Capstone Project Poster Titles
2015 -2016

Business Plans

   Joe Brown, Pharm.D. Candidate
   Mentor: Starlin Haydon-Greatting, M.S., BSPharm.
   Illinois Pharmacists Association, Springfield, Illinois

2. Business Plan for Fischer Drug
   Donovan Fischer, Pharm.D. Candidate
   Mentor: Lakesha Butler, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

3. Pain Education Classes for SIU School of Medicine, General Internal Medicine Clinic
   Keith Fuentes, Pharm.D. Candidate
   Mentor: Carrie Vogler, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

4. Outpatient Pharmacy and Care Center Services
   Cassandra Goldschmidt, Pharm.D. Candidate
   Mentor: Daniel Bollmann, Pharm.D.
   Red Bud Regional Hospital, Red Bud, Illinois

5. Medication Therapy Management Service Plan
   Misty Herman, Pharm.D. Candidate
   Mentor: Katie Mothershed, Pharm.D.
   Foundation Care Pharmacy, St. Louis, Missouri

6. Kroger’s Diabetes Prevention Program
   Carlos Hurtado-Estrada, Pharm.D. Candidate
   Mentor: JoEllen Miller, Pharm.D.
   Kroger Pharmacy, Marion, Illinois
   Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2016

7. Initiation of an Immunization Service in an Independent Community Pharmacy Service Plan
   Lauren Kirkpatrick, Pharm.D. Candidate
   Mentor: Emily Powers, Pharm.D.
   Best Presentation Award – SIUE School of Pharmacy Poster and Presentation Day 2016
8. Harmon’s Health Mart Pharmacy – Strategic Marketing Plan  
Kelsie McNeil, Pharm.D. Candidate  
Mentor: Brad Harmon, R.Ph.  
Harmon’s Health Mart, Oblong, Illinois

9. Implementation of a Pharmacogenomic Testing Service in a Community Pharmacy  
Cory Niemerg, Pharm.D. Candidate  
Mentor: Duane Kremer, R.Ph.  
Kremer Pharmacy, Teutopolis, Illinois

Surveys

1. Patient Knowledge and Beliefs Related to End-of-life Care and the Perceived Role of the Community Pharmacist  
Noah Ayika and Kassandra Moore, Pharm.D. Candidates  
Mentor: Katie Ronald, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

2. Assessing the Effectiveness of Prescription Drug Abuse Focused Instruction Given to Secondary Education Majors Prior to Student Teaching: A Pilot Study  
Cassandra Collins, Pharm.D. Candidate  
Mentor: Jessica Kerr, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois  
SIUE Senior Showcase Presenter 2016

3. Impact of Interprofessional Education on Dental Participants’ Perceptions of Pharmacy Student Contributions on the Jamaica Dental Mission Trip: A 5-year Comparison  
Amanda Daniels, Pharm.D. Candidate  
Mentors: Jennifer Rosselli, Pharm.D. and J. Christopher Lynch, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

4. Perceptions of Pharmacy Graduates on the Research Process after Completion of the Capstone Experience  
Kaycee Dycus, Pharm.D. Candidate  
Mentor: Cynthia Wuller, M.S., R.Ph.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

5. A Pilot Study on the Cultural Competency Assessment of Students in a Spanish Language and Culture for Health Professionals Course  
Matthew Ehrhardt, Pharm.D. Candidate  
Mentor: Marcelo Nieto, Ph.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
6. **Community Pharmacy Access to Oral Oncology Medications**  
Tamika Glover, Pharm.D. Candidate  
Mentor: Keith Hecht, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois  
Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2016

7. **Perceptions of Medicinal Plant Use Amongst the Hispanic Population**  
Kim Grafford, Pharm.D. Candidate  
Mentor: Marcelo Nieto, Ph.D. and Cathy Santanello, Ph.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

8. **Patients’ Perceptions of Pharmacists at a 24-Hour Community Pharmacy in Southern Illinois**  
Rachel Hartman, Pharm.D. Candidate  
Mentor: Alison Shubert, Pharm.D.  
Walgreens Pharmacy, Granite City, Illinois

9. **Justification of Pharmacy Technician Services in the Inpatient Setting**  
Quintin Hayes, Pharm.D. Candidate  
Mentor: Julia Schimmelpfennig, Pharm.D.  
St. Elizabeth’s Hospital, Belleville, Illinois

