries, Ph.D.*
Research Associate, ABDA - Federal Union of German Associations of Pharmacists, Berlin, Germany

*J.W.Foppe van Mil, Ph.D., Pharm.D.*
Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands
4:30 p.m. – 6:00 p.m. **Scientific Paper Platform Presentations II** -- **Infectious Disease / Geriatrics**

72. Administration of Medicines to Older Patients with Dysphagia – Is It Optimal?
Jennifer C. Kelly, MSc, BA(Hons), RGN, DipN, DipNEd and David J. Wright, PhD, BPharm(Hons), PGCHE
University of East Anglia, Norwich, Norfolk, United Kingdom

157. Implementation of clinical pharmacy in Belgian nursing homes: challenges identified during 2 interventional studies
Charlotte L. Verrue, MPharm, Els L. Mehuys, MPharm, PhD¹ and Mirko S. Petrovic, MD, PhD²
(1)Ghent University - Faculty of Pharmaceutical Sciences, Gent, Belgium
(2)Ghent University Hospital - Department of Geriatrics, Gent, Belgium

66. Place of Rapid Diagnostic Tests of Pharyngitis in the Practice of Medicine in Community in Pays DE LA Loire November 2006 to January 2007
Marie Pajot, Pharm, D¹, Christophe Leux, M., D.², Nathalie Asseray, M.D., Ph.D.³, Remy Senand, M.D.⁴, François Garnier, M.D.⁵, Gilles Potel, M.D., Ph.D.⁶, Pierre Lombrail, M.D., Ph.D.⁷ and Françoise Ballereau, PharmD., Ph.D.⁸
(1)MEDQUAL, Nantes, France
(2)PIMESP, Nantes, France
(3)UPRES EA 38 26, Faculté de Médecine, Nantes
(4)Departments of General Medicine, Nantes, France
(5)Departments of General Medicine, Angers, France
(6)PIMESP, Nantes
(7)MEDQUAL, Nantes

65. Use of antibiotic lock therapy in a treatment modality for catheter-related bloodstream infections
P. Brandon Bookstaver, PharmD¹, Katherine R. Gerrald, PharmD² and Robert R. Moran, PhD³
(1)South Carolina College of Pharmacy-USC Campus, Columbia, SC
(2)Wake Forest University Baptist Medical Center, Winston-Salem, NC
(3)Health Sciences Research Core - University of South Carolina, Columbia, SC

67. Linezolid compared to vancomycin for the treatment of osteomyelitis
Ryan P. Moenster, Pharm.D.¹, Patrick M. Finnegan, Pharm.D.¹, Travis W. Linneman, Pharm.D.¹ and Rodney Lusk, MD²
(1)John Cochran VA Medical Center/St. Louis College of Pharmacy, St. Louis, MO
(2)John Cochran VA Medical Center, St. Louis, MO

6:30 p.m. – 8:00 p.m. **PRN-SIG Business Meetings and Networking Forums**
6:30 p.m. **Adult Medicine**
During this networking and business meeting, current and prospective members will meet and discuss their practice interests. There will be socialization (with a networking activity), followed by the PRN business meeting.

6:30 p.m. **Ambulatory Care**
This two-hour meeting is comprised of a business component and a networking component. The purpose of the business meeting is to disseminate information concerning the past and future activities of each PRN committee, current activities of ACCP relating to the PRN, and future activities of the PRN. The business component will include a presentation highlighting an innovative practice.

6:30 p.m. **Education and Training**
The Education and Training PRN will continue on the theme of interprofessional education. Faculty and student panelists will lead roundtable discussions on personal experiences with IPE. The panel and roundtable will occur immediately following a short business meeting.

6:30 p.m. **Geriatrics**
The Geriatrics PRN welcomes all pharmacists, students, and health professionals to join us in networking activities and a business meeting. There will be discussions on the future of Geriatric pharmacy. Light hors d’oeuvres served.

6:30 p.m. **Infectious Diseases**
The ID PRN Chair will welcome current, new, and prospective members. The meeting will include brief summary presentations of ID-PRN initiatives, poster presentations, and student research awards. There will be time for informal networking and socializing.

