

# CHRISTOPHER R. FORTIER, PHARM.D.

## CURRICULUM VITAE

AUGUST 2010

Medical University of South Carolina  
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### EDUCATION AND TRAINING

- 2004-2005      **Health-System Pharmacy Administration Residency (PGY-2)**  
*Medical University of South Carolina, Charleston, SC*  
*Residency director and program director: Paul W. Bush, PharmD, MBA, FASHP*  
*American Society of Health-System Pharmacists accredited residency*
- 2003-2004      **Post Graduate Year 1 (PGY-1) Practice Residency**  
*Medical University of South Carolina, Charleston, SC*  
*Residency director and program director: Paul W. Bush, PharmD, MBA, FASHP*  
*American Society of Health-System Pharmacists accredited residency*
- 2003            **Doctor of Pharmacy (PharmD)**  
*University of Connecticut School of Pharmacy, Storrs, CT*

### PROFESSIONAL EXPERIENCES

- 2007-present      **Medical University of South Carolina Medical Center, Charleston, SC**  
*Assistant Director, Pharmacy Support & Operating Room Services*  
*Supervisor: Heather Kokko, PharmD; Paul Bush, PharmD, MBA, FASHP*
  - Oversee procurement/contracting, nuclear pharmacy, 3 operating room pharmacies, investigational drug services, control substances, compounding, clinic medication distribution, and the bar code repackaging center
- 2005-2007      **Medical University of South Carolina Medical Center, Charleston, SC**  
*Coordinator II, Pharmacy Administrative Services*  
*Clinical Coordinator, Ambulatory Care (Interim)*  
*Coordinator, Pharmacotherapy Clinic*  
*Clinical Specialist, Pharmacotherapy Clinic*  
*Supervisor: Paul Bush, PharmD, MBA, FASHP*
- 2003-2005      **Medical University of South Carolina Medical Center, Charleston, SC**  
*Clinical Pharmacist, Adult and Pediatric Hospitals*  
*Supervisor: Jennie Adams-Holt, RPh, Coordinator*

### ACADEMIC APPOINTMENT

- 2005-present      **South Carolina College of Pharmacy – MUSC Campus, Charleston, SC**  
*Clinical Assistant Professor, Department of Clinical Pharmacy & Outcome Sciences*

## PUBLICATIONS

Shah B, Fortier CR. **A roadmap to vendor selection for barcode medication administration.** *Pharmacy Practice News*. Publication pending.

Miller D, Fortier CR, Garrison KD. **The impact of bar code medication administration technology and clinician workarounds on high alert medication administration errors.** *Ann Pharmacother*. Publication pending.

Fox BI, Felkey BG, Fortier CR. **Pharmacy automation and technology: The environment and eprescribing and its impact on the pharmacy department.** *Hosp Pharm*. 2009 Jan; 44(1): 77-80

Fortier CR. **Health-system pharmacy administration residency a course for career success.** *Pharmacy Student*. March/April 2007; 2(4): 22

Fortier CR. **Hearing new practitioners loud and clear.** American Society of Health-System Pharmacists New Practitioners Forum. February 2007.

Fortier CR. **New practitioners: Determined to strengthen and promote pharmacy legislative advocacy.** *American Society of Health-System Pharmacists Midyear Clinical Meeting - News and Views*. December 2006.

Fortier CR. **Pharmacy legislation: What are we doing and how can you play a role.** American Society of Health-System Pharmacists New Practitioners Forum. <http://www.ashp.org/npreres/chair.cfm?cfid=16395192&CFToken=81294577>. October 2006.

