

Stephen Frederick Eckel

200 Butternut Drive
Chapel Hill, NC 27514
seckel@unch.unc.edu

Home: (919) 933-7480 Pager: (919) 216-3647
Work: (919) 966-5749 Fax: (919) 966-7163

WORK EXPERIENCE

University of North Carolina Eshelman School of Pharmacy

Chapel Hill, NC

Clinical Associate Professor (March 2013 – Present)

Vice Chair, Graduate and Post-Graduate Education – Division of Practice Advancement and Clinical Education (March 2013 – Present)

- Graduate Program Director for the MS in Pharmaceutical Sciences with a specialization in Health-System Pharmacy Administration (August 2007 – present)

Clinical Assistant Professor of Pharmacy Practice (October 1999 – March 2013)

University of North Carolina Hospitals and Clinics

Chapel Hill, NC

Associate Director of Pharmacy (March 2013 – Present)

Assistant Director of Pharmacy (March 2002 – March 2013)

- Lead for 'Partnership in Patient Care' (July 2009 – July 2013)
 - Developed a 5-year strategic plan that would overlap missions between UNC Hospitals and UNC School of Pharmacy
 - Originated the Layered Learning Practice Model (LLPM)
 - 5 million dollar engagement
 - Plan supported and signed off by leadership of UNC and UNC Hospitals
- Clinic-based pharmacy services (March 2005 – present)
 - Grew a service line from involvement in two clinics to over seven clinics
 - Provide leadership through both prescribing and quality initiatives
 - Developed a process for facility fee billing, covering a majority of clinic-based pharmacist's salary
- Pediatric clinical and distributive services (March 2002 – July 2009)
 - Responsible for 10.4 FTEs
 - Pharmacy satellite operational for 7 days a week, 16 hours a day
 - Provide clinical services to all pediatric patients daily
 - Implemented many processes and systems to reduce medication errors and enhance patient care services
 - Opened the UNC Children's Hospital Pharmacy
- Adult clinical services (March 2005 – July 2009)
 - Responsible for 17.4 FTEs
 - Provided comprehensive clinical services daily to all adult patients
 - Enhanced our service coverage to provide more consistent services and innovative patient care
 - Developed and initiated clinical services where no pharmacists had existed previously (i.e. psychiatry; surgery critical care services)
 - Opened the UNC Women's Hospital
- Oncology service line (October 2008 – July 2009)
 - Responsible for 13.0 FTEs

- Provided both the safe preparation and appropriate utilization of all chemotherapy products
- Developed and opened the North Carolina Cancer Center pharmacy
- Decentralized pharmacy services (July 2008 – July 2009)
 - Responsible for 8.0 FTEs
 - Developed a completely new practice model to support them
 - Provided clinical pharmacy services in evening and weekend hours
- Investigational Drug Service (March 2005 – July 2007)
 - Responsible for 7.8 FTEs
 - Provided services 5 days a week, 8 hours a day
 - Managed over 400 active protocols
 - Improved revenue capture to become cost neutral and decrease protocol wait time
- Women's and Neurosciences' services (March 2002 – March 2005)
 - Introduced our first consistent clinical services in psychiatry
 - Worked with the nursing staff to improve pharmacy services
- IV Room operations (March 2002 – March 2005)
 - Overhauled operations for better services and reduced medication errors
 - Led the charge to prepare all IVs and decrease waste in the institution
- Chemotherapy operations (March 2002 – March 2005)
 - Oversaw two satellites to service both inpatients and outpatients
 - Provided over 180 chemotherapy preparations per day
 - Worked to bring both of the operations to function in similar fashion
- **Director of Residency Programs** (July 2004 – Present)
 - Residency Program Director for Pharmacy Practice Residency (July 2004 – January 2011)
 - Residency Program Director for 2 year Health-System Pharmacy Administration Residency / MS program (July 2008 – Present)
 - Residency Program Director for Pharmacy Practice Residency with emphasis in Managed Care (July 2011 – July 2012)
 - Responsible for ensuring all accreditation standards are met for the residency program
 - Oversee the development and growth of all residents
 - Supervise Pharmacy Practice Residency Coordinator and Specialty Residency Coordinator
 - Led the successful accreditation team for 11 different specialty residencies
- **Associate Residency Director** (July 2002 – June 2004)
 - Led Recruitment, Mentoring, and Evaluation of all residents
 - Supervised Residency Coordinator

Acute Care Services Manager for Central Pharmacy (August 1999 – March 2002)

- Inpatient pharmacy and IV room operations
- Personnel management for all technicians
- **Residency Coordinator** (November 1998 – July 2002)
 - Recruitment, Mentoring, and Evaluation of all residents

Clinical Pharmacist (October 1998 – August 1999)

- Clinical services provided to various inpatient teams

PharmaSTAT, Inc.

Winston Salem, NC

Pharmacist (May – July 1997)

EDUCATION AND TRAINING

Masters of Healthcare Administration

University of North Carolina at Chapel Hill, August 2002 – May 2005

Board Certified as Pharmacotherapy Specialist (BCPS)

Certified, October 1998

Re-certified, October 2005

Pharmacy Practice Residency

Duke University Medical Center, July 1997 – June 1998

Doctor of Pharmacy

University of North Carolina at Chapel Hill, May 1997

Teaching Assistant for Pharmacy Skills Lab, Aug.- Dec. 1994 and Aug. 1995 - Apr. 1996

Bachelor of Science in Pharmacy

University of North Carolina at Chapel Hill, May 1995

Highest Honors with Distinction

DIDACTIC TEACHING EXPERIENCE

Course Coordinator, 2008 – Present

UNC Eshelman School of Pharmacy
DPPEE 860: Advanced Pharmacy Operations

Course Co-Coordinator, 2010 – Present

UNC Eshelman School of Pharmacy
PHCY 434: Pharmacy Operations
Lead the Hospital Pharmacy Section

Course Coordinator, 2007 – 2009

Course Co-Coordinator, 2002 – 2003

UNC Eshelman School of Pharmacy
PHPR 94: Institutional Pharmacy Practice

Course Coordinator, 1999 – Present

University of North Carolina School of Dentistry
OMSU 220: Clinical Pharmacology and Therapeutics

Invited Lecturer, 2003 – 2005

UNC Eshelman School of Pharmacy
PHCY 84: Pharmacy Law and Ethics

Invited Lecturer, 2001 – Present

UNC Eshelman School of Pharmacy
PHPR 137 / PACE 820: Developing a Philosophy of Pharmacy Practice

Primary Preceptor, 2000 – Present

University of North Carolina Pharm.D. Candidates
Advanced Hospital Rotation

Co-Preceptor, 1997 – 1998

University of North Carolina at Chapel Hill Pharm.D. Candidates

Co-Preceptor, 1997 – 1998

Campbell University Pharm.D. Candidates

Invited Lecturer, 1998

Duke University Graduate Program in Physical Therapy
Medical Sciences 336

RESEARCH ACTIVITIES

Creating North Carolina Consensus Guidelines that Standardize Drug Infusion Concentrations and Dosing Units

Eckel SF (Primary Investigator, 10% Salary x 12 months)
\$47,953 Grant –Funded: Carefusion Foundation (2014)

Multicenter study to evaluate the benefits of Technology-assisted workflow on IV Room Efficiency, costs and Safety (TIRES study)

Eckel SF (Primary Investigator, 6% Salary x 18 months)
\$49,997 Grant –Funded: Baxter Medical (2014)

Evaluation of a new measurement device in improving the accuracy and precision of chemotherapy doses

Eckel SF (Primary Investigator, no salary support)
\$2,000 Grant – Funded: NC TraCS (2014)

