

Capstone Project Poster Titles 2009-2010

Bench Research

- 1. *Effects of DGAT inhibitors on triglyceride levels and lipid droplet formation in INS-1 pancreatic beta cells***
Angela Chiu and Phuong Nguyen, Pharm.D. Candidates
Mentor: Guim Kwon, Ph.D.
SIUE School of Pharmacy
- 2. *Candida Susceptibility to Fluconazole and other Antifungals***
Halley Connor, Pharm.D. Candidate
Mentor: Scott Bergman, Pharm.D., BCPS
SIUE School of Pharmacy
- 3. *Association Studies of Four Genetic Variations in Redox Enzymes in Patients with Clinical Aspirin Resistance***
Ashley Jarrett, Pharm.D. Candidate
Mentor: Ron Worthington, Ph.D.
SIUE School of Pharmacy
- 4. *Alternative Quality Control Methods for 2-Deoxy-2-[18F]-Fluoro-D-Glucose***
Philip Klostermann, Pharm.D. Candidate
Mentors: Sally Schwarz and Reiko Oyama
Mallinckrodt Institute of Radiology
St. Louis, Missouri
- 5. *Physical characterization of two polymorphs of 1,2,3,4-tetrahydro-1-[[3-(trifluoromethyl)phenyl]sulfonyl]isoquinoline***
Richard S. Walulu, Pharm.D. Candidate
Mentors: Timothy McPherson and Marcelo Nieto
SIUE School of Pharmacy
- 6. *Overlay of Possible Estrogen Receptor Ligands***
Garrett Whitt, Pharm.D. Candidate
Mentor: Marcelo Nieto, Ph.D.
SIUE School of Pharmacy

Business Plans

- 1. *The Pharmacy Business Plan***
Austin Arseneau, Pharm.D. Candidate
Mentor: Fred Moody, R.Ph.
The Pharmacy, Tuscola, Illinois

- 2. *Medication Therapy Management: Expanding Pharmacist Services to Patients in the Community***
Alison Bustard, Pharm.D. Candidate
Mentor: Rajul Gandhi, Pharm.D.
Walgreens Pharmacy, Champaign, Illinois
- 3. *Development and Implementation of a High Alert Medication Policy for a Suburban St. Louis Hospital***
Matthew Carlson, Pharm.D. Candidate
Mentor: Natalie Hayes, Pharm.D.
Memorial Hospital, Belleville, Illinois
- 4. *New Beginnings Pharmacy and Clinic***
Nichelle Hickland, Pharm.D. Candidate
Mentor: Walther Siganga, R.Ph., Ph.D.
SIUE School of Pharmacy
- 5. *Parents Guide to Potential Substances with Abuse or Addiction Potential Business Plan***
Phyllis Jones, Pharm.D. Candidate
Mentor: Lisa Lubsch, Pharm.D.
SIUE School of Pharmacy
- 6. *Instituting a Pharmacist-Run Travel Vaccination Clinic at a Community Pharmacy: A Business Plan***
Matthew Larson, Pharm.D. Candidate
Mentor: Vallery Huston, Pharm.D.
Walgreens Pharmacy, Springfield, Illinois
- 7. *Business Plan for a Placing a Delocalized Pharmacist in the Acute Medical Care and Critical Care Units***
Jennifer LeChevalier, Pharm.D. Candidate
Mentor: Brian Thompson, Pharmacy Director
Gateway Regional Medical Center, Granite City, Illinois
- 8. *MTM Business Plan***
Samantha Powell, Pharm.D. Candidate
Mentor: David Miller, R.Ph.
CVS Pharmacy, Belleville, Illinois
- 9. *Business Plan: Community Pharmacist Role in Evaluation Medications during the Transition of Care from Hospitalization to Home Care***
Carissa Runde, Pharm.D. Candidate
Mentors: Katie Ronald and Janice Frueh, Pharm.D., BCPS
SIUE School of Pharmacy
- 10. *The Implementation of Immunization Centers of Excellence by the Walgreen Company***
Bryan Schneider, Pharm.D. Candidate
Mentor: Kara Borowiak, R.Ph.
Walgreens Pharmacy, Godfrey, Illinois

- 11. Medication Disposal Program Business Plan for St. Louis County, Missouri**
Cristy Shepherd, Pharm.D. Candidate
Mentor: Teri McCullough, Pharm.D.
SIUE School of Pharmacy
- 12. A New Pharmacy Service: Bone Density Screenings in an Independent Pharmacy**
Jennifer Sommer, Pharm.D. Candidate
Mentor: Julie Hagan, R.Ph
G&O Pharmacy, Paducah, Kentucky
- 13. Pharmacist-run Lipid Management Clinic within a Rural Primary Practice Setting**
Angela Stein and Kristy Richter, Pharm.D. Candidates
Mentor: Jessica Kerr, Pharm.D.
SIUE School of Pharmacy
- 14. Diabetes Management Binder: A Practical Resource for the Pharmacist**
Matthew Von Derohe, Pharm.D. Candidate
Mentor: John Endris, R.Ph.
Complete Care Pharmacy, Springfield, Illinois