Kalus JS, Piotrowski AA, Fortier CR, Liu X, Kluger J, White CM. **The hemodynamic and electrocardiographic effects of short-term ginkgo biloba in healthy volunteers.** *Ann Pharmacother*. 2003 Mar; 37(3): 345-9

White CM, Kalus JS, Quercia R, Fortier CR, Piotrowski AA, Roach A, Sostek MB. **Delivery of esomeprazole magnesium enteric-coated pellets through small caliber and standard nasogastric tubes and gastrostomy tubes in vitro.** *Am J Health Syst Pharm*. 2002 Nov 1; 59(21): 2085-8

Fortier CR. **Increasing technician ratios: good or bad idea?** *J Pharm Technol*. May/June, 2003; (19): 187-88

Fortier CR. **Increasing technician ratios: good or bad idea?** *Arizona Pharmacist*. January/February/March, 2003; 37, 39

Fortier CR. **Three members one year, one hundred the next...how did we do it?** *Pharmacy Student*. September/October, 2002: 6-7

Fortier CR. **Increasing technician ratios: good or bad idea?** *Connecticut Pharmacist*. Summer, 2002: 17

Fortier CR. **A student perspective.** *Connecticut Pharmacist*. Winter, 2001-2002: 13, 19

Fortier CR. **A student perspective.** *Connecticut Pharmacist*. Fall, 2001: 5

Fortier CR. **A student perspective.** *Connecticut Pharmacist*. Summer, 2001: 5

## BOOK CHAPTERS

**Fortier CR, Mitchell S. Project Management.** In: Felkey B, Fox B, Thrower M. Pharmacy Informatics. 2<sup>nd</sup> ed. Washington, DC. American Pharmacists Association. Awaiting publication in 2010

**Fortier CR, White SJ. Professional Leadership.** In: White S, Decoske M, Tryon J. Leadership Secret Revealed! Becoming the Pharmacist You Want to Be. 1<sup>st</sup> ed. Bethesda, MD. American Society of Health System Pharmacists. Awaiting publication in 2011

**Fortier CR.** Acknowledgement. Bush PW, Walesh SG. **Managing and Leading: 44 Lessons Learned for Pharmacists.** Bethesda: American Society of Health-System Pharmacists; 2008.

## PROFESSIONAL PRESENTATIONS

- 2010            **Implementing a pre-filled, pre-labeled OR anesthesia syringe system.** The New York State Society of Anesthesiologist – 64<sup>th</sup> Annual Post Graduate Assembly in Anesthesiology. December 2010. New York, NY
- 2010            **Plenary session – Safe, effective, and efficient medication distribution: Challenging paradigms and bedrocks.** Hospital and Health System Pharmacy Practice Model Summit. November 2010. Dallas, TX
- 2010            **Implementing a pre-filled, pre-labeled OR anesthesia syringe system.** American Society of Anesthesiology Annual Meeting. October 2010. San Diego, CA.
- 2010            **Implementing a pre-filled, pre-labeled OR anesthesia syringe system.** Florida Society of Anesthesiologists Annual Meeting. June 2010. West Palm Beach, FL
- 2010            **Medication repackaging: In-house or outsource. That is the question?** The UnSUMMIT. May 2010. Atlanta, GA
- 2010            **Pharmacy student leadership workshop.** South Carolina Society of Health System Pharmacists Spring Meeting. March 2010. Hilton Head, SC
- 2009            **Integrating technology to improve medication-use and patient safety.** American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2009. Las Vegas, NV
- 2009            **Human resource case studies from the front line.** American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2009. Las Vegas, NV
- 2009            **New pharmacy automation and technology update.** South Carolina Society of Health System Pharmacists Technology Symposium. October 2009. Columbia, SC
- 2009            **Facilitating the use of bar coding for the successful closed-loop medication management system.** American Society of Health-System Pharmacists Summer Meeting. June 2009. Chicago, IL
- 2008            **Information technology and the pharmacy department: collaboration or conflict?** American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2008. Orlando, FL
- 2008            **ASHP 101 for pharmacy students.** Panelist. American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2008. Orlando, FL
- 2008            **Answers to questions you were afraid to ask - student programming.** Panelist. American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2008. Orlando, FL