6:30 p.m. **Pediatrics**
During the networking and business meeting, current and prospective members will meet to discuss and share practice experiences. The Business Meeting will include an update on activities and initiatives of the PRN as well as opportunities for involvement with the Pediatric PRN. Members of PPAG and members of the ESCP Pediatrics SIG are more than welcome to attend.

6:30 p.m. **Pharmaceutical Industry**
Members and interested meeting attendees are welcome to attend our business meeting and networking forum. Past and future PRN activities will be discussed including: 2009-2010 Strategic Planning, Working Group updates, and Focus Session highlights. Hors d’oeuvres and beverages will be provided.

All programming subject to change.
6:30 p.m.  **Pharmacokinetics/Pharmacodynamics**  
This will be a networking forum for PRN members and guests to discuss current issues in pharmacokinetics and pharmacodynamics. Also, there will be time allocated for members to discuss potential topics for PRN symposia at upcoming ACCP meetings and other topics relevant to the PRN.

### Monday, April 27, 2009

**7:00 a.m. – 6:30 p.m.**  
**Meeting Registration, Bookstore, and Cyber Café**

**8:00 a.m. – 9:45 a.m.**  
**Planning for Effective Teaching, Part I**  
*Part of the ACCP Academy Teaching and Learning Certificate Program. For more information visit the Web site at http://www.accp.com/academy.*

Part II of this symposium will be held on Monday, April 27, 2:15 p.m. – 4:00 p.m.

*Moderator: Thomas D. Zlatic, Ph.D.*
Professor, St. Louis College of Pharmacy, St. Louis, Missouri

*Faculty: Brenda L. Gleason, Pharm.D.*
Associate Professor, St. Louis College of Pharmacy, St. Louis, Missouri

*Sheldon G. Holstad, Pharm.D.*
Professor, St. Louis College of Pharmacy, St. Louis, Missouri

*S. Dee Melnyk, Pharm.D.*
Clinical Assistant Professor, Durham VA Medical Center, Durham, North Carolina

*Thomas D. Zlatic, Ph.D.*

**8:00 a.m. – 9:45 a.m.**  
**Attributes of a Leader, Part I**  
*Part of the ACCP Academy Leadership and Management Certificate Program. For more information visit the Web site at http://www.accp.com/academy.*

Part II of this symposium will be held on Tuesday, April 28, 8:00 a.m. – 10:00 a.m.

*Moderator: Robert E. Smith, Pharm.D.*
Professor and Assistant to the Dean for Professional Affairs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

*Faculty: Peter Hurd, Ph.D.*
Professor of Pharmacy Administration, Director of Pharmaceutical Sciences and Liberal Arts Division, Assistant Dean for Assessment, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

