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 Pharmary 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 Ill 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. Kirpatrick, 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 Koottanal, 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 Heath 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: Jingyang 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 Rheumatoid Arthritis and Chrone’s 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