Surveys

- 1. Comparing Vita-Stat blood pressure monitor with the Mercury Sphygmomanometer**
Oluwaleke k. Ajayi, Pharm.D. Candidate
Mentor: Joseph Lask, Pharm.D.
Jewel Osco, Chicago, Illinois
- 2. Projecting Customer Benefit and Value of Medication Therapy Management in a Community Pharmacy**
Jessica O'Connell, Pharm.D. Candidate
Mentor: Mavis Smith, R.Ph.
Kmart Pharmacy, Collinsville, Illinois
- 3. Growing Our Own Pharmacists: The Impact of a Pharmacy High School Minority Summer Camp on Student's Interest in Pharmacy**
Bonnie T. Brown, Pharm.D. Candidate
Mentors: Gireesh V. Gupchup, Ph.D. and Lakesha M. Butler, Pharm.D.
SIUE School of Pharmacy
- 4. Chiropractic Treatment for Pain: Impact on Patient Medication Usage**
Allison C. Cassidy, Ph.D, Pharm.D. Candidate
Mentor: Christopher M. Herndon, Pharm.D., BCPS
SIUE School of Pharmacy

- 5. *Oncology Pharmacists' Recommendations for Empiric Antibiotic Therapy for Gram Positive Organisms in Febrile Neutropenia***
Emily Collins-Lucey, Pharm.D. Candidate
Mentor: Keith Hecht, Pharm.D., BCOP
SIUE School of Pharmacy
- 6. *Development of a Smoking Cessation Program at a Community Mental Health Center***
Jessica Emling, Pharm.D. Candidate
Mentor: Kelly Gable, Pharm.D., BCPP
SIUE School of Pharmacy
- 7. *A Survey Used to Create a Referral Tool for Pharmacy Value- Added Services***
Leland Garner, Pharm.D. Candidate
Mentor: Chris Lynch, Pharm.D.
SIUE School of Pharmacy
- 8. *Attitudes Toward International Relief Work***
Nathan Grimes, Pharm.D. Candidate
Mentor: Chris Lynch, Pharm.D.
SIUE School of Pharmacy
- 9. *Effect of Locus of Control on Chronic Migraine and Headache Patients and Increased Prevalence and Severity of Depression/Anxiety Disorders***
Matthew J. Hammer, Pharm.D. Candidate
Mentors: Timothy Smith, M.D., Robert Nicholson, Ph.D., James Banks III M.D.
Ryan Headache Center, St. Louis, Missouri
- 10. *Evaluating Perceptions of Pharmacy Students Towards Student Actors in a Pharmacy Based Physical Assessment Course Simulation***
Jenna N. Kirkpatrick, Pharm.D. Candidate
Mentors: Katherine A. Petkewicz, Stacey M. Thacker, Pharm.D.s
SIUE School of Pharmacy
- 11. *Effectiveness of Pharmacist Patient Education in a Rural Illinois Hospital***
Colt Huddleston, Pharm.D. Candidate
Mentor: Jana A. Smith, Pharm.D.
Sarah Bush Lincoln Health Center, Mattoon, Illinois
- 12. *Community Pharmacists' Understanding and Willingness to Participate in Medication Therapy Management Programs***
Jennifer Hutchison, Pharm.D. Candidate
Mentors: Katherine Petkewicz and Miranda Wilhelm, Pharm.D.s
SIUE School of Pharmacy
- 13. *Pharmacist Satisfaction Survey with the Illinois Diabetes Patient Self Management Program***
Sana Khan, Pharm.D. Candidate
Mentor: Starlin Haydon- Greatting
Illinois Pharmacist Association, Springfield, Illinois

