**Capstone Project Poster Titles**

**2016 -2017**

**Business Plans**

1. ***Hideg Pharmacy Diabetes Self-Management Education and Training Service***

Christian Harrelson, Pharm.D. Candidate

Mentor: Michael Day, R.Ph.

Hideg Pharmacy, Belleville, Illinois

1. ***All-in-One Electronic Health Record Service: Business Plan***

Chunhua Huang, Pharm.D. Candidate

Mentor: Walter Siganga, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Additional Post Hospital Discharge Patient Education In A Community***

James Jirus, Pharm.D. Candidate

Mentor: Jon Halterman, R.Ph.

Walgreens Pharmacy, Chatham, Illinois

Best Presentation Award – SIUE School of Pharmacy Poster and Presentation Day 2017

1. ***Schnucks Compounding Pharmacy: Business Plan***

Kelly Korza, Pharm.D. Candidate

Mentor: Leslie Harmon, Pharm.D.

Schnucks Pharmacy, Florissant, Missouri

Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2017

1. ***Value Added Service: Blood Pressure Monitoring at Hy-Vee Pharmacy***

Jacob Mahr, Pharm.D. Candidate

Mentor: Walter Siganga, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Business Plan: Addition of Long Term Care Pharmacy Services to a Retail Pharmacy***

Brianna Nichols, Pharm.D. Candidate

Mentor: Katie Schweitzer, Pharm. D.

Shop ‘N Save Pharmacy, Granite City, Illinois

1. ***Blood Pressure Value Added Service***

Brayton Regner, Pharm.D. Candidate

Mentor: Leslie Harmon, Pharm.D.

Schnucks Pharmacy, Florissant, Missouri

1. ***SIUe HPV Vaccination Initiative: Marketing Plan***

Joshua Strange, Pharm.D. Candidate

Mentor: J. Christopher Lynch, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

**Surveys**

1. ***Prevalence and Clinical Implications of Tick-borne Diseases in the Saint Louis Metropolitan Region***

Redir Barwari, Pharm.D. Candidate

Mentor: Cathy Santanello, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Patient-Reported Insulin Adherence in a Community Pharmacy Setting***Ashley Beiser, Pharm.D. Candidate

Mentor: J. Christopher Lynch, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

SIUE Senior Showcase Presenter 2017

1. ***Determining if Education by a Pharmacist Leads to Better Outcomes for Patients with Type 2 Diabetes***

Emily Benvenuto, Pharm.D. Candidate

Mentor: Christine Reyling, R.Ph.

Walgreens Pharmacy, Columbia, Illinois

1. ***Pharmacogenomics Perceptions and Encounter Rates among SIUE School of Pharmacy Alumni in Varying Practice Settings***

Danielle Bozzardi, Pharm.D. Candidate

Mentor: Ronald Worthington, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Impact of Pharmacist-Directed Education on Patient Understanding and Satisfaction***

Whitney Breweur, Pharm.D. Candidate

Mentor: Jared Sheley, Pharm.D. and Kristi Emmons, Pharm.D

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Sam’s Club Pharmacy, Shiloh, Illinois

1. ***Survey on Missouri and Illinois Pharmacists’ Perceptions of Implementing a Missouri Prescription Drug Monitoring Program***

Ashley Buettner, Pharm.D. Candidate

Mentor: Leslie Harmon, Pharm.D.

Schnucks Pharmacy, Florissant, Missouri

1. ***Community Pharmacists’ Preparedness for Counseling Patients on Pharmacogenomic Testing and Results***

Brian Burmeister, Pharm.D. Candidate

Mentor: Ronald Worthington, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Student Perceptions of Self-Care Patient Counseling in the Community Pharmacy Aisle versus the Laboratory Setting***

Amber Crouch, Pharm.D. Candidate

Mentor: Miranda Wilhelm, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

SIUE Senior Showcase Presenter 2017

1. ***Survey to Determine Healthcare Informatics Interests amongst Pharmacy Students***

Ashlen Dunn, Pharm.D. Candidate

Mentor: Frank Lyerla, Ph.D., R.N.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Evaluation of Interprofessional Experiences (IPE) during Advanced Pharmacy Practice Rotations (APPEs)***

Sarah Fox, Pharm.D. Candidate

Mentor: Katherine Newman, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Pharmacy Student Perceptions of Conversation Maps® as a Tool for Diabetes Education***

Sarah Joachim, Pharm.D. Candidates

Mentor: Jessica Kerr, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Brief Assessment of Impact of Insurance Issues on SIUE Employees –***

***A Survey Research Study***

Yasmyn Knight, Pharm.D. Candidate

Mentor: J. Christopher Lynch, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Patient Acceptance of Pharmacist- Recommended Pneumococcal Vaccinations***

Kristen Meiners, Pharm.D. Candidate

Mentor: Miranda Wilhelm, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Identifying Barriers to Student Involvement in Professional Pharmacy Organizations***

Timothy Oyer, Pharm.D. Candidate

Mentor: Jessica Kerr, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Patient Satisfaction of Telepharmacy***Amy Probst, Pharm.D. Candidate

Mentor: Andrea N. Hille, Pharm.D.