- 2008 **Bedside bar code point of care.** South Carolina Society of Health System Pharmacists Technology Symposium. October 2008. Columbia, SC
- 2008 **Linear, 2-D stacked, 2-D matrix, oh my! Navigating the complexities of barcode medication administration.** American Society of Health-System Pharmacists Summer Meeting. June 2008. Seattle, WA
- 2008 **Recruitment and retention: Getting who you need: Making your message clear.** American Council of Clinical Pharmacy Spring Practice and Research Forum. April 2008. Phoenix, AZ
- 2008 **Medication reconciliation best practices.** Carolina Continual Survey Readiness Regional Meeting. April 2008. Columbia, SC
- 2007 **American Society of Health-System Pharmacists student outreach visit.** Presentation to students and faculty of the University of Connecticut's chapter of the Student Society of Health-System Pharmacists. November 2007. University of Connecticut School of Pharmacy, Storrs, CT
- 2007 **Project management 101.** American Society of Health-System Pharmacists New Practitioners Great Expectations Conference. September 2007. Chicago, IL
- 2007 **Unique roles and career paths for new practitioners: Informatics.** American Society of Health-System Pharmacists New Practitioners Great Expectations Conference. September 2007. Chicago, IL
- 2007 **CMS quality indicators: Strategies for 100% compliance.** South Carolina Society of Health-System Pharmacists Annual Spring Symposium. March 2007. Myrtle Beach, SC
- 2006 **American Society of Health-System Pharmacists student outreach visit.** Presentation to students and faculty of the Ferris State University's chapter of the Student Society of Health-System Pharmacists. November 2006. Ferris State University College of Pharmacy, Big Rapids, MI
- 2006 **Managing midyear mania.** Alabama Society of Health-System Pharmacists Annual Meeting. October 2006. Birmingham, AL
- 2006 **Ok I'm a manager, now what? Surviving your first 100 days.** American Society of Health-System Pharmacists New Practitioners Great Expectations Conference. Panelist. September 2006. Chicago, IL
- 2005 **American Society of Health-System Pharmacists student outreach visit.** Presentation to students and faculty at two Student Society of Health-System Pharmacists Chapters. November 2005. University of Michigan College of Pharmacy, Ann Arbor, MI; Wayne State University College of Pharmacy, Detroit, MI
- 2005 **Pharmacy update telecast: Medication therapy management services.** American College of Pharmaceutical Education (ACPE) accredited telecast to pharmacists at 23 sites throughout the State of South Carolina. March 2005. Medical University of South Carolina, Charleston, SC
- 2004 **Medication therapy management services.** American College of Pharmaceutical Education (ACPE) accredited seminar to clinical pharmacists, residents, and pharmacy students. October 2004. Medical University of South Carolina, Charleston, SC
- 2004 **Implementation and evaluation of smart infusion pump technology.** Resident project presentation to southeastern region pharmacy residents. Southeastern Residency Conference. May 2004. University of Georgia Continuing Education Center, Athens, GA

- 2004            **Justifying clinical pharmacy services.** American College of Pharmaceutical Education (ACPE) accredited seminar to clinical pharmacists, residents, and pharmacy students. February 2004. Medical University of South Carolina, Charleston, SC

