

Christy McKenzie, Pharm.D., R.Ph.

Contact Information

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Current Position

1/2016 – Present Emergency Medicine Clinical Pharmacy Specialist

- Establish ED Clinical Pharmacy Services
- Establish Trauma Care Services
- Committee participation
 - Resuscitation
 - Resuscitation QA
 - Critical Care Executive Council
 - ED Clinical Effectiveness Team (CET) Prep
 - ED CET
 - ED Order Set Revision
 - ED Quality Improvement
 - Emergency Management Subcommittee
 - Trauma Steering
 - System Formulary Review Subcommittee

Education

2008 – 2012 Northeast Ohio Medical University (NEOMED), Rootstown, OH
Pharm.D., Class of 2012

- Top 25% of Class

2002 – 2006 University of Akron, Akron, OH
B.S. in Biology with a Chemistry Minor

Licensure and Certification

Expiration 4/30/2017 Pharmacist, NJ License Number: 28RI03569800 Issue date: 8/1/2013

Expiration 9/15/2016 Pharmacist, OH License Number: R.PH.03131982-01 Issue date: 06/27/2012

Expiration 6/2016 American Heart Association, Advanced Cardiac Life Support for Experienced Providers

Expiration 6/2016 American Heart Association, Basic Life Support

Achieved 2012 APhA Delivering Medication Therapy Management Services

Achieved 2011 National Institute of Health, Protecting Human Rights Research Certification

Academic and Professional Experience

8/2015- 12/2015

Evening Float Pharmacist

- Emergency Department
 - Adult
 - Non-urgent, Urgent, Emergent, Trauma
 - Pediatrics
- Pediatrics
 - NICU
 - PICU
 - Children's Heme/Onc
 - Adolescents
 - General Floors
- ICU
 - Surgical ICU East (cardiac)
 - Surgical ICU West (general surgery)
 - Surgical ICU Core (neurology)
 - 2 Core (cardiac floors including cluster)
 - French Street (ortho step down)
 - Operating Room
 - Open Heart Recovery
 - OR Codes
 - Medical ICU
 - CCU
- Main Pharmacy
 - L&D including the nursery
 - Emergency Medical Admit
 - Respiratory Care
 - Transitional Care
- Towers
 - Floors 4 – 9 (general floors)
 - Peritoneal Dialysis + CVVHD
- Oncology
 - Hazardous Drugs
 - Same Day Chemo

7/1/2013 – 6/28/2014

PGY-2 Emergency Medicine Pharmacy Resident

Rutgers, The State University of New Jersey; Piscataway, NJ

Residency Program Director: Craig Cocchio, Pharm.D., BCPS

PGY-2 Emergency Medicine Rotations

7/2013	Orientation
8/2013-10/2013	Emergency Medicine 1
11/2013	JFK Medical Center – Community ED
12/2013	Research/Midyear
1/2013	Surgical Intensive Care Unit
2/2013	Pediatric Intensive Care Unit
3/2013	Emergency Medicine 2
4/2013	Toxicology

5/2013-6/2013 Emergency Medicine 3

Longitudinal NYC Poison Control Consultants' Conference
Pharmacy and Therapeutics Committee

6/27/2012 – 6/30/2013 **PGY-1 Pharmacy Practice Resident**

Akron General Medical Center; Akron, OH

Residency Program Director: Kathleen Donley, R.Ph., MBA

PGY-1 Pharmacy Practice Rotations

7/2012 Orientation/Practice Management

8/2012 Infectious Disease

9/2012 Family Medicine

10/2012 Internal Medicine (Gen Med 1)

11/2012 Surgical Intensive Care Unit

12/2012 Research Month/Midyear

1/2013 Pain Management

2/2013 Internal Medicine (Gen Med 2)

3/2013 Oncology

4/2013 Practice Management/Great Lakes

5/2013 Pediatrics (Akron Children's Hospital)

6/2013 Emergency Department

Longitudinal Internal Medicine Center of Akron -Ambulatory Care Clinic
Medication Safety
Drug Information/Drug Policy
Cardiac and Pulmonary Rehab patient education classes
Pharmacy and Therapeutics Committee

