

Capstone Project Poster Titles 2011 -2012

Bench Research

1. ***Bactericidal Growth Kinetics of Silver Sulfadiazine Microemulsions Using Flow Cytometry***
James "Cody" Sandusky, Pharm.D. Candidate
Mentors: William Kolling, Ph.D., Tim McPherson, Ph.D., Ron Worthington, Ph.D., Joseph Schober, Ph.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

Business Plans

1. ***Expanding Andes HealthMart Pharmacy to Work more directly with The Marshall Clinic and Their Patients***
Andrew Altman, Pharm.D. Candidate
Mentor: Chip Andes, R.Ph.
Andes HealthMart Pharmacy, Effingham, Illinois
2. ***Establishing a Nonprofit Pharmacy in St. Louis, Missouri***
Barbara Berg, Pharm.D. Candidate
Mentor: William Porch, R.Ph.
Humana Pharmacy, Peoria, Illinois
3. ***HealthwoRx Pharmacy: Establishing a Community Pharmacy with a Focus on Diabetes Education, a Business Plan***
Lucas Brown, Pharm.D. Candidate
Mentors: Tim King, Pharm.D.
Walgreens Pharmacy, Charleston, Illinois
4. ***Information Regarding Sialon Therapeutics, Inc. Business Plan***
Katie Douglas, Pharm.D. Candidate
Mentor: Mike Schultz, R.Ph.
Foundation Care Pharmacy, St. Louis, Missouri
5. ***Junior Partnership: Prescriptions Plus Pharmacy***
Leslie Harmon, Pharm.D. Candidate
Mentor: Collette Huelsman, R.Ph.
Prescription Plus Pharmacy, Troy, Illinois
6. ***Developing Employer Sponsored MTM Services with an Established Pharmacy***
Jacob Kotecki, Pharm. D. Candidate
Mentor: Janice Frueh, Pharm. D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

- 7. *Implementing Durable Medical Equipment and Medical Therapy Management Programs in Hospital-based Outpatient Pharmacy***
Brian Morris, Pharm.D. Candidate
Mentor: Brian Thompson, R.Ph.
Gateway Regional Medical Center, Granite City, Illinois
- 8. *The Medicine Man Pharmacy: A Business Plan***
Zachary Samples, Pharm.D. Candidate
Mentor: Vallery Houston, Pharm.D.
Schnucks Pharmacy, Springfield, Illinois
- 9. *A Business Plan: The Good Samaritan Hospital Anticoagulation Clinic***
Hilary Sturgeon, Pharm.D. Candidate
Mentor: Timothy Ellerman, Pharm.D.
CVS Pharmacy, Vincennes, Indiana
- 10. *MedFoodsRx.com, LLC***
Alan Stutzman, Pharm.D. Candidate
Mentor: Julie Collins, Pharm.D.
CVS Pharmacy, Swansea, Illinois
- 11. *Byrd Watson Immunization Service A Business Plan/Proposal***
Casey Robinson, Pharm.D. Candidate
Mentor: Kim Weiter, R.Ph.
Byrd Watson Pharmacy, Centralia, Illinois
- 12. *Instituting a Diabetes Self-Management Education Program***
Jacqueline Vogel, Pharm.D. Candidate
Mentor: Julia Schimmelpfenning, Pharm.D.
St. Elizabeth's Hospital, Belleville, Illinois
- 13. *Efficiency Analysis of Technetium (99mTc) Used in Radiopharmaceutical Preparation for Patient Imaging***
Renee Wallace, Pharm.D. Candidate
Mentor: Earl Robertson, Pharm.D.
Cardinal Health, St. Louis, Missouri
Best Poster – SIUE School of Pharmacy Poster Day 2012
- 14. *Implementing a Collaborative Practice Agreement with Physicians for Therapeutic Interchange of Medications: A Business Plan***
Ashley Wood, Pharm.D. Candidate
Mentor: Don Sullivan, R.Ph.
CVS Pharmacy, Edwardsville, Illinois

Surveys

- 1. *Community Pharmacists' Perceptions of Therapeutic Interchange in Community Settings***
Trevor Beal, Pharm.D. Candidate
Mentor: Renae Sanchez, R.Ph.
Walgreens Pharmacy, Springfield, Illinois

- 2. *Assessment of Health Literacy in Patients with Diabetes***
Erika Campbell, Pharm.D. Candidate
Mentor: Lakesha Butler, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