10. **Multidisciplinary Assessment of Mental Health Literacy and Self-Efficacy Beliefs about Mental Health**  
David Henson, Pharm.D. Candidate  
Mentor: Radhika Devraj, Ph.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois  
SIUE Senior Showcase Presenter 2016

11. **The Value of a Psychiatric Pharmacy Provider in Assertive Community Treatment Recovery-Focused Outcomes**  
Zachary Hill and Sean O’Bannon, Pharm.D. Candidates  
Mentor: Kelly Gable, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

12. **Analysis of Prescribing Patterns for Pain Medications in Illinois Following Hydrocodone Rescheduling**  
Michael Johnson, Pharm.D. Candidate  
Mentor: Eric Hess, R.Ph.  
Wal-Mart Pharmacy, Glen Carbon, Illinois
13. Medication Adherence Perceptions and Behaviors in Patients with Human Immunodeficiency Virus
Kimberlee Kabbes, Pharm.D. Candidate
Mentor: J. Christopher Lynch, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

14. Patient Perspectives about Community Pharmacy-Based Value-Added Services
Elizabeth Lass, Pharm.D. Candidate
Mentor: Miranda Wilhelm, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
SIUE Senior Showcase Presenter 2016

15. Enhancing the Syllabus for the Guatemala Advanced Pharmacy Practice Experience
Megan McVicar, Pharm.D. Candidate
Mentor: Misty Gonzalez, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Tina Messenger, Pharm.D. Candidate
Mentor: Jessica Kerr, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

17. A Comparison of Asthma/COPD Control within Two Illinois Cities
Whitney Miller, Pharm.D. Candidate
Mentor: Lakesha Butler, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

18. Evaluation and Student Perceptions of an Interactive Game to be Utilized as a Study Tool
Molly Pomatto, Pharm.D. Candidate
Mentor: Miranda Wilhelm, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

19. Prevalence of Headaches in Adults in a Rural Area
Allison Sargent, Pharm.D. Candidate
Mentor: Sarah Brockhouse, Pharm.D.
Moreland and Devitt Pharmacy, Rushville, Illinois

20. Herbal Medicine Use in African American Patients Living with Diabetes
Kristin Smith, Pharm.D. Candidate
Mentors: Cathy Santanello, Ph.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
21. Knowledge and Implementation of Physical Activity Goals: A Look into Pharmacists’ Own Lifestyles
Katie Suarez, Pharm.D. Candidate
Mentor: Tracy Shewell, Pharm.D.
CVS Pharmacy, St. Louis, Missouri

22. The Impact of Hydrocodone Products’ Schedule II Transition on Prescribers
Alexander Vartanian, Pharm.D. Candidate
Mentor: Christie Reyling, R.Ph.
Walgreens Pharmacy, Collinsville, Illinois

23. Pharmacists’ Views on Prescriptive Authority
Casey VonDeBur, Pharm.D. Candidate
Mentor: Trevor Beal, Pharm.D.
Walgreens Pharmacy, Springfield, Illinois

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

1. School of Pharmacy Impact on Jamaica Dental Mission Trip
Anna Arthur, Pharm.D. Candidate
Mentor: J. Christopher Lynch, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

2. Relationship of Geographical Distance and Hospital Readmissions for Patients Receiving Care at a Heart Failure Clinic
Skylar Bolduc and Hannah Sheley, Pharm.D. Candidates
Mentor: J. Mark Ruscin, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

3. Prescribing Patterns in Asthma-Chronic Obstructive Pulmonary Disease Overlap Syndrome
Aaron Bulinski and Tyler Burns, Pharm.D. Candidates
Mentors: Jennifer Arnoldi, Pharm.D. and Maithili Deshpande, Ph.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

4. Total Drug Cost and Usage of Diabetes Medications under Medicare Part D in Selected Midwestern States
Hoi Lam Chan, Pharm.D. Candidate
Mentor: Walter Siganga, Ph.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
5. **Effects of Proton-Pump Inhibitor, Histamine-2 Receptor Antagonist, and Metformin Use on Serum Vitamin B12 Levels in Older Adults**
   Sarah Cook, Pharm.D. Candidate
   Mentors: Maithili Deshpande, Ph.D. and J. Mark Ruscin, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