2013-2014

Post Doctorate Associate, Adjunct Faculty

Ernest Mario School of Pharmacy

Rutgers, The State University of New Jersey; Piscataway, NJ

Dean Joseph Barone, Pharm.D., FCCP

Modules: Toxicology

4/2012 – 6/30/2013

Disaster Medical Assistance Team (DMAT), OH-6; Northeast Ohio Region; Volunteer

2012 – 2013

Clinical Instructor of Pharmacy Practice

NEOMED, Rootstown, OH

Teaching Certificate Program

Modules: GI, Toxicology, Pediatrics

7/6/2010 – 6/10/2012

Inpatient Pharmacy Intern

Veterans Affairs Medical Center (VAMC) – Louis Stokes; Cleveland, OH

Supervisor: Diana Walick, Pharm.D., BCPS

9/2006 – 7/2/2010

EnvisionRxOptions; Twinsburg, Ohio

Supervisor: Michele Truman Jones, Pharm.D.

- Clinical Pharmacist Intern June 2009 – July 2010
- Account Manager December 2007 – May 2008
- Assistant Account Manager August 2007 – November 2007

- Assistant Technical Writer May 2007 – July 2007
- Customer Service Representative Sept 2006 – April 2007

7/2009 – 8/2009

Volunteer Pharmacy Intern

Marina Del Rey Hospital, Marina Del Rey, CA
 Supervisor: Kim Botwin, Directory of Pharmacy

Teaching Activities

Rutgers, The State University of New Jersey 7/2013 – 6/2014

NEOMED 7/2012 – 6/2013

Lecturer

Toxicology Module

Toxicity of Anticonvulsants

- 3/2014
- Environmental Toxins, P3
 Emergency Preparedness, P3

- 3/2013

Pediatric Module

Pediatric Vaccination Schedule, P3

- 1/2013

GI Module

Drug Induced Liver Injury

- 11/2012

Parenterals

Total Parenteral Nutrition (IPPE rotation)

- 3/2011

Prologue, M1/P1

- Substance Abuse and Intervene Now Council
- 8/2011, 8/2010, 9/2009

Large class facilitator

Volunteer Vaccination Trainer, CE for Pharmacists

- Immunization Training
- 8/2011, 12/2012, 8/2010

Volunteer Vaccination Trainer, Pharm.D. students

- Immunization Training
- 9/2012

Small group facilitator

Toxicology Module

Toxicology Workshop, Various Levels

- 10/2013

Toxicology Workshop, P3

- 3/2013

Pulmonary Physical Assessment, P3

- 9/2012

Lab facilitator, Infection and Immunity

- Assist with identification of unknowns for P2/M2s for one lab session as a part of Infectious Disease PGY-1 rotation

Preceptor

PGY-2 Critical Care Pharmacy Residents UH CMC

- Center for Emergency Medicine Preceptor 2016

Nurse Practitioner Pharmacy Preceptor UH CMC

- Center for Emergency Medicine Preceptor 2016

Medical Student Pharmacy Preceptor UH CMC

- Center for Emergency Medicine Preceptor 2016

PGY-2 Emergency Medicine Residents RWJUH

- Evening shift preceptor 2015

APPE

- Co-preceptor, Infectious Disease PGY-1 rotation, 2 pharmacy students
- Co-preceptor, Internal Medicine PGY-1 rotation, 2 pharmacy students
- Co-preceptor, Surgical Intensive Care PGY-1 rotation, 1 pharmacy student
- Co-preceptor (primary), Internal Medicine 2 PGY-1 rotation, 2 pharmacy students
- Co-preceptor, Emergency Medicine PGY-1 rotation, 2 pharmacy students

Scholarship

Presentations/Posters (presented underscored)

McKenzie C, Muakkassa F, Zimmerman J, and Berry M. Stored red blood cell age and development of deep vein thrombosis and/or pulmonary embolism in trauma intensive care patients. American Society of Health-System Pharmacists Midyear Meeting, Las Vegas, NV. 12/2012.