Brown’s Drug Store, Effingham, Illinois

1. ***The Utilization of Pill Cards in the Community Pharmacy and its Effects on Patient Perception: Pilot Study***

Hannah Randall, Pharm.D. Candidate

Mentor: Lakesha Butler, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Patient Perceptions of the Appointment Based Model in an Independent Pharmacy Setting***

Kelsey Robertson, Pharm.D. Candidate

Mentor: Penny Bobcik, R.Ph.

Millstadt Pharmacy, Millstadt, Illinois

1. ***Continuing Education Practices among Current Pharmacists***

Julie Schilling, Pharm.D. Candidate

Mentors: Cynthia Wuller, M.S., R.Ph.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Evaluation and Description of the Origins of Heroin Use***

Scott Sexton and Jordan Sinclair, Pharm.D. Candidates

Mentor: Christopher Herndon, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Closing the Gaps in Medication Optimization within Illinois***

Amber Simmons, Pharm.D. Candidate

Mentors: Starlin Haydon-Greatting, MS, BSPharm and Garth Reynolds, BSPharm

Illinois Pharmacists Association, Springfield, Illinois

1. ***Evaluation of Parent/Caregiver Perceptions of the Pacidose™ Product***

Chloe Stason, Pharm.D. Candidate

Mentor: Miranda Wilhelm, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

SIUE Senior Showcase Presenter 2017

1. ***Influence of Direct to Consumer Prescription Drug Advertising on Survey Participants’ Interest in a Prescription Drug***

Emma Summers, Pharm.D. Candidate

Mentor: McKenzie Ferguson, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Best Poster Award – SIUE School of Pharmacy Poster and Presentation Day 2017

1. ***Prevalence and Clinical Implications of Tick-borne Diseases in the Central and Southern Illinois Regions***Brandon Taylor, Pharm.D. Candidate

Mentor: Catherine Santanello, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Usage of OTC Medications by Runners in Self-Care Situations***

David Taylor, Pharm.D. Candidate

Mentor: Catherine Santanello, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Efficacy of Acaricides and Topical Agents in the Prevention of Vector-Borne Diseases: A Study of Animal Populations in U.S. Zoos***Rachel Webb, Pharm.D. Candidate

Mentor: Catherine Santanello, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Increasing Adoption of a Basal-Bolus-Correctional Insulin Order Set in an Acute Care Setting***

Maggie Wiant, Pharm.D. Candidate

Mentor: Dawn Dankenbring, RPh

St. Elizabeth’s Hospital, Belleville, Illinois

**Retrospective Chart Reviews, Drug Utilization Review, Review of Guidelines, etc.**

1. ***Reducing Polypharmacy: Deprescribing at an Academic Medical Center***

Morgan Atwood, Pharm.D. Candidate

Mentor: Carrie Vogler, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***A Retrospective Chart Review of the Efficacy of Intramuscular Vitamin A for the Prevention of Bronchopulmonary Dysplasia in Extremely-Low-Birth-Weight Infants***

San Baban, Pharm.D. Candidate

Mentor: Nikki Burleyson, Pharm.D

Cardinal Glennon Children’s Hospital, St. Louis, Missouri

1. ***Psychiatric Medication Prescribing Patterns at a Federally Qualified Health Center (FQHC)***

Abigail Buchman and Lindsay Schroeder, Pharm.D. Candidates

Mentors: Kelly Gable, Pharm.D. and Jaron Asher, M.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Family Care Health Centers, St. Louis, Missouri

1. ***An Evaluation of Procalcitonin Guided Antibiotic Therapy at a Community Teaching Hospital***

Jerry Chapman, Pharm.D. Candidate

Mentor: Cassandra Maynard, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Impact of an Opioid Prescribing Education Session***

Caleb Corrigan, Pharm.D. Candidate

Mentors: Andrea Chbeir, Pharm.D.

