Dear Colleagues:
The Drake College of Pharmacy and Health Sciences would like to provide you with a summary of its scholarly activities for CY 2015.
Highlights of the attached report include:

- 21 Peer-Reviewed Articles
- 26 Peer-Reviewed Podium Presentations
- 35 Peer-Reviewed Posters
- 9 Invited Articles/Columns
- 24 Invited Podium Presentations
- 9 Invited Posters
- 1 Books
- 4 Book Chapters
- 37 Undergraduate/Professional Student Research Projects
- 19 New Grants/Contracts totalling $153,127

This report does not summarize the many local, regional and national service accomplishments of the faculty. Also omitted are multi-year funding with start dates prior to 2015.

Regards,
Charles R. Phillips
Assistant Dean for Assessment

Preparing today's learners to be tomorrow's health care leaders
CPhS Scholarship Summary

Calendar Year 2015:
(COMPLETE WORK)

PEER REVIEWED ARTICLES: (21)


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1 Student co-authors are underlined


Lehman NP, Bryant GA, Bender J, Koenigsfeld CF, Logemann CD, Sayler M. Left subconjunctival hemorrhage • renal dysfunction • international normalized ratio of 4.5 • Dx? J Fam Pract 2015; 64(10):E3-E4


PEER REVIEWED PODIUM PRESENTATIONS: (26)


Grady, S. “Management of Antipsychotic-induced Adverse Effects” Midwest Pharmacy Expo February 14, 2015
Gutierrez C, Ruppe E. Hands-only CPR: Assessing the impact of mini-training sessions to increase the knowledge and confidence of college students to administer care. Presented at: University of South Dakota School of Health Sciences Research Conference; April 24, 2015; Vermillion, SD.

Gutierrez C. Assessing the impact of lay patient advocate training in tribal communities. Presented at: Health Literacy Research Conference; November 2-3, 2015; Bethesda, MD.

Harrell, JW. Contribution of cyclooxygenase and reactive oxygen species to cerebral dilation in human metabolic syndrome. Presented at: Iowa Physiological Society Annual Meeting, 2015; Des Moines, IA


Lehman, Nic. Nothing as it Seems: Why am I Taking This? Presented at: Collaborative Education Institute 2015 Midwest Pharmacy Expo; Feb 14th, 2015; Des Moines, IA

Mahajan, P. 'Pharmacogenomics: A Novel Approach To Improve Health Care Outcomes' Medicap Pharmacists at GRx Holdings, West Des Moines IA; March 11, 2015.

Mahajan, P. 'Genomic technologies for Improving Health Care' Presented at the International Conference on Healthcare and Technical Research' at the Manipal Univesrity, Manipal India December 23, 2015

Mahajan, P. 'Pharmacogenomics for biologics. Presented at the Symposium on 'Emerging role of Pharmacogenomics (PGx) and Big Data on Development of Biologics' at the National Biotechnology Conference of the American Association of Pharmaceutical Scientists; June 10, 2015 at the San Francisco Marriott Marquis, San Francisco, CA


Mahajan, P. 'Pharmacogenomics: A Novel Approach To Improve Health Care Outcomes' CEI Webinar, April 16, 2015

Mengesha, A. Triggerable lipid-based local delivery of chemotherapy: Smart medical system. Presented at: 2015 FUTURE Biomedicine Symposium; July 31, 2015; University of Iowa, Iowa City, IA


Sacco J. Evolution on steroids: Dogs and their susceptibility to disease. DUSCI Seminar, Sep 18, 2015.

Stelter, N. July 2015 “Health Coaching to Improve Adherence” McKesson ideaShare Conference, San Diego, CA

Stelter, N. May 2015 “Health Coaching to Improve Adherence” McKesson Health Mart Pharmacies CE Webinar (recorded)

Wall, G. May 2015 “New Biologic Agents for Psoriasis” Presented at the Academy of Managed Care Pharmacists Annual Meeting, San Diego, CA.