## **POSTER PRESENTATIONS**

- 2010            Kellner A, **Fortier CR**, Guidry O. **Outsourced pre-filled syringe system conversion: An assessment of OR IV waste reduction and anesthesia clinician satisfaction.**
- American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2010. Anaheim, CA
- 2010            **Fortier CR**, Brownlee M, Hermann S, Nguyen L. **Sterile product IV robotics: Impact on health-system medication quality and cost-benefit evaluation of current technologies.**
- American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2010. Anaheim, CA
- 2009            Brownlee M, **Fortier CR**. **Improving the process for selection, implementation, and maintenance of electronic order sets.**
- University HealthSystem Consortium Quality and Safety Fall Forum. September 2009. Atlanta, GA
- 2008            **Fortier CR**, Bushong M, Ross L. **Navigating the complexities: Tools for the selection, implementation, and maintenance of a bar code medication administration system.**
- University HealthSystem Consortium Quality and Safety Fall Forum. September 2008. Scottsdale, AZ
- 2007            **Fortier CR**, Teusink A, Taylor B. **Smart use of smart pumps: Tools for evaluation, selection, and implementation of smart pump technology**
- University HealthSystem Consortium Quality and Safety Fall Forum. October 2007. Palm Springs, CA
  - American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2007. Las Vegas, NV
- 2006            **Fortier CR**, Blair MM. **Implementing a pharmacist privileging process at a university medical center.**
- American College of Clinical Pharmacy Annual Meeting. October 2006. St. Louis, MO
  - American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2006. Anaheim, CA
- 2005            Cole SW, Davis KL, MacFall HM, Berensen NM, Wellein MG, **Fortier CR**, Starr JA, Ford SK. **Assessment of potentially inappropriate medications using the beers criteria in an inpatient setting.**
- American College of Clinical Pharmacy Annual Meeting. October 2005. San Francisco, CA
- 2004            **Fortier CR**, Mazur JE, Bush PW. **Baxter's colleague cx<sup>®</sup> with guardian feature: The implementation and evaluation of smart infusion pump technology in the medical intensive care unit.**
- American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2004. Orlando, FL
  - University HealthSystem Consortium Pharmacy Council Meeting. December 2004. Orlando, FL

- 2004 **Fortier CR, Bush PW, Uber LA. Pharmaceutical outcomes management program: An interdisciplinary approach to cost-effective therapy.**
- American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2004. Orlando, FL
  - University HealthSystem Consortium Pharmacy Council Meeting. December 2004. Orlando, FL
- 2004 **Fortier CR, Davis KL, Niedermeier DM, Mikeworth MM, Gulbis B, Berensen NM. Pharmacists' interventions to optimize management of patients with heart failure.**
- American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2004. Orlando, FL
  - University HealthSystem Consortium Pharmacy Council Meeting. December 2004. Orlando, FL
- 2003 **Fortier CR, Mazur JE, Bush PW. The evaluation and implementation of smart infusion pump technology to determine the potential for reducing medication errors within the medical intensive care unit.**
- American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2003. New Orleans, LA
  - University HealthSystem Consortium Pharmacy Council Meeting. December 2003. New Orleans, LA
- 2002-2003 **Fortier CR, Piotrowski AA, Kalus JS, Liu X, White CM. The hemodynamic and electrocardiographic effects of ginkgo biloba in healthy volunteers.**
- University of Connecticut Frontiers in Undergraduate Research Symposium. April 2003. Storrs, CT
  - American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2002. Atlanta, GA
- 2002 **White CM, Kalus JS, Quercia R, Fortier CR, Piotrowski AA, Roach A, Sostek MB. Esomeprazole capsule contents suspended in water can be efficiently delivered through nasogastric and gastrostomy tubes.**
- American College of Gastroenterology Annual Meeting. October 2002. Seattle, WA
  - American College of Clinical Pharmacy Annual Meeting. October 2002. Albuquerque, NM

## **PROGRAMS CHAIRED**

- 2010 **Project management strategies and organizational prioritization of technology.** Meeting program associate. American Society of Health-System Pharmacists Summer Meeting. June 2010. Tampa, FL
- 2010 **Maximizing informatics operational efficiencies.** Meeting program associate. American Society of Health-System Pharmacists Summer Meeting. June 2010. Tampa, FL
- 2010 **Oncology informatics applications.** Meeting program associate. American Society of Health-System Pharmacists Summer Meeting. June 2010. Tampa, FL
- 2009 **Answers to questions you were afraid to ask – student programming.** American Society of Health-System Pharmacists Midyear Clinical Meeting. December 2009. Las Vegas, NV
- 2009 **Seek and IT shall find: Clinical surveillance systems.** Meeting program associate. American Society of Health-System Pharmacists Summer Meeting. June 2009. Chicago, IL