Evaluating prevention of microbial ingress with the use of the Yukon Medical sterile access device

Eckel SF (Primary Investigator, 10% Salary x 4 months)
\$40,376 Contract – Funded: Yukon Medical (2014)

Using Lean Six Sigma to Improve the Process of Dispensing Medications at UNC Medical Center

Eckel SF (Primary Investigator , 5% effort x 12 months)
\$35,092 Grant – Not Funded: UNC Institute for Health Care Quality Improvement (2014)

Evaluating prevention of microbial ingress with the use of the Yukon Medical sterile access device

Eckel SF (Primary Investigator, 10% Salary x 4 months)
\$32,153 Contract – Funded: Yukon Medical (2013)

Prospective Evaluation of the Impact of Pharmacy Workflow Technology on Reducing Potential Medication Errors in the Preparation of Compounded Sterile Products

Eckel SF (Primary Investigator, 10% Salary x 18 months)
\$89,917 Grant – Not Funded: Baxter Medical (2013)

The Layered Learning Practice Model: Toward a Consistent Model of Pharmacy Practice

Pinelli NR (PI), Roth M, Weinberger M, and Eckel SF (Co-Investigator, 0% Salary x 1 year)
\$25,000 Grant – Funded: ASHP Foundation (5/2013)

Continuous Professional Development: State-Based Pilot Certificate Program.

Caiola S, Eckel SF, Tofade T, and Foushee L: IRB Approved Study
\$10,000 Grant

A Clinical Use Experience Trial of the Hospira Next Generation Infuser.

Eckel SF and McAllister JM: IRB Approved Study 04-PHARM-630
\$40,175 Grant

User Satisfaction Study for Abbott's MedNet Feature for Plum A+ Infusion Pumps.

McAllister JM and Eckel SF: IRB Approved Study 03-PHARM-359
\$22,546 Grant

A 10-Year Multi-Center Evaluation of Quinolone Usage and Susceptibility Trends.
Eckel SF and Klibanov O: *UNC Site Coordinator for Pfizer Multi-Center
Coordinator, July 2001
\$12,000 Grant*

THESIS SUBSTITUTE MENTORED

Christian Conley (2012-2014)

Evaluation of Dye Ingress Prevention using a Closed System Transfer Device

Kayley Lyons (2012-2014)

Development and Validation of a Survey to Evaluate a Hospital's Progress
against the Basel Statements.

Jeff Reichard (2011-2013)

Pharmacy-initiated Transitional Services: A Pilot study to Evaluate Impact on
Patient Satisfaction

Matt Lamm (2011-2013)

Analyzing methods for Improving Outpatient Chemotherapy Preparation
Turnaround Time in a Cancer Hospital Infusion Pharmacy

Adam Wolfe (2011-2013)

Evaluation of Non-Pharmacist Perception Regarding Internal Communication in
a Department of Pharmacy

Jacob Holler (2010-2012)

Development of a Method for Allocation of Pharmacist Resources to Ambulatory
Clinics

Lindsey Poppe (2009-2011)

Assessment of Dosing Accuracy when using Volumetric Technique in the
Preparation of Chemotherapy

Erinn Rowe (2008-2010)

Evaluating USP Chapter <797> Beyond Use Date Extension with
Antineoplastics and Monoclonal Antibodies

Alex Jenkins (2008-2010)

Analyzing Methods for Improved Management of Workflow in an Outpatient
Pharmacy Setting

PEER-REVIEWED PUBLICATIONS

Six-step process to bring innovation to health-system pharmacy

Wolfe A, Moore R, Shah S, and Eckel SF. Submitted for Publication – *American
Journal of Health-System Pharmacy*

**Pharmacy-initiated transitions of care services: An opportunity to impact patient
satisfaction**

Reichard JS, Savage SW, and Eckel SF. Submitted for publication – *Hospital Pharmacy*.

Impact of an Innovative Factor Stewardship Program on Drug Expense, Patient Care, and a Pharmacist's Role

Chen SL, Savage SW, Eckel SF, Daniels RD, Key N, and Poppe LB. Accepted for Publication – *American Journal of Health-System Pharmacy*

Validation of the “Global Basel Statement Survey” and Creation of the Basel Statement Tiers

Lyons KM, Blalock, S, Brock T, Manasse H, and Eckel SF. Accepted for Publication – *International Journal of Pharmacy Practice*

Using lean principles to improve outpatient adult infusion clinic chemotherapy preparation turnaround times

Lamm M, Eckel SF, Daniels R, and Poppe LB. Accepted for Publication – *American Journal of Health-System Pharmacy*

Assessment of final product dosing accuracy when using volumetric technique in the preparation of chemotherapy.

Poppe LB, Savage SW, and Eckel SF. *Journal of Oncology Pharmacy Practice*. Published online 2 September 2014.

Experience of health-system pharmacy administration residents in a longitudinal human resource management program

Amerine (Poppe) LB, Granko RP, Savage SW, Daniels R, Eckel SF. *American Journal of Health-System Pharmacy* 2014;71:2143-8.

Significant Publications about the Medication Use Process in 2012

Moore SJ, Jenkins AT, Poppe LB, Rowe EC, and Eckel SF. *Journal of Pharmacy Practice*. Published online 13 March 2014.

An integrated approach to research and manuscript development

Roederer M, Marciniak MW, O'Connor SK, and Eckel SF. *American Journal of Health-System Pharmacy* 2013;70:1211-8.

Pharmacy practice in Singapore and training experiences in the United States

Tee C, Raasch RH, and Eckel SF. *Journal of Asian Association of Schools of Pharmacy* 2012;1(3):137-144.

Clinical Training of Pharmacy Administration Residents

Holler J, Willoughby I, and Eckel SF. *American Journal of Health-System Pharmacy* 2012;69:1544

Economic and microbiologic evaluation of single dose vial extension for hazardous drugs

Rowe EC, Savage SW, Rutala WA, Weber DJ, Gergen Teague M, and Eckel SF. *Journal of Oncology Practice* 2012;8:45e-49e.

Analyzing Methods for an Improved Management of Workflow in an Outpatient Pharmacy Setting

Jenkins AT and Eckel SF. *American Journal of Health-System Pharmacy* 2012;69:966-71.

Implementation smart pumps for epidural infusions in an academic medical center

Kennerly J, Jenkins A, Lewis AN, and Eckel SF. *American Journal of Health-System Pharmacy* 2012;69:607-11.

Implementation of Continuous Infusion of Blood Coagulation Factors at an Academic Medical Center

Poppe LB, Eckel SF, and Savage SW. *American Journal of Health-System Pharmacy* 2012;69:522-526

Acute Care Clinical Pharmacy Practice: Unit- versus Service-Based Models

Haas CE, Eckel SF, Arif S, Beringer PM, Blake EW, Lardieri AB, Lobo BL, Mercer JM, Moye P, Orlando PL, and Wargo K. *Pharmacotherapy* 2012;32(2):e35-e44.

