The CU Skaggs School of Pharmacy and Pharmaceutical Sciences presents

ADVANCES IN PHARMACY PRACTICE

SATURDAY, FEBRUARY 22, 2014

University of Colorado Anschutz Medical Campus
Education 2 South
13001 E. 17th Place
Aurora, Colorado 80045

Videoconferences in Grand Junction, Loveland and Pueblo!
LEARNING OBJECTIVES

After attending each of the following presentations, participants should be able to:

Immunizations 2014: What Pharmacists Can Do to Reduce Vaccine-preventable Disease
ACPE# 0008-0000-14-001-L01-P*
1. Explain how vaccines and adjuvants stimulate the immune response and use this knowledge to recommend an appropriate immunization for a patient.
2. Describe the latest developments for the influenza vaccine (trivalent vs. quadrivalent, high-dose, and different delivery systems) and outline vaccinations in the development pipeline.
3. List three steps that pharmacists can take to reduce the incidence of vaccine-preventable diseases in their communities.

Infectious Disease Update: Trends in Antimicrobial Resistance, Stewardship and Drug Development
ACPE# 0008-0000-14-002-L01-P*
1. Describe the interplay of pathogen, host, and environment in the development of infectious disease and cite a recent example in which these elements were significant. Citing at least one property of each, distinguish antimicrobial resistance from pathogen virulence.
2. Outline the purpose and multidisciplinary structure of an antimicrobial stewardship program and explain how pharmacists in outpatient and inpatient settings can promote appropriate antimicrobial usage.
3. Describe potential indications and pharmacologic attributes of new antimicrobials currently in late-stage development.

Update on Current Medical Therapy for Diabetes
ACPE# 0008-0000-14-003-L01-P*
1. Explain the pathophysiology that underlies current therapies for type 1 and type 2 diabetes mellitus.
2. Given a patient case, describe how to individualize A1C targets and drug choices for that person.
3. Discuss practical aspects of initiating and adjusting old and new therapeutic agents for diabetes mellitus.

Improving Outcomes from Pre-diabetes to Diabetes: Strategies to Minimize Progression and Complications
ACPE# 0008-0000-14-004-L01-P*
1. Outline the current evidence for the effectiveness of lifestyle interventions for the prevention or delay of progression to diabetes in patients who are at risk for diabetes.
2. Describe the non-pharmacotherapeutic options to improve glucose control and reduce complications in patients with diabetes.
3. Given a profile of a patient with diabetes, provide two to three methods that a pharmacist could use to support the patient’s efforts to improve glucose control and subsequent diabetes complications.

2014 Regulatory and Legislative Update: State and National Perspectives
ACPE# 0008-0000-14-005-L03-P*
1. Discuss the latest developments concerning the Affordable Care Act and how they will affect the practice of pharmacy.
2. Summarize the latest developments in state and national initiatives and legislation related to pharmacy.
3. Describe the impact of FDA, DEA and state board of pharmacy rules and proposed rules of 2012-2013.

Drug Interactions Every Pharmacist Should Know
ACPE# 0008-0000-14-006-L01-P*
1. Describe the basic mechanisms for drug-drug interactions.
2. Identify medications involved in clinically relevant interactions.
3. Given selected drug-drug interactions, determine possible management strategies to minimize or avoid harm.

Evidence-based Treatment of Hypertension and High Blood Cholesterol: Update on New Guidelines
ACPE# 0008-0000-14-007-L01-P*
1. Describe the process for developing new hypertension, high blood cholesterol, and assessment of cardiovascular risk guidelines.
2. Review new guideline recommendations for the treatment of patients with hypertension and dyslipidemia.
3. List patient specific blood pressure goals and recommended treatments for patients with hypertension.
4. Identify patients who are eligible for statin-based therapy and describe how they should be treated.

*(1 contact hour – knowledge-based)
# Advances in Pharmacy Practice: 2014

## Faculty

### Presenters
- **Gerard Barber, RPh, MPH, FASHP**  
  Coordinator  
  P&T and Clinical Pharmacy Services,  
  Co-Chair, Pharmacy & Therapeutics Committee  
  University of Colorado Hospital

- **Samuel Ellis, PharmD, BCPS, CDE**  
  Associate Professor  
  Skaggs School of Pharmacy and Pharmaceutical Sciences  
  University of Colorado Denver

- **Val Kalnins, RPh**  
  Executive Director  
  Colorado Pharmacists Society

- **Daniel Malone, RPh, PhD**  
  Professor  
  College of Pharmacy  
  University of Arizona

- **Michael McDermott, MD**  
  Director  
  Endocrinology and Diabetes Practice  
  University of Colorado Denver

- **Wesley Nuffer, PharmD, CDE**  
  Assistant Professor  
  Skaggs School of Pharmacy and Pharmaceutical Sciences  
  University of Colorado Denver