- 14. *Diagnosis and Treatment of Depression in Patients with Diabetes Mellitus at a Free Ambulatory Health Clinic***
Hanifeh Khodaparasty, Pharm.D. Candidate
Mentor: Lakesha Butler, Pharm.D., BCPS
SIUE School of Pharmacy
- 15. *Non-Sterile Compound Prescription Documentation in the United States***
Melissa Knueven, Pharm.D. Candidate
Mentor: Tom Hunt, R.Ph.
Lindenwood Drugs, St. Louis, Missouri
- 16. *A Decentralized Approach to Hospital Pharmacy***
Dileep Kootanal, Pharm.D. Candidate
Mentor: Saifi Vohra, Pharm.D., MBA, FASCP, FASHP
Norwegian American Hospital
Chicago, Illinois
- 17. *Assessment and Treatment of Erectile Dysfunction in Men with Diabetes***
Krystal Trankle Maurer, Pharm.D. Candidate
Mentor: Lakesha Butler, Pharm.D., BCPS
SIUE School of Pharmacy
- 18. *Pharmacy Student Perspectives on Mental Illness and the Impact of a Mental Health Elective***
Katherine Muhlstadt, Pharm.D. Candidate
Mentor: Kelly Gable, Pharm.D. BCPP
SIUE School of Pharmacy
- 19. *Illinois Pharmacist's Perception of Cancer Agents***
Tom Nienhaus, Pharm.D. Candidate
Mentor: Keith Hecht, Pharm.D., BCOP
SIUE School of Pharmacy
- 20. *Recession's Impact on Patient Medication Choices***
Aijaz Patel, Pharm.D. Candidate
Mentor: McKenzie C. Ferguson, Pharm.D., BCPS
SIUE School of Pharmacy
- 21. *Behavior Modification Therapy in Insomnia Patients Who Take Sleep Medication***
Amy Reinhardt, Pharm.D. Candidate
Mentor: Brandon Frey, Pharm.D.
Schnucks Pharmacy, O'Fallon, Illinois
- 22. *Evaluation of Journal Club Experience from a Student's Perspective***
Nicole Repking, Pharm.D. Candidate
Mentor: Miranda Wilhelm, Pharm.D.
SIUE School of Pharmacy

23. 2010 Survey of SIUE Students: Current Health and Prescription Insurance Coverage

Sheena Stowell, Pharm.D. Candidate

Mentor: Chris Lynch, Pharm.D.

SIUE School of Pharmacy

24. Survey of Pharmacists Concerning the Current and Potential Pseudoephedrine Laws

Lars Vardaman, Pharm.D. Candidate

Mentor: Philip Fuller, Pharm.D.

KMart Pharmacy, St. Louis, Missouri

25. How Personal Beliefs and Current State Laws Regarding Emergency Contraception will Affect the Practicing Habits of Illinois Pharmacy Students

Jeremie Veto, Pharm.D. Candidate

Mentor: Jessica Kerr, Pharm.D.

SIUE School of Pharmacy

26. Patients' Use of Calcium and Vitamin D in Combination with Bisphosphonate Therapy for Osteoporosis

Lisa Whitson, Pharm.D. Candidate

Mentor: Miranda Wilhelm, Pharm.D.

SIUE School of Pharmacy

27. Medication Discrepancies among Older Adults Discharged from an Acute Care Setting

Ben Wunderlich, Pharm.D. Candidate

Mentor: Mark Ruscin, Pharm.D.

SIUE School of Pharmacy

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

1. Determining the Correlation between Patient Outcomes and MIC Breakpoints of Vancomycin in Patients with Methicillin-Resistant Staphylococcus Aureus Pneumonia

Tiffany Aboagye, Pharm.D. Candidate

Mentor: Danielle Rahman, Pharm.D.

Gateway Regional Medical Center, Granite City, Illinois

2. Venous thromboembolism prevention rates: Pre and post implementation of a venous thromboembolism prophylaxis protocol

Kalu O.N. Amadi, M.Sc., Pharm.D. Candidate

Mentor: Cassandra Maynard, Pharm.D.

SIUE School of Pharmacy

3. Drug Indication Performance Improvement at St. Alexius Hospital

Kevin Asbrock, Pharm.D. Candidate

Mentor: Deborah Pentland, R.Ph.