- 3. *Drug Utilization Evaluation of Therapeutic Interchange of Simvastatin 80 mg***
Ashley Chumley, Pharm.D. Candidate
Mentor: Miranda Wilhelm, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
SIUE Senior Showcase Presenter

- 4. *Physician Perception of the Initiation of a Therapeutic Interchange Program in a Community Pharmacy***
Renee Deimel, Pharm.D. Candidate
Mentor: Kim Elmore, R.Ph.
Walgreens Pharmacy, Effingham, Illinois

- 5. *Pharmacist-Conducted Home Visits: A Survey of Seniors Recently Discharged from the Hospital***
Jeffrey Denney, Pharm.D. Candidate
Mentor: Mark Ruscin, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

- 6. *Student Attitudes toward Different Active Learning Methods in Two Second-Year Pharmacy Courses***
Alex Dow, Pharm.D. Candidate
Mentors: Scott Bergman, Pharm.D. and Cathy Santanello, Ph.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

- 7. *Patient's Perception of the Roles of a Pharmacist in Patient Care in the State of Illinois***
Brandon Edwards, Pharm.D. Candidate
Mentor: Starlin Haydon-Greatting, M.S., R.Ph.
Illinois Pharmacists Association, Springfield, Illinois

- 8. *A Survey of Pharmacist's Knowledge of Celiac Disease***
Samantha Feriozzi, Pharm. D. Candidate
Mentor: Miranda Wilhelm, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

9. Heart Health Survey

Paul Gustin, Pharm. D. Candidate

Mentor: Cassandra Maynard, Pharm.D.

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

10. Complementary and Alternative Medicine Consults in the Community Pharmacy Setting

Cathryn Harness, Pharm.D. Candidate

Mentor: Erin Timpe, Pharm. D.

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

Honorable Mention – SIUE School of Pharmacy Poster Day 2012

11. Faculty, Student, and Alumni Opinions on Eliminating “D’s” From the Grading Scale at Southern Illinois University Edwardsville School of Pharmacy

Lisa Heitkamp Neyens, Pharm.D. Candidate and Julia Rhoades, Pharm.D. Candidate

Mentor: Chris Lynch, Pharm.D.

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

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12. Perceptions of Students, Standardized Patients, and Evaluators about a Performance-Based Assessment Program

Melanie Hicks, Pharm.D. Candidate

Mentor: Stacey Thacker, Pharm.D.

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

13. What Pharmacy Position Would You Choose?

Jennifer Hoene, Pharm.D. Candidate

Mentor: Beth Kaufman, R.Ph.

CVS Pharmacy, Mount Vernon, Illinois

14. Public Awareness of Acetaminophen Dosing

Katherine Holmes, Pharm.D. Candidate

Mentor: Kristol Chism, R.Ph.

Walgreens Pharmacy, St. Louis, Missouri

15. Assessment of Southern Illinois University Edwardsville School of Pharmacy Service Learning Program

Anna Hufendick, Pharm.D. Candidate

Mentor: Theresa Kerr, Pharm.D.

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

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16. The Prevalence and Perception of Improper Medication Disposal: A Survey

Alex Hunt, Pharm. D. Candidate

Mentor: Suzanne Fleming, R.Ph.

Wal-Mart Pharmacy, Litchfield, Illinois

17. *The Underutilization of Clozapine in Clinical Practice*

Anna Johnson, Pharm.D. Candidate

Mentor: Kelly Gable, Pharm.D.

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

18. *Prevalence of Depressive Symptoms and Obsessive-Compulsive Personality Traits among Pharmacy Students*

Karen Knapp Hunt, Pharm.D. Candidate

Mentors: Kelly Gable, Pharm.D.

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

19. *Improving Patient Adherence with New Prescription Counseling*

Bria Korris Sims, Pharm.D. Candidate

Mentor: JoEllen Miller, Pharm.D.

Kroger Pharmacy, Marion, Illinois

20. *Assessing Depression Severity in Patients with HIV using the Clinically Useful Depression Outcome Scale*

Blake Nestor, Pharm.D. Candidate

Mentor: Kelly Gable, Pharm.D.

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

21. *Does Pharmacy Technician Certification Improve Technicians' Efficiency in Helping Pharmacists in Community Pharmacy? Pharmacists' Opinion*

Ashish Patel, Pharm.D. Candidate

Mentor: Michael Post, Pharm.D.

Wal-Mart Pharmacy, Hendersonville, Tennessee

22. *Kicking the Habit: Which Method of Smoking Cessation Works Best?*

David Plath, Pharm.D. Candidate

Mentor: Ann Urbanowicz, Pharm.D.