- **Joseph Saseen, PharmD, FCCP, BCPS, CLS**  
  Professor and Vice Chair  
  Department of Clinical Pharmacy  
  Professor, Department of Family Medicine  
  CU Schools of Pharmacy and Medicine

### Conference Coordinator
- **Kathleen McCartney, PharmD**  
  Coordinator  
  Continuing Pharmacy Education  
  Skaggs School of Pharmacy and Pharmaceutical Sciences  
  University of Colorado Denver

We would also like to acknowledge the contributions of the conference site coordinators: **Tonya Cook**, clinical pharmacy specialist at St. Mary’s Hospital in Grand Junction; **Brian Feagans**, pharmacy clinical manager at St. Mary-Corwin Hospital in Pueblo; **Brandi Koepp**, pharmacy clinical coordinator at the Medical Center of the Rockies in Loveland; and **Benton Westergaard**, program administrator for the University of Colorado Office of Continuing Pharmacy Education.

## Program Schedule

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<th>Time</th>
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<tr>
<td>7:30 AM</td>
<td>Continental Breakfast and Sign-in</td>
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<tr>
<td>8:00 AM</td>
<td>Announcements &amp; Introductions</td>
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| 8:15 AM | Immunizations 2014: What Pharmacists Can Do to Reduce Vaccine-preventable Disease  
  Wes Nuffer, PharmD, CDE |
| 9:15 AM | Infectious Disease Update: Trends in Antimicrobial Resistance, Stewardship and Drug Development  
  Gerard Barber, RPh, MPH, FASHP |
| 10:15 AM | Refreshment Break                                                        |
| 10:30 AM | Update on Current Medical Therapy for Diabetes                          
  Michael McDermott, MD          |
| 11:30 AM | Improving Outcomes from Pre-diabetes to Diabetes: Strategies to Minimize Progression and Complications  
  Sam Ellis, PharmD, BCPS, CDE |
| 12:30 PM | Lunch                                                                   |
| 1:15 PM | 2014 Regulatory and Legislative Update: State and National Perspectives  
  Val Kalnins, RPh |
| 2:15 PM | Drug Interactions Every Pharmacist Should Know                           
  Daniel Malone, RPh, PhD         |
| 3:15 PM | Break                                                                   |
| 3:30 PM | Evidence-based Treatment of Hypertension and High Blood Cholesterol: Update on New Guidelines  
  Joseph Saseen, PharmD, FCCP, BCPS, CLS |
| 4:30 PM | Program Evaluation & Wrap-up                                            |

## Accreditation

The CU Skaggs School of Pharmacy and Pharmaceutical Sciences is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. This program has been accredited for up to 7 contact hours of knowledge-based education. To receive CE credit for this seminar, participants must complete the statement of attendance and program evaluation and provide their NABP eProfile ID number and month and day of their birthdate upon registration. CE credit will be uploaded to CPE Monitor within three weeks.
VIDEO CONFERENCES

Loveland, Colorado
The Advances in Pharmacy Practice symposium will be available by videoconference in Loveland at Medical Center of the Rockies, 2500 Rocky Mountain Ave, Loveland, Colorado 80538. Registration, room details parking information is available at www.UCDenver.edu/pharmacy/Advances2014.

Pueblo, Colorado
The Advances in Pharmacy Practice symposium will be available by videoconference in Pueblo at St. Mary Corwin Medical Center, 1008 Minnequa Ave, Pueblo, Colorado 81004. Registration, room details parking information is available at www.UCDenver.edu/pharmacy/Advances2014.

Grand Junction, Colorado
The Advances in Pharmacy Practice symposium will be available by videoconference in Grand Junction at St. Mary’s Hospital, 2635 North 7th Street, Grand Junction, Colorado 81502-1628. Registration, room details parking information is at www.UCDenver.edu/pharmacy/Advances2014.

REGISTRATION
Registration fees of $115 for University of Colorado alumni and preceptors, $125 for member of the Colorado Pharmacists Society, and $135 otherwise. Registration includes all educational materials and meals. Please register online at www.ucdenver.edu/Pharmacy/Advances2014 by Wednesday, February 19, 2014.

Cancellations received by February 19, 2014 will be fully refunded; no refunds will be available after February 19, 2014. For questions please call 303-724-4298 or email sop.ContinuingEducation@ucdenver.edu.

LOCATION
The Advances conference will be held at the Anschutz Medical Campus of the University of Colorado in auditorium L28-1102 (Education 2 South). The Anschutz Medical Campus is located just west of I-225 and Colfax Avenue in Aurora. Pre-registrants will be given a parking code for complimentary parking. Otherwise, parking will be available for $1 in any visitor lot.