Blessing Hospital System, Quincy, Illinois

1. ***The Impact of Sacubitril/Valsartan: A Clinical and Economical Evaluation of the Next Generation Treatment for Heart Failure.***

Tyler Daugherty, Pharm.D. Candidate

Mentor: Casey Robinson, Pharm.D.

Cigna Health, St. Louis, Missouri

1. ***Protocol Evaluation Comparing Weight Based versus Non-Weight Based Continuous Sedation on Incidence of Delirium and ICU Length of Stay***

Matthew Ehrhardt, Pharm.D. Candidate

Mentor: Kelsey Bauman, Pharm.D. and Jared Shelley, Pharm.D.

St. Elizabeth’s Hospital, Belleville, Illinois

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Impact of Procalcitonin on Discontinuation of Antibiotic Therapy in ICU Patients with Sepsis***

Janet Ellis, Pharm.D. Candidate

Mentor: Julie Downen, Pharm.D. and Megan Metzke, Pharm.D.

Memorial Medical Center, Springfield, Illinois

1. ***Compliance with Pneumococcal and Influenza Vaccinations in a Heart Failure Clinic, a Retrospective Chart Review***

Kathryn Elzerman, Pharm.D. Candidate

Mentor: Michael Short, Pharm.D.

Memorial Hospital, Belleville, Illinois

1. ***Evaluation of a Pharmacist-Physician Co-Managed Diabetes Service: A Long-Term***

***Follow-Up***

Brandy Hudgins, Pharm.D. Candidate

Mentor: Jennifer Rosselli-Lynch, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***A Retrospective Study to Evaluate the Safety and Efficacy of a Nucleoside-Sparing Regimen of Darunavir, Ritonavir, and Dolutegravir***

Jessica Johnson, Pharm.D. Candidate

Mentor: J. Christopher Lynch, Pharm.D. and John Verna, P.A.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Southern Illinois Healthcare Foundation, Centreville, Illinois

1. ***The Impact of Pharmacist-Driven Pantoprazole to Famotidine Substitution Protocol on Rates of Hospital-Acquired Clostridium Difficile***

Regan Kitchens, Pharm.D. Candidate

Mentor: Kristie Stice, Pharm.D.

Decatur Memorial Hospital, Decatur, Illinois

1. ***Conversion of Intravenous Fentanyl to Oral Morphine and Intravenous Dexmedetomidine to Oral Clonidine in the Neonatal Intensive Care Unit***

Tracy Knobeloch, Pharm.D. Candidate

Mentors: Brandy Zeller,Pharm.D.,Caren Laviskie,Pharm.D., Christopher McPherson Pharm.D.

Saint Louis Children’s Hospital, St. Louis, Missouri

1. ***Evaluation of a Comprehensive Medication Service in a Complex Medical Care Program***

Ali Koerper, Pharm.D. Candidate

Mentor: Lisa Lubsch Bimpasis, Pharm.D

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***The Impact of Sacubitril/Valsartan: A Clinical and Economical Evaluation of the Next Generation Treatment for Heart Failure***

Andrew Korte, Pharm.D. Candidate

Mentor: Casey Robinson, Pharm.D.

Cigna Health, St. Louis, Missouri

1. ***A Retrospective Analysis of the Prescription Directions for Tiotropium Inhalation Spray in the Treatment of Chronic Obstructive Pulmonary Disease***

Kaycilee Legate, Pharm.D. Candidate

Mentor: Meghan Schrumpf, Pharm. D.

Schnucks Pharmacy, Godfrey, Illinois

1. ***Spatial Analysis of Disparities in Asthma Treatment among Adult Asthmatics***

Jessica Lorenson, Pharm.D. Candidate

Mentor: Maithili Deshpande, Ph.D. and Whitney Zahnd, M.S.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Southern Illinois University School of Medicine, Center for Clinical Research, Springfield, Illinois

1. ***Evaluation of Effect of Programmed Death-1 Inhibitors on Coagulation Markers at Mercy Hospital***

Zachary Madej, Pharm. D. Candidate

Mentor: Keith Hecht, Pharm. D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***An Economical Evaluation of a Novel Treatment for Hepatitis C: A Claims-Based Retrospective Study***

Ashley Marchello, Pharm.D. Candidates

Mentor: Casey Robinson, Pharm.D.

Cigna Health, St. Louis, Missouri

1. ***Evaluation of Time to Antimicrobial Administration in Early and Late-Onset Sepsis in a Neonatal Intensive Care Unit (NICU)***

Shelley Monroe, Pharm.D. Candidate

Mentors: Brandy Zeller,Pharm.D.,Caren Laviskie,Pharm.D., Christopher McPherson Pharm.D.