- Evaluating an Approach to Improving the Adoption Rate of Wireless Drug Library Updates for Smart Pumps**
Poppe LB and Eckel SF. *American Journal of Health-System Pharmacy* 2011;68:170-175.
- Evaluation of a Condensed Training Program to Introduce the Process of Continuing Professional Development**
Tofade TS, Foushee LL, Chou SY, Eckel SF, and Caiola SM. *Journal of Pharmacy Practice* December 2010;23:560-569
- Continuing Professional Development Training Program Among Pharmacist Preceptors and Non Preceptors**
Tofade TS, Chou SY, Foushee LL, Caiola SM and Eckel SF: *Journal of the American Pharmacists Association* 2010;50:6;730-735.
- Teaching Certificate Programs: A National Survey of Accredited Pharmacy Residency Programs**
Stegall-Zanation JD, Rusinko KC, Eckel SF: *American Journal of Health-System Pharmacy* 2010;67:1;16-17.
- User Satisfaction with an Intravenous Medication Safety System.**
Eckel SF, Anderson P, Zimmerman C, Szandzik EG, and McAllister JC: *American Journal of Health-System Pharmacy*. 2006;63:1419-1423.
- Relationship between Fluoroquinolone Use and Changes in Susceptibility to Fluoroquinolones of Selected Pathogens in 10 United States Teaching Hospitals, 1991-2000.**
Zervos MJ, Hershberger E, Nicolau DP, Ritchie D, Blackner LK, Coyle EA, Donnelly AJ, Eckel SF, Eng, RHK, Hiltz A, Kuyumjian AG, Krebs W, McDaniel A, Hogan P, and Lubowski TJ
Clinical Infectious Disease 2003;37:1643-1648
- Effects of Automated Dispensing on Inventory Control, Billing, Workload, and Potential for Medication Errors.**
Klibanov OM and Eckel SF: *American Journal of Health-System Pharmacy* 2003;60:569-572.

BOOK CHAPTERS

- Pharmacy and the US Healthcare System.** Michael Ira Smith, Albert Wertheimer, and Jack Fincham, Editors.
Chapter 15 – Patient Safety and Pharmacovigilance
Eckel SF, Jenkins AT, and Hansen K: 2013: Pharmaceutical Press; 297-315.
- The ACCP Field Guide to Becoming a Standout Pharmacy Residency Candidate.**
Jerry L. Bauman, Executive Editor; Keri A. Sims, Associate Editor
Step V: Gain Valuable Work Experience
Eckel SF: 2012: American College of Clinical Pharmacy; 75-88.
- Pharmacy Management, Leadership, Marketing, and Finance: 2nd Edition.** Marie A. Chisholm-Burns, Allison M. Vaillancourt, and Marv Shepherd, Editors
Chapter 1 – Management Essentials for Pharmacists.
Eckel SF, Marciniak MW, Mark SM, and Saenz R: 2012: Jones and Bartlett Learning; 3-22.
- Securing and Excelling in a Pharmacy Residency.** Michael A Crouch, Editor.
Chapter 13 – The Application Process
Eckel SF: 2011: Jones and Bartlett; 107-113.
- Introduction to Hospital and Health-System Pharmacy Practice.** David A Holdford and Thomas R Brown, Editors.
Chapter 7 – Medication Distribution Systems

Eckel SF and Eckel FM: 2010: American Society of Health System Pharmacists; 123-142.

Handbook of Institutional Pharmacy Practice:4th Edition. Thomas Brown, Editor.
Chapter 27 – Medication Distribution Systems

Eckel SF and Eckel FM: 2006: American Society of Health System Pharmacy; 383-392.

NON-PEER-REVIEWED PUBLICATIONS

A Health-System Perspective: The Evolution of the Pharmacist's Role

Mann JE and Eckel SF. *Directions in Pharmacy – Pharmacy Times*; December 2014.

Safe Management Strategies for Hazardous Drugs

Moody CA, Poppe LB, and Eckel SF. *Pharmacy Purchasing and Products*; January 2014: 12-19.

Allocating Clinical Pharmacists in the Ambulatory Care Setting

Granko RP, Holler JW, and Eckel SF. *Pharmacy Purchasing and Products*; September 2013: 38-40.

Evaluating Pharmacist Efficiency in the Outpatient Setting

Jenkins AT and Eckel SF. *Pharmacy Purchasing and Products*; September 2010: 36.

Making the Case for Wireless Smart Pumps

Eckel SF. *Pharmacy Purchasing and Products*; December 2009: 2-5.

Getting Started: What to do with all that knowledge?

Eckel SF: *Pharmacy Careers – supplement to Pharmacy Times*, January 2007, pg 4

USP Adopts New Resolutions at 2005 Convention.

Eckel SF: *North Carolina Pharmacist*, Summer 2005; 18.

The Baptist Health Care Journey to Excellence: Creating a Culture that WOWs!

Book Review

Eckel SF: *The Journal of Pharmacy Technology*, 2005; 21(July/August): 235

Preparing to Meet Joint Commission Patient Safety Goals: A Supplement to Preparing the Pharmacy for a Joint Commission Survey, 5th Edition. Book Review

Eckel SF: *The Journal of Pharmacy Technology*, 2005; 21(May/June): 179

'Smart' Pump Technology.

Eckel SF: *Pharmacy Times*; November, 2004: 84.

Pyxis Use at the University of North Carolina Hospitals.

Eckel SF: *Current Concepts in Hospital Pharmacy* 2004; 20(1): 18-20
(*Japanese journal*)

A Career in Hospital Pharmacy.

Eckel SF: *Pharmacy Careers – supplement to Pharmacy Times*, January 2003, pg 26

Coronary Artery Disease: Counseling the Geriatric Patient.

Howden KL and Eckel SF: *Pharmacy Times – Special Supplement*; 2000; 14-16

Treatment and Prevention of Ischemic Strokes.

Eckel SF: *Pharmacy Times* 66(Jul): 2000; 37-38, 40-41

Acute Management of Asthma and the Pharmacist's Role.

Eckel SF: *Pharmacy Times* 66(Feb): 2000

EDITORIALS AND BLOG ENTRIES

Lessons from the Ebola Crisis

Eckel SF: *Pharmacy Times – Health-System edition*, January 2015

ASHP Midyear: Why it's Worthwhile for Pharmacists

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, December 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/1214/ASHP-Midyear-Why-Its-Worthwhile-for-Pharmacists>

The Upside of High Drug Costs

Eckel SF: *Pharmacy Times – Health-System edition*, November 2014

USP: The Silent Sentinel

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, October 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/1014/USP-The-Silent-Sentinel>

Busyness – A Universal Feeling

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, September 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0914/BusynessA-Universal-Feeling>

The Future Health-System Pharmacy Department

Eckel SF: *Pharmacy Times – Health-System edition*, September 2014

Establishing Opportunities for Entrepreneurship in Pharmacy

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, August 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0814/Establishing-Opportunities-for-Entrepreneurship-in-Pharmacy>

Keeping Pharmacists from being Outsourced

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, July 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0714/Keeping-Pharmacists-from-Being-Outsourced>

The Bottom Line: The Patient as our Focus

Eckel SF: *Pharmacy Times – Health-System edition*, July 2014

Developing a Growth Mindset for Pharmacy

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, June 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0614/Developing-a-Growth-Mindset-for-Pharmacy>

Quality: A Foundation of Health-System Pharmacy

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, June 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0614/Quality-A-Foundation-of-Health-System-Pharmacy>

The Most Egalitarian of all Professions

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, May 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0514/The-Most-Egalitarian-of-All-Professions>

Population Health Management and Provider Status

Eckel SF: *Pharmacy Times – Health-System edition*, May 2014

The Importance of Work-Life Balance

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, April 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0314/The-Cost-of-Medical-Breakthroughs>

The Cost of Medical Breakthroughs

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, March 2014

<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0314/The-Cost-of-Medical-Breakthroughs>

The Value of a Pharmacy Education

Eckel SF: *Pharmacy Times – Health-System edition*, March 2014

Guiding Principles from a Review of Compounding Activities

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, February 2014
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0214/Guiding-Principles-for-a-Review-of-Compounding-Activities>

Learning from other Industries

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, January 2014
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0114/Learning-From-Other-Industries>