Wall, G. May 2015 “New Biologic Agents for Psoriasis”. Presented at the Annual Armada Specialty Faculty Conference, Las Vegas, NV


PEER REVIEWED POSTERS: (35)


Dillon G, Drake T, and Huey KA. Exercise Attenuates Age-Associated Reductions in Muscle Strength and Cardiorespiratory Fitness in Mice. Poster presented at Experimental Biology, March 28-April 1, 2015; Boston, MA
**Dillon Krotz** and **Abebe Mengesha**, Determining the formulation of Doxazosin Mesylate and Finasteride in a single dosage form. Poster presented at: FUTURE in Biomedicine(SM) Research Symposium, July 31, 2015, Iowa City, IA.


**Huey, KA**, **Drake, T**, **Dillon, G**, and **Lee, C**. Muscular and Cardiorespiratory Adaptations to Treadmill Training with Aging are Blunted in Female Compared to Male Mice. Poster presentation at Cardiovascular, Renal and Metabolic Diseases: Physiology and Gender, November 17-20, 2015; Annapolis, MD.

**Huey, KA**, **Lee, C**, and **Breen, EC**. Effect of Myofiber VEGF Loss on Muscle Growth and Capillarity During Functional Overload in Mice. Poster presentation at American College of Sports Medicine, May 26-30, 2015; San Diego, CA.


**McLoughlin A**, **Miesner AR**, and **Lyons W**. Educating medical residents through podcasts developed by PharmD students. Poster presented at: Iowa Academy of Family Physicians Clinical Education Conference; October 31, 2015; Altoona, IA.

**Midhad Mrvoljak** and **Abebe Mengesha**, Thermal characterization of blends of monoglycerides for triggerable local drug delivery systems. Poster presented at: 127th Annual Meeting of the Iowa Academy of Science (IAS), April 17 – 18, 2015, Iowa City, IA.

**Mulla, N**, **Zaman, Rokon, Gala, Rikhav**, **Murnane, Kevin, D'Souza, Martin**. Oxytocin Loaded Nanoparticles for Reversing Cocaine Induced Changes. Poster presented at the annual meeting of the American Association of Pharmaceutical Scientists (AAPS); Oct25-29, 2015; Orlando, Florida.

**O'Brien MS**, **Gentry BG**. DNA Polymerase Inhibitors Enhance the Anti-Viral Effect of Terminase Inhibitors when used in Combination against HCMV. 28th Annual International Conference on Antiviral Research (2015).
O’Brien MS, Gentry BG, DNA Polymerase Inhibitors Enhance the Anti-Viral Effect of Terminase Inhibitors when used in Combination against HCMV. 12th Annual Drake University Conference on Undergraduate Research in the Sciences (2015).

O’Brien MS, Gentry BG, DNA Polymerase Inhibitors Enhance the Anti-Viral Effect of Terminase Inhibitors when used in Combination against HCMV. 127th Annual Meeting of the Iowa Academy of Science (2015).


Schneider LR, Kassel LE. Accepted Student Abstract/Poster Presentation: “Evaluation of Safety and Efficacy of IV Acetaminophen in Post-Cardiothoracic Surgery Patients.” Student Poster #2-144. American Society of Health-Systems Pharmacy. December 2015: New Orleans, LA.


**BOOKS CHAPTERS:** (4)


**BOOKS:** (1)


**NON-PEER REVIEWED ARTICLES:** (1)


**NON-PEER REVIEWED COLUMNS:** (8)


Bell EA. Update on antimicrobial agents and drug-drug interactions. Pharmacology Consult in: Infectious Diseases in Children 2015;28(7):15

Bell EA. Drug use in pregnancy - new drug labeling requirements. Pharmacology Consult in: Infectious Diseases in Children 2015;28(9):6-7

Bell EA. Drug safety communication - FDA evaluating risks of using in children aged 17 and younger. Infectious Diseases in Children (online):September 2015

Bell EA. FDA approves ivacaftor (Kalydeco) for another mutation. Infectious Diseases in Children (online): January 2015

INVITED/NON-REVIEWED PODIUM PRESENTATIONS (24)