Saint Louis Children’s Hospital, St. Louis, Missouri

Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2017

1. ***A Retrospective Chart Review to Evaluate the Appropriate Use of Vitamin K Therapy for Reversal of Warfarin in a Community Hospital***

Katherine Olson, Pharm.D. Candidate

Mentor: Jared Sheley, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

SIUE Senior Showcase Presenter 2017

1. ***The Utilization of a Twitter Account to Promote Drug and Wellness Information***

Zachary Righter, Pharm.D. Candidate

Mentor: McKenzie Ferguson, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Frequency of Acute Kidney Injury in Pediatric Patients with Cystic Fibrosis during Treatment of a Pulmonary Exacerbation***

Dana Rod, Pharm.D. Candidate

Mentor: Lisa Lubsch Bimpasis, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Physical and Cognitive Functioning Among Older Adults Taking Potentially Inappropriate Medications***

Kayla Schell, Pharm.D. Candidate

Mentor: J. Mark Ruscin, Pharm.D. and Maithili Deshpande, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

SIUE Senior Showcase Presenter 2017

1. ***Discontinuation of Antipsychotics Initiated for Hospital Delirium***

Sarah Wagner, Pharm.D. Candidate

Mentor: Katie Ronald, Pharm.D. and Benjamin Wunderlich, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Memorial Medical Center, Springfield, Illinois

1. ***Vancomycin Eight Hour Dosing in Adult Patients***

Lydia Weidner, Pharm.D. Candidate

Mentor: Daphne Goewey, Pharm.D.

SSM St. Mary’s Hospital, St. Louis, Missouri

Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2017

1. ***Evaluation of a Value-Based Insurance Design Program on Medication Adherence, Utilization and Cost in Diabetes***

Rachel Wiechert, Pharm.D. Candidate

Mentor: Casey Robinson, Pharm.D. and Maithili Deshpande, Ph.D.

Cigna Health Care, St. Louis, Missouri

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

**Case Study, Case Report**

1. ***An Observational Study to Validate the Integrity of the Cold Chain at Foundation Care during Pharmaceutical Transit***

Jacob Stason, Pharm.D. Candidate

Mentor: Katie Mothershed, Pharm.D.

Foundation Care, St. Louis, Missouri

1. ***Case Report of Pharmaceutical Intervention for a Patient from the Hotspotters Initiative of the Camden Coalition***

Austin Tjaden, Pharm.D. Candidate

Mentor: Janice Frueh, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2017

1. ***The Camden Coalition: A Case Report on a Health Care High Utilizing Patient***

Taylor Yuhas, Pharm.D. Candidate

Mentor: Janice Frueh, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

**Teaching and Learning**

1. ***Use of Mixed-Methods Approach to Assess the Impact of a Pre-professional Health Humanities Honors Course***

Haley Ilcewicz, Pharm.D. Candidate

Mentor: Terri Poirier, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Developing and Piloting a Documentation Tool for Interprofessional Experiences during Advanced Pharmacy Practice Experience (APPE) Rotations***

Brock Pontious, Pharm.D. Candidate

Mentor: Katherine Newman, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Examination and Comparison of Dual PharmD/MBA Programs in the United States***

Kelsey Salmon, Pharm.D. Candidate

Mentor: Jingyang Fan, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

SIUE Senior Showcase Presenter 2017

1. ***The Impact of Patient Care Electives on Advanced Pharmacy Practice Experience Rotation Preparedness***

Adam Schulte, Pharm.D. Candidate

Mentor: Jingyang Fan, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

**Other**

1. ***OPRM1 A118G Polymorphism and Opioid Pain Medications: A Review of the Evidence***

Andrew Cloninger, Pharm.D. Candidate

Mentor: Ronald Worthington, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Mental Health Service Availability in the Limited English Proficiency and Immigrant Populations***

Thomas Kelly, Pharm.D. Candidate

Mentor: Marcello Nieto, Ph.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Homeless Shelter Initiative***

Stephanie Mormino, Pharm.D. Candidate

Mentor: Kelly Gable, Pharm.D.

Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

1. ***Impact of Pharmacists and Pharmacy Students on Chronic Obstructive Pulmonary Disease (COPD) Inhaler Technique***

Clayton Whittington, Pharm.D. Candidate

Mentor: Larrah L Duckworth, Pharm.D.

Walgreen’s Pharmacy, Troy, Illinois