*Robert E. Smith, Pharm.D.*

*All programming subject to change.*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tr>
<td>8:00 a.m. – 9:45 a.m.</td>
<td>Infections and Critical Care—Debates on Daily Dilemmas and Decisions Developed by the Critical Care PRN and Infectious Diseases PRN.</td>
<td>Moderate: Lance J. Oyen, Pharm.D., BCPS, FCCM Mayo Clinic, Rochester, Minnesota, U.S.A.</td>
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<td>8:00 a.m.</td>
<td>North American Versus European Approaches in the Treatment of MRSA Infections in Critically Ill Patients</td>
<td>Scott T. Micek, Pharm.D., BCPS Clinical Pharmacist, Critical Care; Barnes-Jewish Hospital, St. Louis, Missouri, U.S.A. Dolors Soy, Pharm.D., Ph.D. Associate Professor, Pharmacy School, University of Barcelona; Consultant, Clinical Pharmacist, Pharmacy Service, Hospital Clinic Barcelona, Barcelona, Spain</td>
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<td>8:55 a.m.</td>
<td>Panel Discussion</td>
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<td>9:00 a.m.</td>
<td>Optimal Dosing of Beta-lactams: Prolonged Versus Standard Intermittent Infusion in Critically Ill Patients</td>
<td>Tom Lodise, Pharm.D. Associate Professor, Pharmacy Practice, Albany College of Pharmacy, Albany, New York, U.S.A. Stephanie Natsch, Pharm.D., Ph.D. Clinical Pharmacist, Clinical Pharmacologist, Radboud University Nijmegen Medical Center, Nijmegen, The Netherlands</td>
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<td>8:00 a.m. – 10:00 a.m.</td>
<td>Hot Topics and Late-Breaking Papers</td>
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<td>8:00 a.m. – 10:00 a.m.</td>
<td>Scientific Paper Platform Presentations: The Great Eight</td>
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<td>8:15 a.m. – 11:35 a.m.</td>
<td>Updates in Therapeutics: The Pharmacotherapy Preparatory Course Developed by: Edward F. Foote, Pharm.D., BCPS, FCCP Professor and Chair of Pharmacy Practice, Nesbitt College of Pharmacy and Nursing, Wilkes University, Wilkes-Barre, Pennsylvania, U.S.A.</td>
<td>Moderate: Edward F. Foote, Pharm.D., BCPS, FCCP</td>
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<tr>
<td>8:15 a.m.</td>
<td>Nephrology</td>
<td>Edward F. Foote, Pharm.D., BCPS, FCCP</td>
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<td>9:25 a.m.</td>
<td>Endocrine and Metabolic Disorders</td>
<td>Debra J. Barnette, Pharm.D., BCPS Ambulatory Care Coordinator, University of North Carolina, Chapel Hill, North Carolina, U.S.A.</td>
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<td>10:35 a.m.</td>
<td>Fluids, Electrolytes, and Nutrition</td>
<td>Judith Kristeller, Pharm.D., BCPS Associate Professor, Wilkes University, Wilkes Barre, Pennsylvania, U.S.A.</td>
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*All programming subject to change.*
10:15 a.m. – 11:45 a.m.  **Curricular Track 1: Technology and Medication Safety**

**Patient Centered Community Practice Technology**  
*Moderator: Martin Schulz, Ph.D.*  
Managing Director, Department of Medicine, ABDA, Berlin; Adjunct Professor, Goethe University Frankfurt, Frankfurt, Germany

10:15 a.m.  
New Technologies to Improve Medication Selection, Administration, and Adherence  
*Olivier Bugnon, Ph.D.*  
Unit of Community Pharmacy Practice, Section of Pharmaceutical Sciences, University of Geneva and University of Lausanne, Switzerland

11:00 a.m.  
Patient-focused Technologies to Provide Care in Home-based Settings  
*Stephen E. Ross, M.D.*  
Associate Professor, University of Colorado Denver Division of General Internal Medicine, Aurora, Colorado U.S.A.

10:15 a.m. – 11:45 a.m.  **Curricular Track 2: Complementary and Alternative Medications**

**Toxicities Associated with CAM Therapy**  
*Moderator: J.W. Foppe van Mil, Ph.D., Pharm.D.*  
Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands

10:15 a.m.  
Reporting Adverse Drug Reactions Associated with CAM: A European Perspective  
*Peter de Smet*  
Senior Researcher, Scientific Institute of Dutch Pharmacists, The Hague, The Netherlands; Professor, Quality of Pharmaceutical Care, Academic Medical Centre of the Radboud University, Nijmegen, The Netherlands

11:00 a.m.  
Reporting Adverse Drug Reactions Associated with CAM: A North-American Perspective  
*Vasilios H. Frankos Ph.D.*  
Director Division of Dietary Supplement Programs, Food and Drug Administration, Center for Food Safety and Applied Nutrition, College Park, Maryland, U.S.A.

10:15 a.m. – 11:45 a.m.  **Curricular Track 3: Impact of Pharmacogenomics and Culture on Medication Use and Safety**

**Impact of Culture on Medication Use and Safety**  
*Moderator: Nathaniel M. Rickles, Pharm.D., Ph.D., BCPP*  
Assistant Professor of Pharmacy Practice and Administration, Northeastern University, School of Pharmacy, Boston, Massachusetts, U.S.A.