Andreski, M “A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in the Community Practice to engage Community Pharmacists in Clinical Pharmacy Services in Iowa: Effects on Workplace Satisfaction” Presented to the NABP/AACP Region V District Meeting on August 8, 2015


Caligiuri FJ. “An Introduction to Medical Cannabis for Pharmacists.” Continuing Education presented October 2nd, 2015, UMKC Alumni Weekend, UMKC Health Sciences Building, Kansas City, Missouri. [Invited CE presentation]

Caligiuri FJ. “Medical Cannabis: The Scheduling Dilemma” Public forum held by Iowans for Medical Marijuana. Presented October 31st, 2015 in Mickle Center Community Room, Des Moines, Iowa. [Invited presentation]

Caligiuri FJ. “The Times They Area A-Changin’: An Introduction to Medical Cannabis.” Case Management Continuing Education presented October 9th, 2015, Sowing the Seeds of Case Management, Greater Des Moines Botanical Garden in Des Moines, Iowa. [Invited CE presentation]


Drake University Community Engagement: Choose to Make the Connection, Panel Speaker, Drake University Learning Symposium, West Des Moines, Iowa, August 21, 2015. Speakers: Sedlacek R, Clarke C, Lee E, Adams C


Gutierrez C. Excellence in academic advising and mentoring: Accelerate into health care with Health Sciences at Drake. Presented as part of the Excellence in Academic Advising Series with CPHS at Drake University. Des Moines, IA. November 2015.

Koenigsfeld, C. APhA Cardiovascular Certificate Program, one of two speakers for 10 hour program-Quantity 2 programs delivered

Koenigsfeld, C. APhA Diabetes Certificate Program, one of two speakers for a 10 hour program-Quantity 4 programs delivered

Koenigsfeld, C. APhA Immunization Certificate Program, one of two speakers for a 10 hour program-Quantity 1 program delivered

Mengesha, A. Triggerable lipid-based local delivery of chemotherapy: Smart medical system. Invited speaker at Iowa Microscopy Society, Fall Meeting; Oct. 16, 2015; Iowa City, IA.

Mulla N, Novel Particulate vaccine delivery systems, Presented at University of Iowa, January 15th 2016.

Mulla N, Ouch- free vaccines- Designing the next generation of vaccine delivery techniques, Presented at Drake University on November 11th 2015.

Percival KM. “Antibiotic Review.” Internal Medicine Noon Conference Series. Mercy Medical Center, Des Moines, IA. August 2015


Ulrich EE, Funk A. Preparing for the MPJE, Invited Speaker at Iowa Pharmacy Expo, Feb 2015: Des Moines, IA

Ulrich EE. Introduction to Health Service Research, Invited Speaker at Pharmacy and Health Sciences Day, May 2015: Des Moines, IA


**INVITED/NON-REVIEWED POSTER PRESENTATIONS (9)**


Kessinger H. and Abebe Mengesha, Influence of moisture on the thermal behavior of binary mixtures of monoglycerides for thermoresponse drug delivery systems. Poster presented at: 12th Annual Drake University Conference on Undergraduate Research in the Sciences (DUCURS), April 16, 2015; Des Moines, IA.

Langreck, C., Lothspeich, S., Wrenn C.C. Does maternal genistein impair non-spatial hippocampal-dependent memory in adulthood? DUCURS, April, 2015.

Miesner AR and Schrieber A. Periprocedural antithrombotic practices among Iowa dental professionals: A survey and educational intervention. Poster presented at: Iowa Pharmacy Association Annual Meeting; June 12, 2015; Coralville, IA.

Mrvoljak M and Abebe Mengesha, Thermal characterization of blends of monoglycerides for triggerable local drug delivery systems. Poster presented at: 12th Annual Drake University Conference on Undergraduate Research in the Sciences (DUCURS), April 16, 2015; Des Moines, IA.


TECHNICAL OR CONSULTANT REPORTS: (10)


Andreski, M, “A Revised Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy: A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa” Phase II Quarterly Report. Presented to Iowa Board of Pharmacy on April 19, 2015. Sponsored by Iowa Pharmacy Association.