Resolutions for the New Year

Eckel SF: *Pharmacy Times – Health-System edition*, January 2014

Reflections on the ASHP Midyear

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, December 2013
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/1213/Reflections-on-the-ASHP-Midyear>

Protecting the Integrity of the Supply Chain

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, November 2013
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/1113/Protecting-the-Integrity-of-the-Supply-Chain>

Patients over Politics

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, October 2013
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/1013/Patients-Over-Politics>

The Unification of Pharmacy

Eckel SF: *Pharmacy Times – Health-System edition*, November 2013

Faith and Health

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, September 2013
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0913/Faith-and-Health>

The Future of 340B: It's all about Perspective

Eckel SF: *Pharmacy Times – Health-System edition*, September 2013

The Growth of Employee Wellness Programs

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, August 2013
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0813/The-Growth-of-Employee-Wellness-Programs>

REMS for Nonprescription Medications

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, July 2013
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0713/REMS-for-Nonprescription-Medications>

Credentialing Pharmacists

Eckel SF: *Pharmacy Times – Health-System edition*, July 2013

Servant Leadership as a Management Model

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, June 2013
<http://www.pharmacytimes.com/blogs/focus-on-current-thinking/0613/Servant-Leadership-as-a-Management-Model>

Lifelong Learning and Health-System Pharmacists

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, May 2013
<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-Lifelong-Learning-and-Health-System-Pharmacists>

The Generic Conundrum

Eckel SF: *Pharmacy Times – Health-System edition*, May 2013

Begin with the End in Mind

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, April 2013

<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-Begin-with-the-End-in-Mind>

Pharmacists and the Cost of Health Care

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, March 2013

<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-Pharmacists-and-the-Cost-of-Health-Care>

High Performers: Model Employees

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, March 2013

<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-High-Performers-The-Model-Employees>

Just one more Patient

Eckel SF: *Pharmacy Times – Health-System edition*, March 2013

Good to the Last Drop with CSTDs

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, January 2013

<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-Good-to-the-Last-Drop-With-CSTDs>

Low Performers can Cripple an Organization

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, January 2013

<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-Low-Performers-Can-Cripple-an-Organization>

We are the World

Eckel SF: *Pharmacy Times – Health-System edition*, January 2013

Women in Pharmacy

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, December 2012

<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-Women-in-Pharmacy>

Nurturing Pharmacy Innovators

Eckel SF: Focus on Current Thinking – *Pharmacy Times*, November 2012

<http://www.pharmacytimes.com/news/Focus-on-Current-Thinking-Nurturing-Pharmacy-Innovators>

Residency Programs – are they in your Future?

Eckel SF: *Pharmacy Times – Health-System edition*, November 2012

A Need for Innovators

Eckel SF: *Pharmacy Times – Health-System edition*, August 2012

Skin in the Game

Eckel SF: *Pharmacy Times – Health-System edition*, May 2012

The Growing Influence of Health-System Pharmacy

Eckel SF: *Pharmacy Times – Health-System edition*, January 2012

POSTER PRESENTATIONS

Achieving Standardized Infusions and Concentrations at Hospitals within North Carolina

Lucas AT, Rowe E, and Eckel SF.

Poster at ASHP Midyear Clinical Meeting, 2014

Experience with Drug Vial Optimization at an Academic Medical Center

Poppe LB, Savage SW, and Eckel SF

Poster at ASHP Summer Meeting, 2014

Global Assessment of Advancement of Hospital Pharmacy Practice According to FIP's Basel Statements: Pilot Study

Lyons K, Eckel S, Blalock S, Brock T, and Manasse H

Poster at ASHP Summer Meeting, 2014

Evaluation of the Quality of a Pharmacy Residency Assessment Program

Shah S, Hawes E, Mangun J, Rao K, Eckel S, and McLaughlin J
Poster at ASHP Summer Meeting, 2014

Achieving Standardized Infusions and Concentrations at Hospitals within North Carolina

Lucas AT and Eckel SF.
Poster at ASHP Midyear Clinical Meeting, 2013

Determining the Sensitivity of a Media-Fill Challenge Test as a Reliable Method for USP <797> recommended Aseptic Technique Competency Assessment

Moody CA, Redding RF, Eckel SF, and Poppe LB.
Poster at ASHP Midyear Clinical Meeting, 2013

Evaluating the Potential for Preventing Drug Vial Contamination when Utilizing a Closed Vial Adapter

Conley CS and Eckel SF
Poster at ASHP Midyear Clinical Meeting, 2013

Evaluation of Hazardous Drug Clean™ (HDClean™), a two-step towelette system, in removing surface contamination of hazardous drugs

Eckel SF, McAdoo WF, Sherwood CA, O'Neal SK, and Zamboni WC
Poster at FIP Annual Meeting, 2013

Analyzing methods for Improving Outpatient Chemotherapy Preparation Turnaround Time in a Cancer Hospital Infusion Pharmacy

Lamm M, Poppe L, Savage S, and Eckel SF
Poster at ASHP Summer Meeting, 2013

Evaluating the Impact of a Pharmacy Practice Model at an Academic Medical Center

Eckel SF, Granko RP, Savage S, Crisp B, Smith E, and Daniels R
Poster at FIP Centennial Meeting, 2012

Development of a Method for Allocation of Pharmacist Resources to Ambulatory Clinics

Holler J, Poppe L, Granko R, Savage S, and Eckel S.
Poster at ASHP Summer Meeting, 2011

Development of an automated tool to document clinic-based pharmacists' activities

Eckel SF, Poppe LB, White SF, Misita C, McKnight L, Yang S, and Willoughby I.
Poster at ACCP Annual Meeting, 2011

Assessment of Dosing Accuracy when Using Volumetric Technique in the Preparation of Chemotherapy

Poppe LB, Savage SW, and Eckel SF
Poster at ASHP Summer Meeting, 2011

Detecting Environmental Contamination from the Use of Docetaxel and Paclitaxel in Various Hospitals in the United States

Eckel SF, Hoang V, Tu HC, Hanna SK, Boswell-Vilt E, and Zamboni WC.
Poster at ASHP Midyear Clinical Meeting, 2010

Evaluating USP Chapter <797> Beyond Use Date Extension with Antineoplastics and Monoclonal Antibodies

Rowe EC, Savage SW, Rutala WA, Weber DJ, Gergen-Teague M, and Eckel SF.
Poster at ASHP Midyear Clinical Meeting, 2010

Evaluating Microbial Growth in Various Antineoplastics and Monoclonal Antibodies

Rowe EC, Savage SW, Rutala WA, Weber DJ, Gergen-Teague M, and Eckel SF.
Poster at ASHP Midyear Clinical Meeting, 2010

Analyzing Methods for Improved Management of Workflow in an Outpatient Pharmacy Setting

Jenkins A, McKnight L and Eckel S.

Poster at ASHP Summer Meeting, 2010

Economic Impact of Hazardous Drug Preparation and Beyond Use Extension

Rowe EC, Savage SW, and Eckel SF

Poster at HOPA Annual Meeting, 2010

Implementing a condensed continuing professional development (CPD) training program as a tool for lifelong learning among hospital pharmacists

Jones R, Tofade T, Foushee L, Eckel S, and Caiola S.

Poster at ASHP Midyear Clinical Meeting, 2009

Evaluation of Training Programs to Develop Pharmacy Preceptors

Rowe E, and Eckel S.

Poster at ASHP Midyear Clinical Meeting, 2009

Requirements of Pharmacy Residency Teaching Certificate Programs

Rusinko K, Stegall Zanation J, and Eckel SF.

