

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/np-res/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. 2nd 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. 1st 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 – 64th 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[®] 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 **U. of Connecticut - Academy of Students of Pharmacy Certificate of Recognition**

2003 **Secretary, APhA-ASP House of Delegates**

2001 **Phi Lambda Sigma Pharmacy Leadership Fraternity**

LICENSURE AND CERTIFICATIONS

2003-present **South Carolina Pharmacy License #010809**

2003-present **Basic Life Support**