Andreski, M, “A Revised Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy: A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa” Special Interim Report. Presented to Iowa Board of Pharmacy on January 5, 2015. Sponsored by Iowa Pharmacy Association.

Andreski, M, “Identifying Pharmacy Service Opportunities” at Iowa New Practice Model Phase I Pharmacy Meeting. IPA on Jan 20, 2015


Mobley-Bukstein, W; Medication Therapy Management Primer for the Pharmacy Technician. TEAM Continuing Education Monograph for the Collaborative Education Institute, December 2015.

Ulrich EE. Flipping a Pharmacy Law Class, Invited Online Lecture for South Carolina College of Pharmacy Curriculum Taskforce, Feb 2015

Yetman R, Ancona R, Bell E, et al. The burdens of head lice infestations on the child, the family, the school, and the community. Roundtable Proceedings, July 2015 (sponsored by Sanofi Pasteur, Inc.)
Title: “A New Practice Model for Community Pharmacy-A Demonstration Project to Study the Effects of Implementing Tech-Check-Tech Programs in Community Practice to Engage Community Pharmacists in Clinical Pharmacy Services in Iowa”
Start Dates/Completion: 2015-2016
Sponsor: Telligen Community Initiative
Direct Costs: $26,500 allocation to perform Funding to supplement NACDS funding.
Role: Andreski, M. Primary Investigator

Title: “Assessment of Readiness of Iowa Pharmacies to Provide ACA Supported Patient Care Initiatives”
Sponsor: Iowa Department of Public Health Co-investigator with Iowa Pharmacy Foundation
Start Dates: 2015
Direct Costs: $2,000
Role: Andreski, M. Co-investigator

Title: Next Top Entrepreneur Competition
Sponsor: Target
Start Date/Completion (2015 for Feb. 2016)
Direct Costs - $3,000
Role: Chesnut R. PI

Title: Impact of sedentary time accumulation of cerebrovascular reactivity
Sponsor: NASA Iowa Space Grant Consortium
Start Dates/End dates: 10/01/2015 - 5/31/2016
Direct Costs: $10,000
Role: Harrel, J. Principal Investigator

Title: Prescribing patterns for canagliflozin (Invokana) in a specialty endocrinology group practice: Patient characteristics and outcomes.
Sponsor: Janssen Pharmaceuticals, Health Economics and Outcomes Research Division.
Start Date: July 1, 2015
Direct Costs: $31,200.
Role: Johnson, JF. Principal Investigator.

Title: Centralized Medication Management Across the Care Continuum
Sponsor: National Association of Chain Drug Stores (NACDS) Foundation
Start date/completion date: 6-1-2015 to 5-31-2016
Direct Costs: $20,000
Role: Kjos, A. Principle Investigator, Maki, E. Co-investigator
Title: Visiting Fellow, 2015 FUTURE in BiomedicineSM Program. The University of Iowa, Carver College of Medicine
Sponsor: FUTURE in Biomedicine(SM) Program
Start date/completion date: May 27, 2015 – July 31, 2015
Direct cost: $1,000.00
Role: Mengesha, A. Principle Investigator

Intramural: (12)
Title: Proposal to fund Certified Culinary Medicine Specialist (CCMS) coursework and curriculum to expand IPE efforts.
Sponsor: Jorndt Grant Support
Start Date: June 2015 to June 2016
Direct Costs: $4000 for certification and 1 year of curriculum content
Role: Caligiuri F. Principle Investigator - Professional Development;

Title: Walking in their Shoes: Impact of a Poverty Simulation Exercise on Pharmacy Student Attitudes Toward Poverty
Sponsor: Harris Research Endowment, College of Pharmacy and Health Sciences
Start date/completion date: June 2015 – July 2015
Direct Costs: $600
Role: Clarke, C. Principal investigator with Sedlacek RK, Watson SB, Domagalski BM