Poster at ASHP Midyear Clinical Meeting, 2009

Detection of Contaminants from the Use of Docetaxel and Paclitaxel Chemotherapy in the Work Environment via ChemoGLO™

Hoang V, Eckel SF, Tu1 HC, Hanna1 SK, and Zamboni WC

Poster at ASHP Midyear Clinical Meeting, 2009

Teaching Opportunities within Pharmacy Residency Training Programs

Rusinko K, Stegall Zanation J, and Eckel SF.

Poster at ASHP Midyear Clinical Meeting, 2008

Implications of Medicare Part D on Patients Enrolled in the Prescription Benefits Plan at a Large Academic Medical Center's Outpatient Pharmacies.

Brennan LF, Eckel SF, Gresham C, and Roth MT.

Poster at ASHP Midyear Clinical Meeting, 2007

Determining Medication Reconciliation Adverse Drug Events for Discharged Patients at an Academic Medical Center.

McAllister J, McAllister J, Duda D, Hansen R, and Eckel S.

Poster at ASHP Midyear Clinical Meeting, 2005

Description of the North Carolina (NC) Residents Leadership Conference.

Eckel FM, Eckel SF, May DB, Worden JP, Beardsley JR, Kearney SE, Fritsch MA, Ferreri SP, and Gouveia-Pisano JA.

Poster at ASHP Midyear Clinical Meeting, 2003

Integration of Bar Code Technology into an Automated Medication Distribution System at a University Teaching Hospital.

Cooper JB, Faulkner CM, and Eckel SF

Poster at ASHP Midyear Clinical Meeting, 2003

Revised TPN Ordering Format Decreases Error Rates in the NICU.

Smith P, Bozik K, Stegall J, Forshay E, Farrington E, and Eckel S.

Poster at PPAG Annual Meeting, 2003

Re-engineering IV Admixture Services for Pediatric Patients.

Eckel SF

Poster at ASHP Midyear Clinical Meeting, 2002

Description of the North Carolina (NC) Residents Leadership Conference.

Eckel FM, Eckel SF, May DB, Worden JP, Beardsley JR, Kearney SE, Fritsch MA, Ferreri SP, and Gouveia-Pisano JA.

Poster at ASHP National Residency Preceptor's Conference, 2002

A Multicenter Study of the Association between Quinolone (Q) Susceptibility and Quinolone Density Rate (QDR) using Baseline to Endpoint (BE) and Trend-Line Analysis (TL).

Zervos MJ, Hershberger E, Nicolau DP, Ritchie D, Blackner L, Coyle EA, Donnelly AJ, Eckel SF, Eng, RHK, Hiltz A, Kuyumjian AG, McDaniel A, Hogan P, and Lubowski TJ

Poster at Infectious Diseases Society of America Meeting, 2002

Impact of Fluoroquinolone Usage on Pathogen Susceptibility: A 10-Year, Multicenter Evaluation.

Zervos MJ, Hershberger E, Nicolau DP, Ritchie D, Blackner L, Coyle EA, Donnelly AJ, Eckel SF, Eng, RHK, Hiltz A, Kutumjian AG, McDaniel A, Hogan P, and Lubowski TJ

Poster at American Society of Microbiology, 2002

An Evaluation of the Use of the Override Feature on Automated Dispensing Machines in an Academic Medical Center.

Jennings DN and Eckel SF

ASHP Midyear Clinical Meeting Poster Session and UHC Pharmacy Council Poster Session, 2001

Evaluation of Automated Dispensing Technology: Effects on Inventory Control and Potential for Medication Errors.

Twombly RG and Eckel SF

ASHP Midyear Clinical Meeting Poster Session and UHC Pharmacy Council Poster Session, 2001

Does Cisapride Prolong QTc Interval? An Investigation and an Evaluation of a Potential Adverse Drug Reaction.

Eckel SF and Rudd C

SCCM Critical Care Congress Poster Session, 1999

An Evaluation of Prophylactic Therapy for Glucocorticoid Induced Osteoporosis

NCSHP Winter Meeting Poster Session, 1998

Determining Causes for Unclaimed Prescriptions in an Outpatient Pharmacy.

Eckel SF:

ASHP Midyear Clinical Meeting Poster Session, 1993

PROFESSIONAL PRESENTATIONS – INTERNATIONAL

Pharmacists taking responsibility for the medication use process – case example from University of North Carolina Medical Center

National Course on Personalized Medicine and its Clinical Practice at First Affiliated Hospital of Soochow University – Suzhou, China; November 2014

Global assessment of the advancement of hospital pharmacy practice according to the International Pharmaceutical Federation (FIP) Basel Statements: Pilot study

International Pharmaceutical Federation (FIP) World Congress – Bangkok, Thailand; September 2014

Innovation and Entrepreneurship Training Program

International Pharmacy Student Federation (IPSF) World Congress – Porto, Portugal; August 2014

From Personal Development to Professional Progress

International Pharmacy Student Federation (IPSF) World Congress – Porto, Portugal; August 2014

Essentials of Clinical Pharmacy Certificate Training Program

Hospital Pharmacy Association of Kenya (HOPAK) – Nairobi, Kenya; July 2014

Using hierarchy of controls in safe handling to provide protection and savings

Japanese Society of Oncology Pharmacy Practice – Tokyo, Japan; May 2014

Using hierarchy of controls in safe handling to provide protection and savings

Kameda Hospital – Kamogawa City, Japan; May 2014

Safe Handling of Hazardous Drugs

Fourth Regional Congress of Cancer and Blood Disorders of Childhood: Jordan Society of Pediatric Oncology Pharmacy Day – Amman, Jordan; November 2012

Best Pharmacy Practice Models to Improve the Quality of Patient Care: The UNC Experience

Fourth Regional Congress of Cancer and Blood Disorders of Childhood: Jordan Society of Pediatric Oncology Pharmacy Day – Amman, Jordan; November 2012

Overview to USP <797>

National Oncology Pharmacy Symposium – Saskatoon, Saskatchewan, Canada; October 2012

Pharmacists at the Bedside: Providing Major Patient Impact

FIP Centennial Congress – Amsterdam, The Netherlands; October 2012

Reducing the Economic Impact of Hazardous Drug Preparation and Beyond Use Date Extension

National Oncology Pharmacy Symposium – Winnipeg, Manitoba, Canada; October 2010

Using Microbiological Data to Prevent Anti-infective Resistance in ICU Patients

FIP World Congress – Lisbon, Portugal; August 2010

Skills and Resources Needed to Support CPD: What do we really need and what Works?

FIP World Congress – Lisbon, Portugal; August 2010

Training our Future Pharmacists: Overview to Residency Programs and Precepting

Hokkaido Pharmaceutical University – Sapporo, Japan; March 2010

Precepting International Pharmacy Students: The Benefits To Your Organization

Conference on Clinical Rotation Experience Program at Universities in the USA Keio University Faculty of Pharmacy – Tokyo, Japan; March 2010

Best Practices for Safe Handling of Hazardous Medications in the Pharmacy

National Oncology Pharmacy Symposium – Ottawa, Ontario, Canada; October 2009

Current Issues in Continuing Professional Development: What Are The ‘Best’ Sources of CPD?