*All programming subject to change.*
10:15 a.m.  Health Care Beliefs that Influence Medication Use and Safety Among Major Ethnic Groups
Kenneth Fung, M.D., FRCPC, MSc
Staff Psychiatrist and Clinical Director, Asian Initiative in Mental Health Program, Toronto Western Hospital, University Health Network; Assistant Professor, Culture, Community, and Health Studies Program, Department of Psychiatry, University of Toronto, Toronto, Ontario, Canada

11:00 a.m.  Health Care Beliefs that Influence Medication Use and Safety Among Major Religious Groups
Amy B. Werremeyer, Pharm.D.
Assistant Professor of Pharmacy Practice, North Dakota State University, Fargo, North Dakota, U.S.A.

10:15 a.m. – 11:45 a.m. Curricular Track 4: Medication Error Assessment and Strategies for Error Prevention
Moderator: Brian J. Kopp, Pharm.D., BCPS
Clinical Pharmacist, Adult Critical Care, University Medical Center, Tucson, Arizona, U.S.A.

10:15 a.m.  Strategies to Ensure Safe Medication Use: Preventing Medication Incidents
Christine Bond BPharm (Hons) MEd, Ph.D., FRPharmS, FFPH
Professor of Primary Care (Pharmacy), Centre of Academic Primary Care, University of Aberdeen, Aberdeen, Scotland, United Kingdom

11:00 a.m.  Sharing Best Practices: Health Care System Differences
Craig A. Pedersen, Ph.D.
Associate Professor, The Ohio State University College of Pharmacy, Columbus, Ohio, U.S.A.
10:15 a.m. – 11:45 a.m.  

**Scientific Paper Platform Presentations III – Pediatrics**

356. *Implementing universal indomethacin prophylaxis to reduce pulmonary hemorrhage in a neonatal intensive care unit*
*Betsy Walters Burkey, PharmD, BCPS, David Dolcini, RRT-NPS, Jeffery Pietz, M.D., Babu Achanti, M.D. and Erin Clifford Stepka, M.D., Ph.D.*
Fairview Hospital/A Cleveland Clinic Hospital, Cleveland, OH

322. *Population Pharmacokinetics of Intravenous Hydrocortisone in Neonates*
*Varsha Bhatt-Mehta, MS, (CRDSA), Pharm.D., FCCP¹, John DE Barks, MD¹, Delia M Vazquez, MD¹ and Paul Williams, Pharm.D., FCP, FCCP²*  
(1)University of Michigan, Ann Arbor, MI  
(2)University of The Pacific, Stockton, CA

323. *Opening the white boxes: The licensing documentation of efficacy and safety of psychotropic medicines for children*
*Lise Aagaard, PhD, (pharm), BA, Econ¹, Steffen Thirstrup, Ph.D., M.D.² and Ebba H. Hansen, Professor, MSc, Pharm¹*  
(1)Department of Pharmacology and Pharmacotherapy, Section for Social Pharmacy, Faculty of Pharmaceutical Sciences, University of Copenhagen, Denmark  
(2)The Danish Medicines Agency, Copenhagen, Denmark

298. *Adverse drug reactions from psychotropic medicines reported for children: a retrospective analysis of Danish reports 1998-2007*
*Ebba H. Hansen, Professor, MSc, Pharm and Lise Aagaard, PhD (pharm)*  
Department of Pharmacology and Pharmacotherapy, Section for Social Pharmacy, Faculty of Pharmaceutical Sciences, University of Copenhagen, Denmark

12:00 p.m. – 1:30 p.m.  

**Deans Luncheon**  
*By invitation only.*

12:00 p.m. – 2:00 p.m.  

**Satellite Symposia**

2:15 p.m. – 3:30 p.m.  

**ACCP Spring Awards and New Investigator Award Lecture**
2:15 p.m.  Introduction and Presentation of Awards
John E. Murphy, Pharm.D., FCCP, FASHP
ACCP President; University of Arizona, Tucson, Arizona, U.S.A.

ACCP New Clinical Practitioner Award
Jeremy D. Flynn, Pharm.D., BCPS
UKHealthcare/Assistant Professor, Department of Pharmacy Practice and Science, University of Kentucky, Lexington, Kentucky, U.S.A.

ACCP New Educator Award
Jeffrey Bratberg, Pharm.D., BCPS
Clinical Associate Professor of Pharmacy Practice, University of Rhode Island (URI) College of Pharmacy, Kingston, Rhode Island, U.S.A.