- 2009      **Implementation of new technology: Planning for the changing roles and new opportunities for pharmacists and technicians.** Meeting program associate. American Society of Health-System Pharmacists Summer Meeting. June 2009. Chicago, IL
- 2004      **Emerging as a new manager.** Phi Lambda Sigma Leadership Seminar Series. April 2004. Medical University of South Carolina, Charleston, SC
- 2004      **Leadership in healthcare.** PHMPR 766 – Effective Leadership and Advocacy. November 2004. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2004      **Leadership in pharmacy.** PHMPR 766 – Effective Leadership and Advocacy. November 2004. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2003      **Preparing for the pharmacist licensure exam program.** Academy of Students of Pharmacy. March 2003. American Pharmacists Association Annual Meeting and Exposition, New Orleans, LA

### PRECEPTING EXPERIENCES

- 2006-present      **Medical University of South Carolina Medical Center and College of Pharmacy Residency Program, Charleston, SC**  
*Coordinator, PGY-1 Practice Residency Program*
  - Wesley Pierce, PharmD (2010-2011)
  - David DeLong, PharmD (2009-2010)
  - Brianne Dunn, PharmD and Kellianne Boyle, PharmD (2008-2009)
  - Michael DeCoske, PharmD and John Bossaer, PharmD (2007-2008)
  - Kimberly Blanco, PharmD and Lizbeth Hansen, PharmD (2006-2007)
- 2006-present      **PHMPR 849: Health-System Pharmacy Administration Clerkship.** South Carolina College of Pharmacy – MUSC Campus, Charleston, SC
  - 4-6 students/year

### TEACHING EXPERIENCES

- 2009      **Blood pressure.** SCCP 895 - Clinical Assessment. April 2009. South Carolina College of Pharmacy – MUSC Campus, Charleston, SC
- 2009      **Smart infusion pumps.** SCCP 791 – Hospital Lab II. March 2008, 2009. South Carolina College of Pharmacy – MUSC Campus, Charleston, SC
- 2008      **Purchasing and inventory management.** SCCP 759 – Health System Pharmacy Practice: Pharmacy Systems and Services. September 2007, 2008. South Carolina College of Pharmacy – MUSC Campus, Charleston, SC
- 2008      **Recruitment and retention.** PHMPR 763 – Health Systems Practice: Policy and Practice. April 2006, 2007, 2008. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2008      **Concepts of leadership.** PHMPR 763 – Health System Practice: Policy and Practice. March 2004, 2005, 2006, 2007, 2008. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2007      **Pharmacy technology: Bar code medication administration.** PHMPR 764 – Health System Pharmacy Practice: Pharmacy Systems and Services. October 2007. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2007      **Ethics recitation.** PHMPR 711 – Pharmacy Law and Ethics. August-December 2004, 2005, 2006, 2007. Medical University of South Carolina College of Pharmacy, Charleston, SC

- 2006      **Opportunities in health systems and pharmacy management.** PHMPR 781 - Clinical Track Conference II. September 2006. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2006      **Organization of pharmacy services in health systems.** PHMPR 764 - Health System Pharmacy Practice: Pharmacy Systems and Services. August 2006. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2006      **Overview of the Joint Commission on Accreditation of Healthcare Organizations.** PHMPR 763 – Health System Practice: Policy and Practice. February 2005, 2006. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2006      **Medicare Part D and medication therapy management services.** PHMPR 765 – Geriatrics. January 2006. Medical University South Carolina College of Pharmacy, Charleston, SC
- 2005      **The management process: Motivating or demotivating personnel.** PHMPR 663 – Practice Management. October 2005. Medical University of South Carolina College of Pharmacy, Charleston, SC
- 2004      **Medication therapy management services.** PHMPR 663 – Practice Management. November 2004. Medical University of South Carolina College of Pharmacy, Charleston, SC