FIP World Congress – Istanbul, Turkey; August 2009

Past, Present, and Future of Hospital Pharmacy

Pharmaceutical Society of Singapore – Singapore; August 2009

Practice Model Challenges – UNC Hospitals Model

National University of Singapore – Singapore; August 2009

UNC Hospitals Provision of Pharmacy Services

Tokushima University – Tokushima, Japan; January 2009

Overview to Rheumatoid Arthritis

Kitasato University – Tokyo, Japan; January 2009

Tokushima University – Tokushima, Japan; January 2009

The Benefits to Having International Students at your Practice Site

International Conference on Clinical Pharmacy Education: Kyoritsu University of Pharmacy – Tokyo, Japan; June 2006

Expanding the Pharmacist’s Role in Ambulatory Care

University of London School of Pharmacy – London, England; November 2005

Expanding the Pharmacist’s Role in Ambulatory Care

Security Forces Hospital Annual Seminar: A New Era in Pharmacy Practice – Riyadh, Saudi Arabia; November 2005

How to Precept Pharmacy Students

Kyoritsu College of Pharmacy – Tokyo, Japan; April 2005

Overview to Pyxis• Technology

Kyoritsu College of Pharmacy – Tokyo, Japan; October 2003

Applying Best Practices to the safe handling of hazardous drugs: *Evolving Regulations & Practical Implementation*

Pharmacy Times National Webinar; April 2014

Opportunities associated with Drug Vial Optimization

Kaiser Permanente Pharmacy Leadership – Downey, CA; February 2014

New and Emerging Strategies for Minimizing Errors in I.V. Preparation: Focus on Safety and Workflow Efficiency

ASHP Midyear Clinical Meeting – Orlando, FL; December 2013

The Layered Learning Practice Model – Utilizing Learners to Expand Patient Care Service

ASHP Midyear Clinical Meeting – Orlando, FL; December 2013

I.V. Preparation Procedures: Evaluating Processes for Improving Quality and Safety

BD National Sales Meeting – Phoenix, AZ; November 2013

Drug Vial Optimization: Past, Present, and Future – Optimism or Pessimism?

BD National Sales Meeting – Phoenix, AZ; November 2013

Overview to Safe Handling

CareFusion National Sales Training Meeting – Philadelphia, PA; August 2013

Pharmacology for Prescribers: Hot Drugs for Nurse Practitioners

AAOHN National Conference – Las Vegas, NV; April 2013

Fifty Residents and Almost Just As Many Students -- Can Your Hospital Handle It?

ACCP Annual Meeting – Hollywood, FL; October 2012

Development, Implementation, and Impact of a Comprehensive, Medical Service-Based Pharmacy Practice Model

UHC Annual Conference – Orlando, FL; September 2012

A Different Take on Medication Safety: Protecting the Employee from Hazardous Medications

MedAssets Clinical Pharmacy NorthEast Regional Meeting – New York, NY; June 2012

Advanced Degrees Webinar

ASHP New Practitioners Leadership and Career Development Advisory Group – December 2011

Safe Handling – a Thought Leader's Perspective

Becton Dickinson Medical Surgical Systems Quarterly Meeting – Franklin Lakes, NJ; October 2011

Do Drugs Cost Too Much?

CPFI Annual Meeting – Myrtle Beach, SC; June 2011

Smart Pumps – are they Infusing the Answers to our Problems?

MedAssets Southeast Regional Meeting – Alpharetta, GA; May 2011

Reducing the Impact of Hazardous Drug Preparation and Beyond Use Date Extension

Diablo Society of Health-System Pharmacists – Walnut Creek, CA; May 2011

Safe Handling of Hazardous Medications – Pharmacist's Perspective

Safe Handling Awareness Day Keynote Presentation – Houston, TX; April 2011
(broadcast to a national audience)

Optimize Workflow for Certified Pharmacy Technicians by Enhancing Activities by Pharmacists

APhA Annual Meeting – Seattle, WA; March 2011

Reducing the Economic Impact of Hazardous Drug Preparation and Beyond Use Date Extension

ASHP Midyear Clinical Meeting – Anaheim, CA; December 2010
California Society of Health-System Pharmacy Seminar 2010 – San Francisco,

CA; October 2010

Virginia Society of Hospital Pharmacy – Washington, DC; July 2010

ASHP Summer Meeting – Tampa, FL; June 2010

Residency Prep 101: *What to do While You Are Still in School*

ACCP Webinar on Residency Preparation – Chapel Hill, NC; December 2009

Defining the Leadership and Management of the Clinical Manager

ACCP Annual Meeting – Anaheim, CA; October 2009

Continuing Professional Development

Workshop to faculty members at Auburn University – Auburn, AL; May 2009

Best Practices for Safe Handling of Hazardous Medications in the Pharmacy

Diablo Chapter, California Society of Health Systems Pharmacists – San Francisco, CA; April 2009

Quad City Chapter of Hospital Pharmacy – New York, NY; April 2009

Virginia Society of Hospital Pharmacy – Washington, DC; January 2009

ASHP Midyear Clinical Meeting – Orlando, FL; December 2008

Hot Topics in Practice Management: Targeted Selection

ACCP Spring Practice and Research Forum – Phoenix, AZ; April 2008

Defining the Leadership and Management of the Clinical Manager

ACCP Spring Practice and Research Forum – Memphis, TN; April 2007

Overview to Emergency Contraception

CPFI Annual Meeting – Myrtle Beach, SC; June 2006

Contemporary Issues in Pharmacy Practice

CPFI Annual Meeting – Myrtle Beach, SC; June 2006

The Future of Pharmacy – Student Roundtable: Pharmacy Times

APhA Annual Meeting – San Francisco, CA; March 2006

ASHP Midyear Clinical Meeting – Las Vegas, NV; December 2005

Careers in Academia – Pharmacy Times Roundtable

APhA Annual Meeting – San Francisco, CA; March 2006

Trends in Hospital Pharmacy

CPFI Annual Meeting – Myrtle Beach, SC; June 2005

Intelligent Pumps and Patient Safety: The UNC Experience

UHC Pharmacy Council Meeting – Orlando, FL; December 2004

Utilizing Decision-Support Infusion Technology to Help Improve Medication Safety

ASHP Summer Meeting – Las Vegas, NV; June 2004

Improving Patient Safety through Decision-Support Infusion Technology

AACN National Teaching Institute and Critical Care Exposition – Orlando, FL; May 2004

Improving Medication Safety through the Use of Innovative Infusion Pump Technology

AACN National Teaching Institute and Critical Care Exposition – Orlando, FL; May 2004

Pharmacist Competencies for Improving Medication Use

Roche Skills Development Program – Bristol, VA; April 2004

Effective Health Care Improvement Teams

Roche Skills Development Program – Neptune, NJ; April 2004

Medication Error Prevention in Pediatrics

APhA Annual Meeting – Seattle, WA; March 2004

Decision-Support Infusion Technology and Patient Safety: The UNC Experience

ASHP Midyear Clinical Meeting – New Orleans, LA; December 2003

Planning for Safer Medication Use

Roche Skills Development Program – Tallahassee, FL; October 2003

Roche Skills Development Program – Columbia, SC; September 2003

Preventing Medication Errors in Pediatrics

APhA Annual Meeting – New Orleans, LA; March 2003

Applying Evidence-Based Principles to Pharmacy Automation

CPFI Annual Meeting – Myrtle Beach, SC; June 2003

JCAHO Standards and Medication Use

Roche Skills Development Program – Coral Gables, FL; May 2003

Roche Skills Development Program – Roanoke, VA; November 2002

Implementing Guideline Initiatives

Roche Skills Development Program – Bridgeport, WV; February 2003

Roche Skills Development Program – Freeport, ME; September 2002

The University of North Carolina Experience - Mentoring Pharmacy Residents from Students Onward

ASHP National Residency Preceptor's Conference – San Diego, CA; August 2002

Selecting, Implementing, and Optimizing Automated Dispensing Technology

ASHP Midyear Clinical Meeting Exhibitor's Theatre – New Orleans, LA; December 2001

Thinning with the Thinner

ASHP Midyear Clinical Meeting Pearl Presentation – Atlanta, GA; December 1997

PROFESSIONAL PRESENTATIONS – STATE

Drug Vial Optimization: Past, Present, and Future

Carolina Healthcare System Pharmacy Leadership – Charlotte, NC; December 2013

New Drug Update

NCAP Annual Convention – Raleigh, NC; October 2013

Pharmacy Practice Model Initiative

NCAP Student Leadership Conference – Pinehurst, NC; September 2013

Practice Model Opportunities for Hospitals in North Carolina: The PPMI Survey

NCAP Annual Convention – Raleigh Convention Center; October 2012

Layered Learning Practice Model: A method to care for patients and educate future pharmacists

Duke University Health System Pharmacy Department Preceptor Development Seminar – April 2012

What do Certifications / Credentials mean for New Practitioners?