6. **Evaluation of the Use of Newer Anti-Spindle Agents in the Treatment of Breast Cancer**
   Elizabeth Faber, Pharm.D. Candidate
   Mentor: Keith Hecht, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

7. **Evaluation of Discharge Medications for Acute Coronary Syndrome**
   Lauren Farnsworth, Pharm.D. Candidate
   Mentor: Jingyang Fan, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

8. **Student Perception of Interprofessional Education (IPE) in Advanced Pharmacy Practice Experiences (APPEs)**
   Kaitlyn Fedak, Pharm.D. Candidate
   Mentor: Kate Newman, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
   Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2016

9. **Implementation of a Procalcitonin-Protocol as a Biomarker for Antibiotic Therapy**
   Daphne Goewey, Pharm.D. Candidate
   Mentor: Michael Geisler, Pharm.D.
   Memorial Hospital, Belleville, Illinois

10. **Relationship Between Social Media Use and Health Sharing Behavior among Breast Cancer Screening Eligible Women**
    Lynsey Gore, Pharm.D. Candidate
    Mentor: Maithili Deshpande, Ph.D.
    Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

11. **Propranolol Use in Children with Acute Brain Injury**
    Kate Henderson, Pharm.D. Candidate
    Mentor: Brittany McNew, Pharm.D.
    Ranken Jordan Pediatric Bridge Hospital, Maryland Heights, Missouri

12. **COPD Exacerbations: Analysis of 30-day Readmission Rates and Appropriateness of Inpatient and Discharge Medications**
    Tara Heuerman, Pharm.D. Candidate
    Mentor: Jared Sheley, Pharm.D.
    Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
13. Evaluation and Peer Assessment of Pharmacy Students' Standardized Patient Interviews
   Tate Hohulin, Pharm.D. Candidate
   Mentors: Andrea Wooley, Pharm.D. and Carrie Vogler, Pharm.D
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
   SIUE Senior Showcase Presenter 2016

14. Evaluation of the Use of HMG Co-A Reductase Inhibitors in Compliance with the 2013 Guideline Recommendations
   Taylor Hunt, Pharm.D. Candidate
   Mentor: Cassandra Maynard, Pharm.D
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

15. The Effect of Pharmacist-led Patient Education on Heart Failure Readmission Rates
   Erica Korte and Johnny Truong, Pharm.D. Candidates
   Mentor: Cassandra Maynard, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

16. Anticoagulant Use in Suspected Heparin Induced Thrombocytopenia
   Christopher Loos, Pharm.D. Candidate
   Mentor: Jingyang Fan, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

17. A Review and Modification of Pharmacy Services in the Nursing Home
   Kristin Manns, Pharm.D. Candidate
   Mentor: Kelly Mueller, R.Ph.
   Alton Memorial Hospital, Alton, Illinois

18. Pharmacy Outreach in Guatemala, a First for Southern Illinois University Edwardsville
   Sarah Marciniak, Pharm. D. Candidate
   Mentor: Misty Gonzalez, Pharm. D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

19. A Medical Informatics Analysis of Psychotropic Drug Use in the Long Term Care Setting based on Patient’s Pre-Existing Metabolic Risk Factors
   Ross Matteson and Steven Nguyen, Pharm.D. Candidates
   Mentor: Randy Malan, R.Ph.
   Department of Health and Human Services, Springfield, Illinois

20. A Retrospective Chart Review of Corticosteroid Use in Neonates and Infants
   Bryant McNeely, Pharm.D. Candidate
   Mentor: Lisa Lubsch Bimpasis, Pharm.D.
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
21. **Antibiotic Use in Asymptomatic Urinary Tract Infections**  
Saba Mohiuddin, Pharm.D. Candidate  
Mentor: Michael Geisler, Pharm.D.  
Memorial Hospital, Belleville, Illinois

22. **Evaluation of Anticoagulant Utilization in Patients Receiving Percutaneous Coronary Intervention**  
Maryam Molki, Pharm.D. Candidate  
Mentor: Jingyang Fan, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois  
Best Poster Award – SIUE School of Pharmacy Poster and Presentation Day 2016

23. **Medicare Utilization and Payments in 2013 for Genomic Medicine Practitioners**  
Luan Nguyen, Pharm.D. Candidate  
Mentor: Walter Siganga, Ph.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