St. Alexius Hospital, St. Louis, Missouri

- 4. *Ensuring Appropriate Treatment of Blood Pressure in Nursing Home Residents with Reduced Renal Function***
Nicole Davis, Pharm.D. Candidate
Anna Thuer, R.Ph.
Alton Memorial Hospital, Alton, Illinois
- 5. *Screening and Monitoring for Metabolic Syndrome in a Psychiatric Population***
Jessica Graham, Pharm.D. Candidate
Mentor: Meike Newell, R.Ph.
St. Louis Psychiatric Rehabilitation Center, St. Louis, Missouri
- 6. *An Assessment of the Insulin Protocol within an Intensive Care Unit***
Daniel Grohmann, Pharm.D. Candidate
Mentor: Katie E. Ronald, Pharm.D., BCPS
SIUE School of Pharmacy
- 7. *Prevalence of Vitamin B12 Deficiency in Patients Presenting to a Cognitive Disorders Clinic***
Amy Halpin and Morrisa Reynolds, Pharm.D. Candidates
Mentor: J. Mark Ruscin, Pharm.D.
SIUE School of Pharmacy
- 8. *Prescribing Over the Recommended Daily Limit of Acetaminophen in Narcotic Prescriptions***
Melanie Hicks, Pharm.D.
Mentor: Lisa Kercher
Walgreens Pharmacy, Wood River, Illinois
- 9. *Staphylococcus aureus infections: an analysis of medical intensive care unit patients at a 500-bed rural teaching hospital***
Amanda M. Hofstetter, Pharm.D. Candidate
Mentor: Katie Ronald, Pharm.D., BCPS
SIUE School of Pharmacy
- 10. *Feline Upper Respiratory Infection***
Simone Hunziker, Pharm.D. Candidate
Mentor: Cathy Santanello, Ph.D.
SIUE School of Pharmacy
- 11. *Aberrant drug taking behaviors associated with opioids by patients in a large family medicine residency clinic: A retrospective chart review***
Matthew Lewis, Pharm.D. Candidate
Mentors: Chris Herndon, Pharm.D., John Chibnall, Ph.D.
SIUE School of Pharmacy, St. Louis University, St. Louis, Missouri
- 12. *Medication Therapy Assessment of Coccidiosis and Giardiasis at Metro East Humane Society***
Cole Naumann, Pharm.D. Candidate
Mentor: Cathy Santanello
SIUE School of Pharmacy

- 13. *The Impact of Antibiotic Administration Time in Sepsis Patients***
Shelley Otsuka, Pharm.D. Candidate
Mentor: Katie Ronald, Pharm.D.
SIUE School of Pharmacy
- 14. *Retrospective Study of Medication-Related Falls: Pharmacists' Role in Fall Prevention***
Sarah Paschal, Pharm.D. Candidate
Mentor: Phil Holt, R.Ph.
Massac Memorial Hospital, Metropolis, Illinois
- 15. *An Assessment of the Use of Proton Pump Inhibitors in an Inpatient Hospital Setting***
Megan Pedersen, Pharm.D. Candidate
Mentor: Jane Mondino, Pharm.D.
St. John's Hospital, Springfield, Illinois
- 16. *The Impact of a Pharmacist-Coordinated Diabetes Management Program on Clinical Outcomes in Veterans with Diabetes Mellitus***
Wendy San Diego, Pharm.D. Candidate
Mentors: Jessica Kerr, Pharm.D.
SIUE School of Pharmacy
- 17. *The Effectiveness of the Updated Glycemic Control Protocol in Medical Patients in the MICU and SICU at John Cochran VA Medical Center***
Charese Shadwick, Pharm.D. Candidate
Mentor: Kara Townsend, Pharm.D., BCPS
John Cochran VA Medical Center, St. Louis, Missouri
- 18. *Tigecycline Use and Selection of Pseudomonas Aeruginosa***
Bart A. Smith, Pharm.D. Candidate
Mentor: Scott J. Bergman, Pharm.D.
SIUE School of Pharmacy
- 19. *Examining the impact of implementing a computerized prescriber order entry system in a pediatric hospital***
Justin Stein, Pharm.D. Candidate
Mentor: Melissa Heigham, Pharm.D.
St. Louis Children's Hospital, St. Louis, Missouri
- 20. *Risk of Ischemic Stroke Associated with Concomitant Use of Clopidogrel and Proton Pump Inhibitors***
Lucas Stoller, Pharm.D. Candidate
Mentor: Jinyang Fan, Pharm.D. SIUE School of Pharmacy
- 21. *An Evaluation of Clinical Response Involving Vancomycin and Clindamycin in a Population of Pediatric Patients with Osteomyelitis***
Robert Willhoit, Pharm.D. Candidate
Mentor: Miranda Nelson, Pharm.D.
SIUE School of Pharmacy

Other

- 1. *Inverventions Made by Pharmacy Students on Advanced Pharmacy Practice Experience Rotations at a Pediatric Hospital***
Amy Borland, Pharm.D. Candidate
Mentor: Lisa Lubsch, Pharm.D., AE-C
SIUE School of Pharmacy
- 2. *Continuous Infusion Vancomycin in a Pediatric Cystic Fibrosis Exaverbation***
Amy Francis, Pharm.D. Candidate
Mentor: Lisa Lubsch, Pharm.D., AE-C
SIUE School of Pharmacy
- 3. *Protocol Development for a Managed Care Organization: Biologics for Pheumatoid Arthritis and Chrones Disease***
Abbey Manfucci, Pharm.D. Candidate
Mentor: Christopher Shain, Pharm.D.
Correctional Medical Services, St. Louis, Missouri
- 4. *Development and Pilot of a Discharge Education Checklist for Inpatient Mental Health Units to Improve and Standardize Patient Education and Increase Compliance***
Ashley Ohnemus, Pharm.D. Candidate
Mentor: Kirsten Myers, Pharm.D.
Hannibal Regional Hospital, Hannibal, Missouri