Greater Houston Medical Associates Pharmacy, Houston, Texas

23. *Evaluating Caregiver Interpretation of Pediatric Medication Doses, Instructions, and Administration*

Anna-Marie Raymer, Pharm.D. Candidate

Mentor: Dan Fieker, R.Ph.

Family Care Pharmacy, Highland, Illinois

24. *Pharmacists' Perceptions of a Needle-free Vaccination Delivery Device*

Andrew Rombach, Pharm.D. Candidate

Mentor: Miranda Wilhelm, Pharm.D.

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

25. *Evaluation of Pharmacy Practice Involving Deaf Patients*

Leah Shan, Pharm.D. Candidate

Mentor: McKenzie Ferguson, Pharm.D.

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

26. *Patient Satisfaction with Pharmacist Interaction at Free Health Clinic*

Kendra Shields, Pharm.D. Candidate

Mentor: Lakesha Butler, Pharm.D.

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

27. *Health Disparities Survey*

Jessica Showen, Pharm.D. Candidate

Mentor: Cathy Santanello, Ph.D.

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

28. *Development and Implementation of a Physician Prescribing Guide for Antimicrobial Therapy*

Robert Siekerka, Pharm.D. Candidate

Mentor: Julia Schimmelpfenning, Pharm.D.

St. Elizabeth's Hospital, Belleville, Illinois

29. *Impact of Perceived Risk on Adherence with Recommended Prostate Cancer Screening Guidelines*

Kamila Truitt, Pharm.D. Candidate

Mentor: Keith Hecht, Pharm.D.

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

30. *Patient Care in the Deaf Population: A Survey of Pharmacy Students*

Jennifer Willeford, Pharm.D. Candidate

Mentor: McKenzie Ferguson, Pharm.D.

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

31. *Analysis of the Treatment of Diabetic Peripheral Neuropathy at a Free Ambulatory Health Clinic*

Sara Willenbrink, Pharm.D. Candidate

Mentor: Lakesha Butler, Pharm.D.

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

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

1. *Effect of Inter-Disciplinary Rounding on Readmission Rates of Hospitalized Medical Patients*

Shadi Al-Jureidini, Pharm.D. Candidate

Mentor: Cassandra Maynard, Pharm.D.

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

2. *Concurrent Utilization of Sleep Disorder Pharmacotherapy and Medications which Negatively Affect Sleep Architecture*

Kevin Bajer, Pharm.D. Candidate

Mentor: Chris Herndon, Pharm.D.

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

- 3. *Stroke Risk in Patients with Atrial Fibrillation and Evaluation of Current Stroke Prevention Therapy: A Retrospective Chart Review***
Rebecca Beetz, Pharm.D. Candidate
Mentor: Cassandra Maynard, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
- 4. *A Retrospective Chart Review: Frequency of Zidovudine-induced Hematologic Abnormalities***
Andrea Budde, Pharm.D. Candidate
Mentor: Miranda Nelson, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
- 5. *Evaluation of Bivalirudin Utilization in Cardiac Catheterization***
Dawn Carey, Pharm.D. Candidate
Mentor: Jing Fan, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
- 6. *A Retrospective Review of Type 2 Diabetes Management during Hospitalization Uncovers Lack of A1c Values***
Phillip Connelley, Pharm.D. Candidate
Mentor: Carrie Vogler, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
- 7. *Sepsis Protocol Review: Improving Antibiotic Administration Times***
Stephanie Cooper, Pharm.D. Candidate
Mentor: Sarah Pointer, Pharm.D.
St. John's Hospital, Springfield, Illinois
- 8. *Adherence to Asthma Controlling Medications and Use of Quick Relief Medications by Patients Enrolled in Project Concern: A Prescription Assistance Program***
Caleb Diericx, Pharm.D. Candidate
Mentor: Lisa Lubsch, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
- 9. *A Retrospective Chart Review of Voriconazole Trough Levels in Pediatric Patients***
Nicole Goeckner, Pharm.D. Candidate
Mentor: Miranda Nelson, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
- 10. *Dabigatran etexilate: A Safety Analysis***
Stasha Goodin, Pharm.D. Candidate
Mentor: Cassandra Maynard, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois
- 11. *Evaluation of Preoperative Antibiotics in a Pediatric Teaching Hospital***
Tory Gunderson, Pharm.D. Candidate
Mentor: Miranda Nelson, Pharm.D.
Southern Illinois University Edwardsville, School of Pharmacy, Edwardsville, Illinois

12. *Use of Inhaled Antibiotics in Patients Without Cystic Fibrosis*

Ashton Hullett, Pharm.D. Candidate

Mentor: Lisa Lubsch, Pharm.D.