2:30 p.m.  ACCP New Investigator Award Lecture
Craig I. Coleman, Pharm.D.
Assistant Professor, University of Connecticut School of Pharmacy, Storrs, Connecticut, U.S.A.; Methods Chief and Program Director, University of Connecticut/Hartford Hospital/Agency of Healthcare Research and Quality Evidence-Based Practice Center, Hartford, Connecticut, U.S.A.

3:15 p.m.  Questions and Answers

2:15 p.m. – 4:00 p.m.  Planning for Effective Teaching, Part II

Part I of this symposium will be held on Monday, April 27, 8:00 a.m. – 9:45 a.m.

Moderator: Thomas D. Zlatic, Ph.D.
Professor, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

Faculty: Brenda L. Gleason, Pharm.D.
Associate Professor of Pharmacy Practice, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

Sheldon G. Holstad, Pharm.D.
Professor, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

S. Dee Melnyk, Pharm.D.
Clinical Assistant Professor, Durham VA Medical Center, Durham, North Carolina, U.S.A.

Thomas D. Zlatic, Ph.D.
2:15 p.m. – 4:00 p.m.  **International Point-of-Care Drug Information Resources**  
*Developed by the Drug Information PRN and Medicine Information SIG.*

*Moderator: Philip J. Gregory, Pharm.D.*  
Assistant Professor, Pharmacy Practice, Center for Drug Information & Evidence-Based Practice, Creighton University, Omaha, Nebraska U.S.A.

2:15 p.m.  
**Drug Information in a Global Environment: An International Perspective on How to Find Drug Information of Foreign Resources**  
*David Woods, M.Pharm.*  
Consultant Pharmacist, Pharmacy Department, University of Otago, Dunedin, New Zealand

2:45 p.m.  
**Point-of-Care Resources from a Global Perspective: What Are Practitioners Using Successfully?**  
*Eric A. Jackson, Pharm.D, BCPS, FCCP*  
Associate Professor of Family Medicine, University of Connecticut School of Medicine, Family Medicine Center at Asylum Hill, Hartford, Connecticut, U.S.A.

*Yolande Hanssens, Pharm.D., Full Member ASCPT*  
Clinical Pharmacy Coordinator, Hamad General Hospital, Hamad Medical Corporation, Doha, Qatar

2:15 p.m. – 4:00 p.m.  **Evolving Systems and New Developments in Stroke Management**  
*Developed by the Central Nervous System PRN.*

*Moderator: Kimberly Tallian, Pharm.D., BCPP, FASHP, FCSHP*  
UC San Diego Medical Center, San Diego, California, U.S.A.

2:15 p.m.  
**Current Controversies (Pro vs. Con Debate)**  
*Anne E. Kinnear, MSc, MRPharmS*  
Lead Pharmacist, Medicine of Elderly & Stroke, Royal Infirmary of Edinburgh, Scotland, United Kingdom

*Denise H. Rhoney, Pharm.D., FCCP, FCCM*  
Associate Professor, Wayne State University, Detroit, Michigan, U.S.A.

3:05 p.m.  
**Future Treatments (Pro vs. Con Debate)**  
*Anne E. Kinnear*  
*Denise H. Rhoney, Pharm.D., FCCP, FCCM*
2:15 p.m. – 4:00 p.m.  Senior Moments for Pharmacists: Appropriate Medication Prescribing in the Elderly

*Developed by the Cardiology PRN, Geriatrics PRN, and Geriatrics SIG.*

*Moderators: Heather Bieber, Pharm.D., CGP, BCPS*
Geriatric Clinical Specialist; Lake City Veterans’ Affairs Medical Center, Lake City, Florida, U.S.A.

*Louise Mallet, B.Sc.Pharm., Pharm.D., CGS*
Professor in Clinical Pharmacy, Faculty of Pharmacy; University of Montreal, Montreal, Quebec, Canada; Pharmacist in Geriatrics, Department of Pharmacy; McGill University Health Center, Montreal, Quebec, Canada

2:15 p.m.  Introduction
2:20 p.m.  Systematic Approach to Appropriate Prescribing in the Elderly
Anne Spinewine, MPharm, MSc, Ph.D.
Principal Clinical Pharmacist and Lecturer, Cliniques Universitaires de Mont-Godinne and Center for Clinical Pharmacy, Université Catholique de Louvain, Yvoir and Brussels, Belgium

2:55 p.m.  Senior Moments in the Management of the Cardiovascular Patient
Toni L. Ripley, Pharm.D., BCPS, AQ-Cardiology
Associate Professor; University of Oklahoma College of Pharmacy, Oklahoma City, Oklahoma, U.S.A.