24. **Analyzing the Appropriateness of Dosing of Megestrol Acetate for Cancer Patients**  
Cody Overmann, Pharm.D. Candidate  
Mentor: Keith Hecht, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

25. **Evaluation of the Use of Carfilzomib in a Community Oncology Center**  
Holly Pence, Pharm.D. Candidate  
Mentor: Keith Hecht, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

26. **Contrast-Induced Nephropathy Associated with Angiotensin-Converting Enzyme Inhibitors and Angiotensin Receptor Blockers in Patients Undergoing Percutaneous Coronary**  
Luke Piarowski, Pharm.D. Candidate  
Mentor: Jingyang Fan, Pharm.D.  
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

27. **Impact of a Pharmacist Driven Antibiotic Time Out Process on the Duration of Broad Spectrum Antibiotic Use: A Retrospective Review**  
Jill Sandschafer, Pharm.D. Candidate  
Mentor: Kris Keplar, Pharm.D.  
HSHS St. Anthony’s Memorial Hospital, Effingham, Illinois

28. **Customer Satisfaction Compared To Workflow Efficiency in a Retail Pharmacy Setting: A Retrospective Chart Review**  
Kelsey Schmeink, Pharm.D. Candidate  
Mentor: Avery Hagedorn, Pharm.D.  
CVS Pharmacy, Highland, Illinois
29. An Institutional Review of Double Gram Negative Antimicrobial Coverage in Healthcare-Associated Pneumonia: Is there a difference in In-Hospital Mortality?
Alyssa Tomaszewski, Pharm.D. Candidate
Mentor: Michael Geisler, Pharm.D.
Memorial Hospital, Belleville, Illinois

30. Evaluation of the Effectiveness of Clinical Pharmacy Services on the Management of Diabetes Mellitus and Cardiometabolic Risk Reduction in an Underserved Population
Kelsey Ziegemeier, Pharm.D. Candidate
Mentor: Andrea Wooley, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Case Study, Case Report

1. Evaluating the Utility of Pharmacogenomic Patient Profiling Using 23andMe Data
Phillip Kilver, Pharm.D. Candidate
Mentor: Ronald Worthington, Ph.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
SIUE Senior Showcase Presenter 2016

2. Detection of Possible Pathway Disruption Resulting from Silent Codon Mutations
Kasey Raetz, Pharm.D. Candidate
Mentor: Ronald Worthington, Ph.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

3. A Complex Needs Patient Case Report: Pharmacy Student’s Role within an Inter-professional Healthcare Team
Laura Wilcox, Pharm.D. Candidate
Mentor: Janice Frueh, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Teaching and Learning

1. Creation of a Longitudinal Ambulatory Care Sequence
Mallory Adams, Pharm.D. Candidate
Mentor: Janice Frueh, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

2. Assessing an Interprofessional Error Disclosure Simulation Training Program: Self-Assessment and Faculty Assessment
Ray Jhala, Pharm.D. Candidate
Mentor: Terri Poirier, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
3. **Palliative and End-of-Life Care Content within Common Pharmacy Textbooks**  
   Joseph Lider, Pharm.D. Candidate  
   Mentor: Christopher Herndon, Pharm.D.  
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois  
   Honorable Mention – SIUE School of Pharmacy Poster and Presentation Day 2016

4. **Implementation of Topic Discussions into a Community Pharmacy Advanced Pharmacy Practice Experience (APPE)**  
   Dominic Messina, Pharm.D. Candidate  
   Mentor: Kate Newman, Pharm.D.  
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

**Other**

1. **The Development of an Evidence Based, Standardized Formulary for the Pediatric Extemporaneous Oral Liquid Compounds of the Gateway Pediatric Pharmacy Group**  
   Kyle Dillon, Pharm.D. Candidate  
   Mentor: Lisa Lubsch Bimpasis, Pharm.D.  
   Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois  
   SIUE Senior Showcase Presenter 2016

2. **Cost-Benefit Analysis of USP Chapter 800 Update Compliance: Renovations for Foundation Care**  
   Torey Watson, Pharm.D. Candidate  
   Mentor: Katie Mothershed, Pharm.D.  
   Foundation Care Pharmacy, St. Louis, Missouri