

Capstone Project Poster Titles 2015 -2016

Business Plans

- 1. *Business Plan for an Asthma Component for the Patient Self-Management Program (PSMP) of the Illinois Pharmacists Association (IPhA)***
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

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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

16. Assessing Attitudes of Pharmacy Personnel Regarding Prescription Drug Abuse and Addiction Among Patients

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

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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

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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