3:30 p.m.  Panel Discussion
*Heather Bieber, Pharm.D., CGP, BCPS*

*Louise Mallet, B.Sc.Pharm., Pharm.D., CGS*

*Todd P. Semla, Pharm.D., FCCP, BCPS*
AGSF Clinical Pharmacy Specialist, Department of Veterans Affairs; Associate Professor, Departments of Medicine and Psychiatry, Northwestern University, Chicago, Illinois, U.S.A.

*Joseph P. Vande Griend, Pharm.D., BCPS*
Assistant Professor, University of Colorado Denver, Aurora, Colorado, U.S.A.

2:15 p.m. – 5:35 p.m.  Updates in Therapeutics: The Pharmacotherapy Preparatory Course

*Moderator: Teresa B. Klepser, Pharm.D., BCPS, FCCP*
Associate Professor, Ferris State University, Kalamazoo, Michigan, U.S.A.

2:15 p.m.  Ambulatory Care
*Teresa B. Klepser, Pharm.D., BCPS, FCCP*

3:55 p.m.  Men’s and Women’s Health
*Teresa B. Klepser, Pharm.D., BCPS, FCCP*
4:30 p.m. – 6:00 p.m. Curricular Track 1 Workshop: Technology and Medication Safety

**Using Technology to Monitor Patient Outcomes**  
*Moderator: William L. Baker, Pharm.D., BCPS*  
Senior Scientist, Evidence-Based Practice Center, Hartford, Connecticut, U.S.A.

*Bradford N. Barker, BSEE*  
Doctoral Graduate Student in Pharmacy Informatics, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

*Elizabeth A. Flynn, Ph.D.*  
Associate Research Professor, Auburn University, Auburn, Alabama, U.S.A.

*Kenneth N. Barker, B.S., M.S.*  
Sterling Professor and Director, Center for Pharmacy Operations and Designs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

4:30 p.m. – 6:00 p.m. Curricular Track 2 Workshop: Complementary and Alternative Medications

**Utilizing CAM Information in Clinical Practice: Finding, Interpreting, and Evaluating Resources**  
*Moderator: J.W.Foppe van Mil, Ph.D., Pharm.D.*  
Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands

*Faculty: Philip J. Gregory, Pharm.D.*  
Assistant Professor, Pharmacy Practice, Center for Drug Information & Evidence-Based Practice, Creighton University, Omaha, Nebraska U.S.A.

*Amy Friedman Wilson, Pharm.D.*  
Associate Professor of Pharmacy Practice; Director, Center for Drug Information & Evidence-Based Practice, Creighton University School of Pharmacy and Health Professions, Omaha, Nebraska, U.S.A.

4:30 p.m. – 6:00 p.m. Curricular Track 3 Workshop: Impact of Pharmacogenomics and Culture on Medication Use and Safety

**Moderator: Mary Beth O'Connell, Pharm.D., FCCP, BCPS**  
Associate Professor, Eugene Applebaum College of Pharmacy, Wayne State University, Detroit, Michigan, U.S.A.

4:30 p.m.  Improving Medication Knowledge and Individualized Care: A Culturally Competent Approach

*Nathaniel M. Rickles, Pharm.D., Ph.D., BCPP*  
Assistant Professor of Pharmacy Practice and Administration, Northeastern University, School of Pharmacy, Boston, Massachusetts, U.S.A.

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*All programming subject to change.*
5:15 p.m.  Cultural Issues That Impact Patient Care

Emily Weidman-Evans, Pharm.D., AE-C
Assistant Professor, University of Louisiana at Monroe College of Pharmacy, Shreveport, Louisiana, U.S.A.