Title: Elder Concerns Calendars
Sponsor: Drake University Service-Learning Mini-Grant
Start date/completion date: November 2015 – present
Direct Costs: $300
Role: Clarke, C. Faculty Investigator with Student Investigator Banks B

Title: Assessing, Collaborating, and Empowering to Improve Water Quality in Rural Uganda
Sponsor: Nelson Institute Global Pressing Issues Grant, Drake University
Award Date: December 2015 / Start Date/Completion Date: January 2016-December 2017
Direct Costs: $30,000
Role: Gutierrez, C. Principal Investigator

Title: Impact of physical activity accumulation on cerebrovascular function
Sponsor: Drake University Research Grant
Start Dates/End dates: 07/01/2015 - 06/30/2016
Direct Costs: $3,000
Role: Harrell, J Principal Investigator
Title: Institute for Teaching and Learning
Sponsor: Drake Faculty Development Grant
Start Dates: November 2015-June 2016
Direct Costs: $1500
Role: **Huey, K.** Principal investigator

Title: Institute for Teaching and Learning
Sponsor: Drake Jordnt Grant
Start Dates/Completion: November 2015-June 2016
Direct Costs: $500
Role: **Huey, K.** Principal investigator

Title: Developing a Social Support Index for Older Americans’ Health Outcomes
Sponsor: Drake University Research Grant Program
Start date/completion date: 7-1-2015 to 6-30-2016
Direct Costs: $3,000
Role: **Kjos, A., Ulrich, E.** Co-investigator

Title: “Effects of Antipsychotics on DNA methylation”.
Sponsor: Harris Research Endowment, College of Pharmacy & Health Sciences
Direct Costs: $10,930
Role: **Mahajan, P., Grady, S.** Co-PI

Title: Funding to attend and present poster at the 2015 AAPS Annual Scientific Conference and Exposition
Sponsor: Jorndt Faculty Development Award
Start date/completion date: October 2015
Direct cost: $1,000.00
Role: **Mengesha, A.** Principle Investigator

Title: Discovery of genetic risk factors for aggression in dogs
Sponsor: Drake Research Grant
Dates: 7-1-2015 to 5-30-16
Direct Costs: $2,945
Role: **Sacco, J.** Principal Investigator

Title: Discovery of genetic risk factors for aggression in dogs
Sponsor: Harris Research Endowment
Start Dates: 12-11-15 to 5-30-16
Direct Costs: $1,652
Role: **Sacco, J.** Principal Investigator
UNDERGRADUATE RESEARCH PROJECTS: (37)

Amber Amick (HSCI)
**Mentor: Craige Wrenn**
Effects of maternal genistein on non-spatial hippocampal memory
Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU

Jason Babcock (PharmD),
**Mentor: Abebe Mengesha**
Development and stability studies of doxazosin and finasteride combination compounded capsules.

Danielle Buettner, HSCI
**Mentor: Kim Huey**
Effects of Different Exercise Programs on Muscle Strength and Balance
Plans to present at DUCURS 2016

Gabrielle Dillon, HSCI
**Mentor: Kim Huey**
Prescribed and Voluntary Exercise Attenuate Age-Associated Reductions in Muscle Strength and Cardiorespiratory Fitness in Mice.
Experimental Biology (March 2015), DUCURS (April 2015)

Ty Drake, PharmD
**Mentor: Kim Huey**
Prescribed and Voluntary Exercise Attenuate Age-Associated Reductions in Muscle Strength and Cardiorespiratory Fitness in Mice.
Experimental Biology (March 2015), DUCURS (April 2015)

Brad Duwe, HSCI
**Mentor: Kim Huey**
Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Females
DUCURS poster (April 2015)

Andie Fothergill, Health Sciences at USD & Nate Warwick, Health Sciences at USD
**Mentor: Cassity Gutierrez**
Female Genital Mutilation in Tanzania: A Policy Brief with Prevention Strategies
Products: Poster Presentation at USD IdeaFest (April 2015)

J. Taylor Gartshore, Health Sciences
**Mentor: John Harrell**
Senior Capstone Student
No products, yet.

Amanda Hoerres (PharmD) and Jeannine Marie Malinao (HS-C)
Research Mentor: **Mentor: Abebe Mengesha and Dr. Pramod Mahajan**
Evaluation of the cytotoxicity of oleic acid-modified iron oxide (OA-Fe3O4) nanoparticles using in vitro assays on HTB-19 mammary carcinoma cells. (, Co-PI).