NCAP Annual Convention – Research Triangle Park, NC; October 2010

New Drug Update

NCAP Annual Convention – Research Triangle Park, NC; October 2009

New Drugs (local AHEC presentations)

Greenville, NC; April 2014

Fayetteville, NC; December 2013

Hickory, NC; April 2013

Durham, NC; March 2013

Laurinburg, NC; September 2012, September 2013

Asheville, NC; December 2010, December 2011, May 2012, December 2012, December 2013, December 2014

Boone, NC; November 2009

Winston-Salem, NC; November 2009; February 2014

New Bern, NC; December 2007, December 2008, February 2011, January 2012

Rocky Mount, NC; December 2007, December 2008, December 2009; December 2010, February 2012, December 2013, December 2014

Raleigh, NC; May 2007, October 2007, May 2008, October 2008, May 2009,

October, 2009, April 2012, November 2012, March 2013, December 2013, June 2014

Wilmington, NC; September 2007, September 2008, April 2009, September 2012, August 2013

Greensboro, NC; April 2007

Elizabeth City, NC; February 2007, October 2009

Charlotte, NC; February 2007

New Drug Controversies in Acute Care

NCAP Annual Convention – Research Triangle Park, NC; October 2005

The Institute for Healthcare Improvement – 100,000 Lives Saved Campaign

NCAP Annual Convention – Research Triangle Park, NC; October 2005

Implementing a Research Project

NCAP Annual Statewide Resident's Conference – Chapel Hill, NC; July 2004

NCAP Annual Statewide Resident's Conference – Chapel Hill, NC; July 2003

NCAP Annual Statewide Resident's Conference – Burlington, NC; July 2002

Intelligent Pump Technology

NCAP Acute Care Practice Forum – Greensboro, NC; April 2004

Patient Care Teams: Improving Outcomes Through Collaboration

Roche Skills Development Program – Chapel Hill, NC; April 2004

Update in North Carolina Pharmacy Practice – Acute Care

NCAP Annual Convention – Raleigh, NC; October 2003

Preventing Medication Errors in Pediatrics

University of North Carolina Hospitals – Chapel Hill, NC; July 2003

Automated Dispensing Systems: Pyxis, etc.

NCAP Annual Convention / Carolina Seminar – Greensboro, NC; October 2002

Update on the Pharmacotherapy of Cardiopulmonary Arrest

University of North Carolina Hospitals - Chapel Hill, NC; November 2000

North Carolina Association of Pharmacists – Greensboro, NC; October 2000

Mycophenolate Mofetil: The Value of Serum Monitoring

Duke University Medical Center – Durham, NC; June 1998

Treatment of Disseminated Mycobacterium Avium Complex: Evaluating the Recommendations of the Sanford Guide to Antimicrobial Therapy

Duke University Medical Center - Durham, NC; May 1998

New Guidelines for the Treatment of Hypertension: The JNC VI Recommendations. Keeping Blood Pressure Under Control!

Duke University Medical Center – Durham, NC; March 1998

Antileukotriene Therapy in the Treatment of Asthma

Duke University Medical Center House Staff – Durham, NC; February 1998

Duke University Medical Center – Durham, NC; October 1997

Thinning with the Thinner

UNC School of Pharmacy – Chapel Hill, NC; April 1997

Use of IVIG in the Adult Treatment of Myocarditis and Idiopathic Dilated Cardiomyopathy

Duke University Medical Center – Durham, NC; September 1997

New Frontiers in HIV Therapy: Are We on the Brink?

UNC School of Pharmacy – Chapel Hill, NC; November 1996

The Role of Protease Inhibitors in HIV Infection

New Hanover Regional Medical Center – Wilmington, NC; October 1996

Chemotherapy-Induced Nausea and Vomiting

UNC Hospitals – Chapel Hill, NC; September 1996

Use of Positive Inotropes in the Pediatric Population

Carolinas Medical Center – Charlotte, NC; May 1996

The Role of Antiarrhythmics in Pediatrics

Carolinas Medical Center – Charlotte, NC; May 1996
Riluzole and the Treatment of Amyotrophic Lateral Sclerosis
UNC School of Pharmacy – Chapel Hill, NC; February 1996
The Role of Cytochrome P450 3A4 in Altering Cyclosporine Dosing
UNC School of Pharmacy – Chapel Hill, NC; October 1995

PROFESSIONAL ACTIVITIES

American College of Clinical Pharmacy – Member

Member, Certification Affairs Committee, 2012 – 2013
Vice Chair, Task Force on Acute Care, 2009 – 2010
Member, Certification Affairs Committee, 2008 – 2009
Member, Organizational Affairs Committee, 2007 – 2008
Member, Clinical Practice Affairs Committee, 2006 – 2007
Member, Task Force on Clinical Practice Management, 2005 – 2006

American Pharmacists Association – Member

Member, House of Delegates (representing NCAP), 2003 - 2008, 2010, 2013 – Present
Chapter Adviser, Academy of Students of Pharmacy, 2004 – 2008
Member, Policy Review Committee, 2006
Chair, Policy Review Committee, 2007

American Society of Health-System Pharmacists – Member

Section of Pharmacy Practice Managers Education Steering Committee
Member, 2013 – 2015
Section of Pharmacy Practice Managers Advisory Group on the Pharmacy Practice Model Initiative
Chair, 2011 – 2013
Vice Chair, 2011
Invited representative for the Pharmacy Practice Model Initiative – 2010
Council on Pharmacy Practice
Chair, 2009 – 2010
Vice Chair, 2008 – 2009
Member, 2006 – 2008
Section of Pharmacy Practice Manager's Programming Committee
Member, 2007 – 2009
Member, House of Delegates (representing NCAP), 2006 – Present
Council on Educational Affairs
Student Member, 1995 – 1996

North Carolina Association of Pharmacists – Member

President Elect – 2015
Education Steering Committee, 2010 – Present
Board Member, 2005 – 2008
Chair, Acute Care Practice Forum, 2004
Chair-elect, Acute Care Practice Forum, 2003
Professional Relations Council, 1999 – 2002
Chair of the committee, 2000 – 2002
Ambulatory Care Practice Forum, 1999 – 2000
Pharmacotherapy Advisory Committee, 1999 – 2002
Public and Professional Relations Committee Member, 1994 – 1995
Executive Committee Ex Officio Member, 1993 – 1994

International Pharmaceutical Federation (FIP) – Member

Hospital Pharmacy Section Research Committee: World Hospital Pharmacy Research Committee, 2013 – Present

Christian Pharmacists Fellowship International

Board Member, 2007 – 2010

Med Assets

Clinical Pharmacists Committee, 2007 – 2012

Pharmacy Times

Editor, Pharmacy Times, Health-System Edition, January 2012 – Present

Circulation of Print Journal to over 33,000 pharmacists

100 pages of editorial content directed annually

Focus on Current Thinking (blog) goes to 24,000 individuals

Editorial Board Member, 2006 – Present

Pharmacy Purchasing and Products

Editorial Board Member, 2004 – Present

Hospira, Inc.