4:30 p.m. – 6:00 p.m. Curricular Track 4 Workshop: Medication Error Assessment and Strategies for Error Prevention

Implementing Novel Medication Error Prevention Strategies

Moderator: Brian L. Erstad, Pharm.D.
Professor, College of Pharmacy-Pulido Center, The University of Arizona, Tucson, Arizona, U.S.A.

Faculty: Gordon Thomson, MSc, MRPharmS
Principal Clinical Pharmacist, Medicine & Cardiovascular Ninewells Hospital & Medical School, Dundee, Scotland, United Kingdom

All programming subject to change.
4:30 p.m. – 6:00 p.m. | Scientific Paper Platform Presentations IV – General Clinical/Education

76. Drug-related hospital admissions: prospective analysis of 3904 patients
Chuenjid Kongkaew, MSc¹, Peter Noyce, PhD¹, Steven Williams, BPharm¹, David Metcalfe, BSc², Jaydeep Mandal, MD³ and Darren M. Ashcroft, PhD¹
(1)School of Pharmacy and Pharmaceutical Sciences, University of Manchester, Manchester, United Kingdom
(2)Wrightington, Wigan and Leigh NHS Trust, Wigan, United Kingdom
(3)University Hospital of South Manchester NHS Trust, Manchester, United Kingdom

90. Authentication of drugs at the point of dispensing protects patients
Steven RA Simoens, MSc, PhD¹ and Jan Saevels, MSc²
(1)Katholieke Universiteit Leuven, Leuven, Belgium
(2)Association Pharmaceutique Belge, Brussels, Belgium

75. Latent opportunities for errors in medication orders in four health authorities
Neil J. MacKinnon, BSc(Pharm), MSc, PhD¹, Rumi Pattar, BSc(Pharm), PharmD², Rita Nigam, PhD¹, Vaneeta K. Grover, MSc¹ and Tiffany T. Nguyen, BSc¹
(1)Dalhousie University, Halifax, NS, Canada
(2)University of British Columbia, Vancouver, BC

315. Audit of errors and quality of patient medication hospital discharge information
Tommy Eriksson, AssProf, PhD, MScPharm, Emma Hamrin, MScPharm and Åsa Bondesson, PhD, MScPharm
Hospital Pharmacy University Hospital, Lund, Sweden

26. Problem based learning within UK pharmacy education: What is its value?
Tracey Sach, PhD¹, David J. Wright, BPharm, PharmD² and Jane Evans, MPharm, (Hons)¹
(1)School of Chemical Sciences & Pharmacy, Norwich, United Kingdom
(2)University of East Anglia, Norwich, United Kingdom

327. Attitudes of pharmacy students toward patients with mental illness in Benin City, Nigeria
Ehijie F.O. Enato, PhD¹ and Chioma M. Okpalla, PharmD²
(1)Department of Clinical Pharmacy & Pharmacy Practice, Faculty of Pharmacy, University of Benin, Benin City, Nigeria
(2)At the time of the study, Dr Okpalla was a PharmD student at the Faculty of Pharmacy, University of Benin, Benin City, Nigeria

6:30 p.m. – 8:00 p.m. | PRN-SIG Business Meetings and Networking Forums
6:30 p.m.  **Cardiology**  
Join the Cardiology PRN Business Meeting, followed by research presentations by residents and fellows. An informal reception will follow, allowing networking among new and old members, members collaborating on PRN-related projects, and trainees looking for job opportunities.

6:30 p.m.  **Central Nervous System**  
Please join the CNS PRN for a networking session with your international colleagues. Posters presented at the Spring meeting will be discussed.

6:30 p.m.  **Clinical Administration**  
Anyone interested in issues related to clinical leadership and practice management is cordially invited to join this PRN Business Meeting and Networking Forum. There will be ample time to network and discuss issues related to practice and clinical administration. Several PRN members will make brief, informal presentations on relevant topics. Refreshments will be provided.

6:30 p.m.  **Critical Care**  
Join the PRN networking forum and liaise with colleagues while you enjoy hors d’oeuvres. Presentations will include a summary of PRN activities, reports from PRN officers, and the resident/fellow research travel award.

6:30 p.m.  **Drug Information**  
Business Meeting for the DI PRN with an opportunity to meet the officers and members of the PRN. Current activities of the PRN will be discussed as well as any additional items that the members bring to the meeting.