Kelsey Japs (P3) and Erica Truong (P3)
**Mentor: John Rovers**
Survey of health care student volunteers on a medical service experience: a mixed methods study
Products: Poster presentation October 2015 at Heartland Global Health Consortium AND manuscript submitted to Journal of Studies in International Education

Kelsey Japs (PharmD)
**Mentor: Andrea Kjos**
“Developing a Social Support Index for Older Americans’ Healthcare Utilization”
Product: Abstract Accepted to the International Social Pharmacy Workshop (to be in Aug 2016)

Tess Johnson, Health Sciences at USD, Brant Riley Haase, Health Sciences at USD, Kasha Meyer, Health Sciences at USD
**Mentor: Cassity Gutierrez**
Issues in Public Health: United States Measles Outbreak and Immunization Concerns
Poster Presentation at USD IdeaFest (April 2015)

Vaibhav Kadakia (PharmD)
**Mentor: Erin Ulrich**
Quantifying the relationship between length of time of diabetic treatment and medication beliefs in older Americans.
Manuscript submitted to Innovations in Pharmacy in Jan 2016.

Dillon Krotz (JR, AS)
**Mentor: Abebe Mengesha**

Cory Langreck (HSCI)
**Mentor: Craige Wrenn**
Effects of maternal genistein on socially transmitted olfactory memory
Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU Research Symposium

Emily Larsen, HSCI
**Mentor: Kim Huey**
Effects of Different Exercise Programs on Muscle Strength and Balance
Plans to present at DUCURS 2016 and ACSM 2016

Hayley LeBlanc (Neuroscience)
**Mentor: Craige Wrenn**
Effects of maternal genistein on non-spatial hippocampal memory
Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU Research Symposium

Sarah Lothspeich (Pre-Pharm)
**Mentor: Craige Wrenn**
Effects of maternal genistein on non-spatial hippocampal memory
Product: DUCURS poster, poster at the annual meeting of the Society for Neuroscience, poster at DMU Research Symposium

Xinjian (Jeff) Lu (HSCI)
**Mentor: Bob Soltis**
Educating college students on health related issues.
Issues in HSCI Poster Session (April 2015)

Research Symposium
Wesley Lyons, BS-Health Sciences
**Mentor: Andrew Miesner**
Educating Medical Residents through Podcasts Created by PharmD Students
HS Capstone poster session (May 2015); Iowa Academy of Family Practice poster session (October 2015); pending manuscript

Michelle Mages (PharmD)
**Mentor: Andrea Kjos**
“Developing an Academic Community Partnership: Addressing Asthma Disparities in Young Children”
Product: Grant submission experience

Scott Morrett, Zachary Pape (PharmD)
**Mentor: Erin Ulrich**
The Potential Impacts of “Provider Status” in Iowa: Perceived Changes in Provision of Clinical Services and Barriers to Implementation.

Midhad Mrvoljak (HS-C)
**Mentor: Abebe Mengesha**
Effect of Temperature on Glyceryl Monooleate and Glyceryl Monostearate.
127th Annual Meeting of the Iowa Academy of Science, IAS poster (April, 2015); DUCURS poster (April, 2015).