McKenzie C, Gallegos PJ, Fosnight S, et al. Student College of Clinical Pharmacy provides community service for the Akron Area Agency on Aging. American College of Clinical Pharmacy Annual Meeting, Pittsburgh, PA. 10/2011

Prescription Drug Abuse Prevention: How the Pharmacy Community is Making a Difference in Ohio. Ohio Pharmacists' Association Annual Conference, Columbus, OH. 4/2011, 4/2010.

How to Establish a Student College of Clinical Pharmacy. Ohio College of Clinical Pharmacy Fall Meeting luncheon business meeting speaker. 10/2011

Research Activities

Primary Investigator

McKenzie C and Cocchio C. Assessment of bleeding after alteplase administration for acute ischemic stroke in patients on anticoagulants and/or antiplatelet agents.

Primary Investigator

McKenzie C, Berry N, Zimmerman J and Muakkassa F. Stored red blood cell age and development of deep vein thrombosis and/or pulmonary embolism in trauma intensive care patients.

Co-Investigator

Malara J, McKenzie C, and Cocchio C. Effectiveness of INR reversal agents within the emergency department for acute major bleeding events.

Professional Organization Service
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American College of Clinical Pharmacy (ACCP)

- 2012 – 2013 – **National Resident Advisory Committee**
- 2011 – Present, Emergency Medicine PRN member
 - 2013 – 2014, 2011 – 2012, 2013 – 2014 **Media Committee**
 - 2012 – 2015, Collaborative Organization for Development of Emergency Medicine Pharmacists "CODE" Committee member
- 2015 – Present, Critical Care PRN member
- 2010 – 2015, Infectious Disease PRN member
- 2010 – Present, General Member

Phi Lambda Sigma (PLS)

- 2012 – 2013, **Mentor** for a P4
- May 2011 – May 2012, **Treasurer/Secretary**
- 2010 – Present, General Member, Inducted January 3, 2011

Ohio Society of Health-System Pharmacists (OSHP)

- 2012 – 2014, **Legal Affairs Division**
- 2010 – 2012, Membership and Marketing Division
- 2008 – 2014, General Member

Lambda Kappa Sigma (LKS)

- 2010 – 2011, Hope WaLKS 5K Walk/Run Committee Member
- 2009 – Present, National Member
- 2009 – 2012, Alpha Chi **Charter Member**
- 2012 – Present, Alpha Chi Alumni **Charter Member**
 - 2012 – 2013, Secretary

Intervene Now (IN) Council

- April 2011 – April 2012, Co-President
- April 2009 – April 2010, Secretary
- 2009 – 2012, Class Representative

Student College of Clinical Pharmacy (SCCP)

- 2011– 2012, President
- **Founder** of the NEOMED SCCP Quarterly Newsletter The Bolus
- 2010 – 2011, President-Elect
- 2010 – 2012, Charter Member

Student Society of Health-System Pharmacy (SSHP)

- 2009 – 2011, Secretary
- **Founder** of the NEOMED SSHP Monthly Newsletter
- 2008 – 2012, General Member

Ohio College of Clinical Pharmacy (OCCP)

- 2010 – 2014, General Member

American Society of Health–System Pharmacists (ASHP)

- 2008 – Present, General Member

Council of Ohio Colleges of Pharmacy Rx Abuse Prevention (RAP) Coalition

- 2010 – 2012, RAP Ambassador

Manuscript Review

Measuring Attitudes Toward Physician-Pharmacist Collaboration: Psychometrics of an Instrument in Pharmacy Students and Comparison to Medical Students. *American Journal of Pharmaceutical Education*. 7/2011

Time Management Tools for Pharmacists. *Currents in Pharmacy Teaching and Learning*. 11/2012.