6:30 p.m.  **Nephrology**  
The primary purpose of this meeting is to review the Nephrology PRN History Poster. Additionally, a short business meeting and time for networking with peers will be allotted.

6:30 p.m.  **Women’s Health**  
The Women’s Health PRN will hold its Networking Forum for current and prospective members. The business meeting will include an update of PRN activities and initiatives, as well as provide an opportunity to become involved in the PRN and meet others with interests and practices in Women’s Health. Light hors d’oeuvres and beverages will be served.

8:00 p.m. – 9:30 p.m.  **Closing Reception**

**Tuesday, April 28, 2009**

7:00 a.m. – 1:00 p.m.  **Meeting Registration, Bookstore, and Cyber Café**

8:00 a.m. – 10:00 a.m.  **Global Clinical Pearls**

*All programming subject to change.*
8:00 a.m. – 10:00 a.m. **Attributes of a Leader, Part II**

*Part of the ACCP Academy Leadership and Management Certificate Program. For more information visit the Web site at http://www.accp.com/academy.*

Part I of this symposium will be held on Monday, April 27, 8:00 a.m. – 9:45 a.m.

**Moderator:** Robert E. Smith, Pharm.D.
Professor and Assistant to the Dean for Professional Affairs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

**Faculty:** Peter Hurd, Ph.D.
Professor of Pharmacy Administration, Director of Pharmaceutical Sciences and Liberal Arts Division, Assistant Dean for Assessment, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

Robert E. Smith, Pharm.D.

8:00 a.m. – 10:00 a.m. **Survey Methods: Applications in Educational and Health Services Research**

*Part of the ACCP Academy Research and Scholarship Development Certificate Program. For more information visit the Web site at http://www.accp.com/academy.*

**Diane E. Beck, Pharm.D.**
Director, Educational and Faculty Development, University of Florida, Gainesville, Florida, U.S.A.

**Kathleen Bungay, B.S., R.Ph., Pharm.D., M.S., FCCP**
Associate Professor, Northeastern University School of Pharmacy, Boston, Massachusetts, U.S.A.

8:00 a.m. – 12:30 p.m. **Updates in Therapeutics: The Pharmacotherapy Preparatory Course**

**Moderator:** Brian Hemstreet, Pharm.D., BCPS
Assistant Professor, University of Colorado at Denver and Health Sciences Center, Denver, Colorado, U.S.A.

8:00 a.m. Gastrointestinal Disorders
*Brian Hemstreet, Pharm.D., BCPS*

9:10 a.m. Outpatient Cardiology
*Robert Lee Page II, Pharm.D., FCCP, FAHA, BCPS, CGP*
Associate Professor of Clinical Pharmacy & Physical Medicine; Clinical Specialist, Division of Cardiology, University of Colorado at Denver Health Sciences Center, School of Pharmacy, Aurora, Colorado, U.S.A.

All programming subject to change.
10:15 a.m. – 12:15 p.m.  **Final Plenary Session**  
*Moderators: John E. Murphy, Pharm.D., FCCP, FASHP*  
ACCP President; University of Arizona, Tucson, Arizona, U.S.A.

*Frank Jørgensen*  
ESCP President; Advisory Service Hordaland, The Hospital Pharmacy at Haukeland, Bergen, Norway

10:15 a.m.  Best Paper Presentation

10:30 a.m.  **Raising the Bar: Establishing Clinical Pharmacist Competence to Ensure Patient Safety**  
*Rose Marie Parr, BSc (Hons), MSc, PhD, FRPharmS*  
Director of Pharmacy, NHS Education for Scotland, Glasgow, Scotland, United Kingdom

11:15 a.m.  **Patient Safety in 2015 and Beyond: Clinical Pharmacy’s Future Roles and Responsibilities**  
*Philip J. Schneider, M.S., F.A.S.H.P.*  
Clinical Professor and Director, Administrative and Professional Affairs, University of Arizona College of Pharmacy at the Phoenix Biomedical Campus, Phoenix, Arizona, U.S.A.

11:45 a.m.  Plenary Questions

12:00 p.m.  Closing Remarks

*All programming subject to change.*