Molly Obermark (P3)
**Mentor: Ginelle Bryant**
Retrospective Evaluation of ASCVD Risk and Statin Therapy Need in Non-Diabetic patients based on the 2013 ACC/AHA Cholesterol Guidelines.
Product(s): Manuscript submitted to J Pharm Pract in August 2015

Michael Ohman, (PharmD)
**Mentor: James Sacco**
Discovery of novel genetic variants in the canine MAOA gene promoter
DMU Research Conference poster (Dec 2015)

Tessa Raml, Health Sciences at USD, Samra Eiler, Health Sciences at USD, Emilee Dannen, Health Sciences at USD, Steven Afryl, Health Sciences at USD, Whitley Falor, Health Sciences at USD, Amanda Nelson, Health Sciences at USD, Lindsey Montileaux, Biomedical Sciences at USD, Cynthia Granum, Health Sciences at USD
**Mentor: Cassity Gutierrez**
Skin Cancer Awareness Revolution (SCAR): An Implementation of a Public Health Promotion Project at USD
Product: Podium Panel Presentation at USD IdeaFest (April 2015)

Caitlin Robertson (P4)
**Mentor: John Rovers**
A drug procurement, storage and distribution model in public hospitals in a developing country
Product: Published article in RSAP
Natalie Roy (PharmD)
**Mentor: Erin Ulrich**
Quantifying the relationship between patient characteristics and involvement in developing and implementation of a treatment plan.

Eric Rupe, Health Sciences at the University of South Dakota & Cody Reed, Sociology at USD
**Mentor: Cassity Gutierrez**
Hands-only CPR: Assessing the impact of mini-training sessions to increase the knowledge and confidence of college students to administer care
Products: Podium Presentation at USD School of Health Sciences Annual Research Conference (April 2015); Poster Presentation at USD IdeaFest (April 2015)

Andrew Rupli, (PharmD)
**Mentor: James Sacco**
Expression of Glutathione-S-transferases in different canine tissues
Discovery of novel genetic variants in the canine MAOA gene promoter
EXPECTED: Iowa Academy of Sciences poster (April 2016)

Anna Shapiro1, Rachel Shapiro1, Faith Wilson1, Amy Patel1, Emilie Hulse1, Connor Littlefield1, Maddie Green1, Paul Akpan1, Holly Showalter1, Ph.D., (1Waukee APEX, Waukee High School)
**Mentor: Pramod Mahajan2, Ph.D.**
Teen Tanning Study: Waukee High School Students’ Understanding of the Benefits and Hazards of Tanning Practices
Product: Moines, IA (Poster presented at the Des Moines University Research Symposium on December 3, 2015.

Paul Skonieczny, Health Sciences
**Mentor: James Sacco**
Discovery of novel genetic variants in the canine MAOA gene
EXPECTED: DUCURS poster (April 2016)

Annie Stella (PharmD)
**Mentor: Andrea Kjos**
“Developing an Academic Community Partnership: Addressing Asthma Disparities in Young Children”
Product: Grant submission experience
HSCI Senior Capstone Project

Hannah Stonewall (PharmD)
**Mentor: Erin Ulrich**
Quantifying Predictors of Hospitalization and Length of Stay Utilizing the Nationally-representative Health and Retirement Study.

Keller Toral, Health Sciences
**Mentor: James Sacco**
Amplification and Sequencing of canine GST-P gene and transcript(s)
Isolation and sequencing of ovine SULT1E1 mRNA
DUCURS poster (April 2015)
Research Symposium
Eric Williams, BS-Health Sciences
**Mentor: Andrew Miesner**
Pimping in Pharmacy Education: A Survey on a Teaching-By-Questioning Method pending

Di Zhang, (HSCI)
**Mentor: R. Torry and R. Beemer**
Muscle activity and wrist movement during piano performance.
Product: Poster at Conference on Undergraduate Research in the Sciences (DUCURS), Drake University, April 16, 2015.