Visiting Pharmacist Program, 2005

Abbott Laboratories

Visiting Pharmacist Program, 2003

University Health Systems Consortium

Strategic Initiatives & Programming Committee, 2013 – Present

Research and Education Committee, 2000 – 2007

United States Pharmacopeia

NCAP Representative, 2000 – Present

Medication Error Data Analysis Ad hoc Advisory Panel, 2007 – 2009

Nominating Committee for the 2015-2020 Council of Experts, 2014 – 2015

Phi Lambda Sigma – University of North Carolina at Chapel Hill

President, 1994

Academy of Students of Pharmacy – University of North Carolina at Chapel Hill

President, 1993 – 1994

INNOVATION AND ENTREPRENEURSHIP

Developed a Device to Improve Accuracy and Precision in Measuring Liquids

Filed a provisional patent application (application number 61/988,972)

Co-Founder of ChemoGLO™, INC – most widely used hazardous drug surface contamination detection kit in the United States

Developed and Launched HDClean™ – only laboratory tested cleaning system proven to remove hazardous drug surface contamination

Filed a provisional patent application on HDClean™ (application number 61/788,426)

www.chemoglo.com/

Founder and Developer of UNC Pharmacy Grand Rounds – subscription-based service provides a series of video webcasts designed specifically to meet the continuing education needs of pharmacists in health systems. These webcasts will provide current continuing education from practicing clinicians and pharmacy administrators through one hour, ACPE-accredited presentations given once a month.

www.uncgrandrounds.org

SPECIAL RECOGNITIONS

Solicited to be a **guest reviewer** for *Journal of Pharmacy Practice and Research* on

smart pumps (journal for the Society of Hospital Pharmacists of Australia) –
2011 and 2013

Smart Infusion Pumps: Implementation, Management, and Drug Libraries. Pamela
K. Phelps, Editor.

Invited to write the foreword for the book.

Eckel SF: 2011: American Society of Health System Pharmacists.

**Practicing Pharmaceutical Care in the Community Setting: Motivating your
Patients to take an Active Role in their Well-Being.**

Searle Fellowship in Pharmacy Research Paper, 1996 (Third Place)

**Comparison of Noninvasive Methodology for Quantitation of Debrisoquin
Hydroxylase Genetic Polymorphic Drug Metabolism.**

Clinical Research Honors Project, 1993 – 1995

INSTITUTIONAL COMMITTEES

UNC Eshelman School of Pharmacy HelpRx Committee
Chair, 2013 – Present

UNC Eshelman School of Pharmacy Honors Committee
Member, 2013 – Present

UNC Eshelman School of Pharmacy MS Program Steering Committee
Co-chair, 2013 – Present

UNC Eshelman School of Pharmacy Curriculum Transformation Steering Committee
Member, 2012 – 2013

UNC Eshelman School of Pharmacy / UNC Hospitals Partnership in Patient Care
Steering Committee Co-chair, 2011 – 2012

UNC Eshelman School of Pharmacy Singapore Planning Team
Co-chair, 2010 – 2011

UNC Eshelman School of Pharmacy Graduate Education Committee
Member, 2007 – Present

UNC Eshelman School of Pharmacy Committee for Internationalization
Member, 2007 – 2011

Program Development Ad Hoc
Committee
Co-chair, 2007 – 2008

Student Resident Advisory Committee
Chair: 2006 – Present

UNC Hospitals Pharmacy Clinical Management Committee, Chair, 2005 – 2010

UNC Eshelman School of Pharmacy Curriculum Committee, 1995 – 1997, 2000 – 2007

UNC Eshelman School of Pharmacy Criminal Background Check Committee
Member, 2005 – 2008

UNC Hospitals Medication Use Safety Committee, 1999 – 2000, 2002 – 2004

UNC Hospitals Pharmacy Nursing Committee, 2000 – 2002

Pharmacy Technician Advisory Committee, 1999 – 2002

Durham Technical Community College; Durham, North Carolina

Residency Accreditation Committee, 1999 – 2006

University of North Carolina; Chapel Hill, North Carolina

Antibiotic Decision Support Team: Subcommittee of P&T Committee, 1997 – 1998

Duke University Medical Center; Durham, North Carolina

Residency Advisory Committee, 1997 – 1998

Duke University Medical Center; Durham, North Carolina

Residency Accreditation Committee, 1997

Duke University Medical Center; Durham, North Carolina

HONORS AND AWARDS

- Winner, ASHP Best Practices Award – 2014
Advancing Pharmacy Practice Through an Innovative Ambulatory Care Transitions Program.
Jamie Jurkiewicz Cavanaugh, Emily M. Hawes; Nicole R. Pinelli; Stephen Eckel, Michael Pignone, Mark Gwynne, and Rowell Daniels
- Next Generation Pharmacist: Finalist for Technology Innovator Category – 2014
- Winner, ASHP Best Practices Award – 2013
Advancing into Uncharted Territory: Impact of an Innovative Factor Stewardship Program on Drug Expense, Patient Care, and a Pharmacist's Role.
Lindsey B. Poppe, Sheh-Li Chen, Rowell Daniels, Nigel Key, Stephen F. Eckel, and Scott W. Savage
- Silver Award, Baxter Leadership Excellence Awards in Pharmacy (LEAP) – 2013
Using Lean Principles to Improve Adult Outpatient Chemotherapy Preparation Turnaround Time in a Large Cancer Hospital Infusion Pharmacy.
Matt Lamm, Lindsey Poppe, and Stephen F. Eckel
- Winner, Excellence in Innovation Award – 2013
North Carolina Association of Pharmacists
- Fellow, American College of Clinical Pharmacy – 2013
- Winner, 2012 recipient of the American Pharmacists Association Academy of Pharmacy Practice and Management (APhA-APPM) Distinguished Achievement Award in Hospital and Institutional Practice
- Winner, ASHP Best Practices Award – 2011
Development, implementation, and impact of a comprehensive, medical service based pharmacy practice model that maximizes pharmacist involvement in the patient care setting. Stephen F. Eckel, Robert P. Granko, Scott Savage, Brett Crisp, Edwin Smith, and Rowell Daniels
- Fellow, American Society of Health-System Pharmacy – 2010
- Fellow, American Pharmacists Association – 2010
- Reviewer
Journal of Oncology Pharmacy Practice: 2011 – present
American Journal of Health-System Pharmacy: 2005 – present
Journal of American Pharmacists Association
American Journal of Pharmacy Education
Currents in Pharmacy Teaching and Learning
Hospital Pharmacist
- North Carolina's Distinguished Young Pharmacist – 2005
- ASHP Leading Edge Participant – 2002
- The Searle Fellowships in Pharmacy: Third Place – 1996
Practicing Pharmaceutical Care in the Community Setting: Motivating your Patients to take an Active Role in their Well-Being.
- ASHP Student Research Award – 1995
Comparison of Noninvasive Methodology for Quantitation of Debrisoquin Hydroxylase Genetic Polymorphic Drug Metabolism.
Clinical Research Honors Project, 1993 – 1995
- Eli Lilly Achievement Award – 1995
- APhA Academy of Students of Pharmacy Award – 1995
- Mylan Pharmaceuticals Division of Pharmacy Practice Award – 1995
- Fonnie Jackson Andrews Award – 1994
- McKesson Leadership Award – 1994
- Rho Chi Induction – 1994

Stephen F. Eckel

Page 24

Phi Lambda Sigma Induction – 1993

Indian Health Service Pharmacy COSTEP Internship – 1993