## **PROFESSIONAL AFFILIATIONS**

- 2006-present      **South Carolina Society of Health-System Pharmacists**
- Technology Symposium Planning Committee (2008-present)
  - Continuing Education Committee (2006-2007)
- 2006-2010      **Novation IV Products Task Force**
- 2003-present      **University HealthSystem Consortium**
- Executive Committee, UHC Pharmacy Council (2006-2010)
  - Chair, Pharmacy Council Medication Use Informatics and Technology Committee (2006-2010)
  - Member, Medication Use Informatics and Technology Committee (2003-present)
- 2003-present      **American College of Clinical Pharmacy**
- 2001-present      **Phi Lambda Sigma Pharmacy Leadership Fraternity**
- 2000-present      **American Society of Health-System Pharmacists**
- Member, Section of Pharmacy Informatics & Technology Section Advisory Group on Pharmacy Operations Automation (2009-present)
  - Immediate Past Chair, Practice Managers Section Advisory Group on Leadership Development (2008-2009)
  - Member, Center for Health-System Pharmacy Leadership Student and New Practitioner Task Force (2007-2010)
  - Chair, Practice Managers Section Advisory Group on Leadership Development (2007-2008)
  - Vice-Chair, Executive Committee, New Practitioners Forum (2006-2007)
  - Vice-Chair, Practice Managers Section Advisory Group on Leadership Development (2006-2007)
  - Member, Executive Committee, New Practitioners Forum (2005-2006)
  - Chair, New Practitioners Forum Communications and Public Affairs Advisory Group (2005-2007)
  - Member, New Practitioners Forum Leadership and Career Development Advisory Group (2003-2005/2007-2008)



- 1999-2003      **Student-Faculty Relations Committee**
- Class of 2003 Vice-president, University of Connecticut
- 1997-present      **American Pharmacists Association  
Academy of Student Pharmacists**
- Secretary, APhA-ASP House of Delegates (2002)
  - Chapter president, University of Connecticut (2001-2002)
  - Chapter president-elect, University of Connecticut (1999-2001)
- 1997-2003      **Connecticut Pharmacists Association**
- Executive committee (2001-2002)
  - Board of editors (2001-2002)

## **MEDICAL CENTER/UNIVERSITY AFFILIATIONS**

- 2007-present      **Anti-Infective Subcommittee**
- 2007-present      **Pharmacy and Therapeutics Committee**
- 2007-2008      **Admin-Rx (bar code point of care) Oversight Committee**
- 2006-present      **Infusion Device Committee**
- 2005-present      **Medication Reconciliation Task Force**
- 2005-present      **PGY-1 Practice Resident Committee**
- 2004-present      **Pharmacy Residency Committee**
- Chief resident (2004-2005)
- 2004-present      **Informatics and Formulary Subcommittee**
- Chairperson (2004-2005)
- 2003-present      **Pharmacy Leadership Team**
- 2003-present      **Medication Safety Improvement Committee**

## **COMMUNITY ACTIVITIES**

- 2004-present      **Harvest Free Medical Clinic, North Charleston, SC**
- Volunteer pharmacist
- 2003-2005      **Crisis Ministries Homeless Shelter, Charleston, SC**
- Volunteer pharmacist
- 1999-2001      **Haitian Experience 2000 and 2001, University of Connecticut, Storrs, CT**
- Year-long program highlighted with a ten day trip to the third world country

## **HONORS AND RECOGNITION**

- 2008      **ASHP New Practitioners Forum Distinguished Service Award**
- 2005-2007      **Executive Committee, ASHP New Practitioners Forum**
- 2004-2005      **Chief Resident, Medical University of South Carolina Medical Center and College of Pharmacy Residency Program**
- 2003      **Louis Kazin Journalism Award**

2003	<b>U. of Connecticut - Academy of Students of Pharmacy Certificate of Recognition</b>
2003	<b>Secretary, APhA-ASP House of Delegates</b>
2001	<b>Phi Lambda Sigma Pharmacy Leadership Fraternity</b>

#### **LICENSURE AND CERTIFICATIONS**

2003-present	<b>South Carolina Pharmacy License #010809</b>
2003-present	<b>Basic Life Support</b>