**JOURNAL REVIEWING ACTIVITIES:**
American Journal of Health-Systems Pharmacy, M. Andreski
American Journal of Physiology: Endocrinology and Metabolism, K. Huey
Annals of Allergy, Asthma, and Immunology, G. Wall
Annals of Pharmacotherapy, G. Wall, M. Bottenberg, E. Bell
Antibiotics, G. Wall
Cell Biochemistry and Biophysics, P. Mahajan
Clinical and Experimental Allergy, G. Wall
Currents in Pharmacy Teaching and Learning, J. Johnson, F. Caligiuri, S. Grady, M. Bottenberg, C. Phillips, B. Soltis
Eastern Mediterranean Health Journal, J. Rovers
Endocrinologic and Rheumatologic Care, W. Mobley-Bukstein
Expert Opinion on Drug Safety, G. Bryant
Frontiers in Physiology, K. Huey
Future Medicine: Pharmacogenomics, P. Mahajan
International Journal of Pharmacy Practice, G. Wall
Journal of Applied Physiology, K. Huey
Journal of Cellular Biochemistry, P. Mahajan
Journal of Health Care for the Poor and Underserved, S. Haack
Journal of Inflammation, P. Mahajan
Journal of Pediatric Pharmacology and Therapeutics, E. Bell
Journal of Pharmaceutical Sciences, A. Mengesha
Journal of Pharmacy Practice, K. Percival, N. Lehman
Journal of Pharmacy Teaching, R. Chesnut
Journal of the American Pharmacists Association, C. Koenigsfeld, J. Rovers, A. Kjos
Journal of the Iowa Pharmacy Association, M. Bottenberg
Journal of the Scholarship of Teaching and Learning, E. Dy-Boarman
LifeSci Teaching Resource Center, K. Huey
Medicine and Science in Sports and Exercise, J. Harrell
Muscle Nerve, K. Huey
Pharmacotherapy, G. Wall, E. Bell
Physical Therapy and Occupational Therapy in Gerontology, A. Burkhardt
Physiology and Behavior, K. Huey
PLOS ONE, J. Sacco
Research in Social and Administrative Pharmacy, E. Ulrich
US Pharmacist, L. Kassel

REVIEWERS FOR PODIUM or POSTER SESSIONS:
ASCP 2015 Annual Meeting, Posters, K. Meyer
AAPS 2015 Annual Meeting and Exposition, A. Mengesha, P. Mahajan
American Pharmacists Association, APRS-ESAS section, A. Kjos
American Pharmacists Association, APPM Poster submissions, 2015, C. Clarke
Central States Chapter of the Society of Toxicology Annual Meeting, Posters, J. Sacco
CPHS Health Sciences Capstone Research presentations, Posters K. Percival, R. Torry
CPHS Student Leadership Development Series Posters, C. Phillips
Des Moines University Research Conference, Posters, J. Sacco
Des Moines University Research Symposium, Graduate/Post-Doc competition, R. Torry
DUCURS, Posters, J. Sacco, K. Huey
University of South Dakota School of Health Sciences Annual Research Day. Posters, C. Gutierrez
University of South Dakota School of Health Sciences Annual Research Day, Podiums, C. Gutierrez

REVIEWERS FOR GRANTS/AWARDS:
AACP New Investigator Award Application Reviewer 2015-2016, G. Bryant, A. Mengesha
APhA Foundation Incentive Grant Program, 2015, C. Clarke
University of South Dakota, School of Health Sciences Seed Grant, C. Gutierrez
Health Sciences panel of the National Research Foundation, Republic of South Africa, P. Mahajan

CURRENT PROFESSIONAL MEMBERSHIPS:
Academy of Managed Care Pharmacy (AMCP)
American Association for Advancement of Science (AAAS)
American Association of Colleges of Pharmacy (AACP)
American Association of Diabetes Educators (AADE)
American Association of Pharmaceutical Scientists (AAPS)
American Chemical Society
American College Clinical Pharmacy (ACCP)
American College of Sports Medicine
American Diabetes Association (ADA)
American Heart Association
American Institute of the History of Pharmacy
American Occupational Therapy Association (AOTA)
American Pharmacists Association (APhA)
American Physiological Society (APS)
American Society for Microbiology
American Society for Pharmacology & Experimental Therapeutics
<table>
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<th>Organization Name</th>
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<tbody>
<tr>
<td>American Society of Biochemistry &amp; Molecular Biology (ASBMB)</td>
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<tr>
<td>American Society of Health Systems Pharmacy (ASHP)</td>
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<td>American Society of Microbiology</td>
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<tr>
<td>American Society of Pharmacology and Experimental Therapeutics</td>
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