Pharmacy Practice and Patient Care

Inservices and Educational Presentations

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|---------|---|
| 2/2014 | Evening Shift Pearls (Neonatal Intensive Care Unit maintenance fluids calculations, Impella Purge Solution, Hong Kong Solution, Kcentra) CE at Robert Wood Johnson University Hospital for pharmacy staff |
| 2/2014 | Pharmacy Calculations and Intro to ED Medications to Robert Wood Johnson University Hospital nursing staff |
| 11/2013 | Residency Advisory Committee – Disaster Pharmacy and Medical Missions |
| 11/2013 | ACLS Cardiac Arrest interdisciplinary hands on presentation to medical and pharmacy students – Rutgers |
| 6/2013 | Research Presentation on RBC Storage Age and Development of DVT for Post-Graduate Research Day at Akron General Medical Center to medical and pharmacy staff |
| 6/2013 | Treatment options for Hemophilia A and B CE at Akron General Medical Center to the pharmacy department |
| 3/2013 | ACLS Cardiac Arrest interdisciplinary hands on presentation to medical and pharmacy students – NEOMED |
| 1/2013 | Clinical Pearl: Pneumocephalus and prophylactic antibiotics to the Akron Area Society of Health-System Pharmacy (AASHP) |
| 1/2013 | Warfarin and bleeding events, drug utilization evaluation for pharmacy and therapeutics committee at Akron General Medical Center |
| 10/2012 | Emergency preparedness and the role of the pharmacist CE at Akron General Medical Center to the pharmacy department and students on rotations |
| 9/2012 | Group A strep pharyngitis updated guidelines review for family medicine department |
| 4/2012 | Antibiotic summary and review to small group at Akron Children’s Hospital |

- 3/2012 Pharmacy Practice Model Initiative overview to pharmacy department at Fairview Hospital
- 1/2012 MRSA pneumonia case presentation at Akron General Medical Center to clinical pharmacists and students
- 10/2011 Bath salts and spice presented to Intervene Now Council at NEOMED
- 9/2011 Hereditary angioedema case presentation at Akron General Medical Center to clinical pharmacist and students
- 7/2011 Animal bites (cats & dogs) case presentation at Akron General Medical Center to clinical pharmacists and students

Educational Tools

- 10/2011 Submitted quick reference insulin handout to Akron General Medical Center P&T

Professional Development

Workflow and Operational Special Committee RWJ Pharmacy Department, 2015

Tenth Grade Health Science Tech HS/RWJ Health Professions Scholars – Opportunities for Pharmacists, June 2015

International Center for Terror Medicine Web Video Series, Educational Opportunities for Healthcare Providers, January 2014

ACCP Emergency Medicine PRN Newsletter, Myth Busting of Droperidol Toxicity, 2/2014

ACCP Resident Newsletter Article regarding tips for starting residency, 7/2013

Medical Preparedness and Response to Bombing Incidents, PER 233, United States Department of Homeland Security/FEMA 2 day course given by Texas Engineering Extension Service, 1/2013

NEOMED panel member for the residency info night for current pharmacy students, 11/2012

SSHP monthly newsletter article by invitation on P4 rotations, 7/2012

SCCP P4 student panel and LKS P4 student panel to provide advice to current students on residency, 5/2012

Social reception and dinner with NEOMED Dean’s Advisory Council, 4/2012

SCCP local team winner of Clinical Pharmacy Challenge, 9/2011

OSHP Pharmacy Bowl team competition, 10/2011, 11/2010

SSHP student liason (stand in) for CSHP, 2/2011

NEOMED student panel and campus tours for pharmacy open house, 4/2010

Public Service

Waves of Health

Mobile Pharmacy, **Medical Mission** for Dajabon, Dominican Republic and surrounding rural towns, 10/2013, 4/2014

SSHP

Food Serving at Haven of Rest, Akron OH, 10/2010, 12/2012

NEOMED Body and Beyond Community Health Fair Brown Bag Event, 3/2010

Akron Children's Hospital Holiday Tree Festival, 11/2009

Ohio Department of Transportation Highway Clean-up, 5/2009

IN Council

NEOMED Body and Beyond Community Health Fair DUI Education, 5/2009

Landscaping for Interval Brotherhood Home, Akron, OH, 4/2009

Kent State University Parish Newman Center

Presented the Oil of the Infirm for anointing of the sick on Holy Thursday, 4/2011