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

Best Poster Award – SIUE School of Pharmacy Poster Day 2012

13. *Analysis of Pharmacist-delivered Diabetes Care*

Ryan Imel, Pharm.D. Candidate

Mentor: Jennifer Rosselli, Pharm.D.

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

14. *Impact of Pharmacist Participation in a BOOST Program on 30-day Readmission Rates Among Hospitalized Patients*

Elizabeth Kunz, Pharm.D. Candidate

Mentor: Mark Ruscin, Pharm. D.

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

15. *Clinical Pharmacist Managed Care of Veterans with Diabetes*

Shauna McGuire, Pharm.D. Candidate

Mentor: Sarah Connell-Robertson, Pharm.D.

Veterans Medical Center, Marion, Illinois

16. *Characteristics of Run-in Phases During a Five-Year Period*

Jacob Morgan, Pharm.D. Candidate

Mentor: McKenzie Ferguson, Pharm.D. and Erin Timpe, Pharm.D.

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

17. *Complementary and Alternative Medicine Use in Type 2 Diabetes Mellitus*

Megan Muehlenfeld Fulling, Pharm.D. Candidate

Mentor: Lakesha Butler, Pharm.D.

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

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18. *Comparison of Adverse Effects Associated with Different Dosage Regimens of Valganciclovir in Pediatric Patients*

Nicole Nesselhauf, Pharm.D. Candidate

Mentor: Miranda Nelson, Pharm.D.

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

19. *Vitamin K Prescribing Adherence to American College of Chest Physicians (ACCP) Guidelines for Warfarin Reversal*

Oscar Perez, Pharm.D. Candidate

Mentor: Jennifer Arnoldi, Pharm.D.

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

20. *Impact of Pharmacy Intern Involvement in Medication Reconciliation: A Focus on the Home Medication List*

Andrew Rakers, Pharm.D. Candidate

Mentor: Lisa Lubsch, Pharm.D.

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

21. *Investigating the Use of Addiction Treatment Medications in a Comprehensive Recovery Management Program*

Michael Schmidt, Pharm.D. Candidate

Mentor: Lisa Lubsch, Pharm.D.

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

22. *Comparison of a Pharmacist Led Vancomycin Dosing Protocol and Physician Based Vancomycin Dosing*

Samuel Schwarm, Pharm.D. Candidate

Mentor: Danielle Rahman, Pharm.D.

Gateway Regional Medical Center, Granite City, Illinois

23. *An Evaluation of Early Pain Control in Pediatric Sickle Cell Pain Crisis*

Colleen Sheehan, Pharm.D. Candidate

Mentor: Rachel Langley, Pharm.D.

St. Louis Children's Hospital, St. Louis, Missouri

24. *Effects of the Selection and Timing of Antibiotics on Outcomes in Community Acquired Bacterial Meningitis*

Jared Sheley, Pharm.D. Candidate

Mentor: Scott Bergman, Pharm.D.

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

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25. *Effects of a Risk Evaluation and Mitigation strategy (REMS) on Erythropoiesis Stimulating Agent Therapy in Cancer Patients*

Theresa Weber Matoushek, Pharm.D. Candidate

Mentor: Keith Hecht, Pharm.D.

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

26. *Antibiotic Cost-Savings Analysis of an Emergency Room Sepsis Protocol*

Edward Weiler, Pharm.D.

Mentor: Julia Schimmelpfenning, Pharm.D.

St. Elizabeth's Hospital, Belleville, Illinois

Other

1. *Developing Games for Interactive Learning in the Pharmacy Classroom*

Heidi Harshman, Pharm.D. Candidate

Mentor: Miranda Wilhelm, Pharm.D.

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

SIUE Senior Showcase Presenter

2. *Creation of a Mobile Digital Form for Objective Structured Clinical Examinations in the School of Pharmacy*

Kerry Studnicki, Pharm.D. Candidate

Mentors: Erin Timpe, Pharm.D.

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

3. *Comparing Pediatric Drug Dosing: The Harriet Lane Handbook to Lexicomp's Pediatric & Neonatal Dosage Handbook*

Haley Wray, Pharm.D. Candidate

Mentors: Lisa Lubsch, Pharm.D.

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