Dear Colleagues:

The Drake College of Pharmacy and Health Sciences would like to provide you with a summary of its scholarly activities for CY 2014.

Highlights of the attached report include:

- 22 Peer-Reviewed Articles
- 11 Peer-Reviewed Podium Presentations
- 22 Peer-Reviewed Posters
- 12 Invited Articles/Columns
- 47 Invited Podium Presentations
- 12 Invited Posters
- 2 Books
- 2 Book Chapters
- 37 Undergraduate/Professional Student Research Projects
- 23 New Grants/Contracts totalling $442,430

This report does not summarize the many local, regional and national service accomplishments of the faculty. Included in those efforts are patient care services and other professional service efforts provided by the faculty. The faculty remains committed to pharmacy education and enhancing the quality of student graduates through classroom and experiential learning.

Regards,
Charles R. Phillips
Assistant Dean for Assessment

Preparing today's learners to be tomorrow's health care leaders
**Peer Reviewed Articles**


**Arroyo J, M Price, S Straszewski-Chavez, RJ Torry, G Mor, DS Torry.** XIAP protein is induced by Placenta Growth Factor (PIGF) and decreased during preeclampsia in trophoblast cells. Systems Biology in Reproductive Medicine, Oct; 60(5): 263-73, 2014.


---

1 Student co-authors are underlined
2014 SCHOLARSHIP REPORT

Rovers J, Michael Andreski, John Gitua, Abdoulaye Bagayoko and Jill DeVore. Expanding the scope of medical mission volunteer groups to include a research component: the launch of Globalization and Health. Globalization and Health, 10:7 (20 Feb 2014)

Rovers J. Interview with the medicine man: A case study of a traditional Malian healer. INNOVATIONS in Pharmacy. 2014; 5(3).


Rovers J. Interview with the medicine man: A case study of a traditional Malian healer. INNOVATIONS in Pharmacy. 2014; 5(3).

PEER REVIEWED PODIUM PRESENTATIONS: (11)


Sauer H., presenter: Dr. Marie Nguyen and Dr. Brian Gentry (co-authors). Biosynthesis of MBX-2168 Triphosphate in Herpes Virus-Infected Cells. DMU Research Symposium, Des Moines University, Des Moines, IA (2014).


Stelter, N. July 2014. “Coaching at the Counter... Opportunities for Enhancing Communication with a Patient-Centered Approach”, McKesson IdeaShare Conference, Orlando, FL.

Stelter, N. July 2014. “Integration of Interprofessional Practice and Education in a Supermarket-Based Lifestyle Modification Class”, American Association of Colleges of Pharmacy Annual Meeting, Dallas, TX.


2014 Scholarship Report

Wall G. “The Emerging Role of the Pharmacist in the Optimal Clinical Management of Chronic Disease”. Presented at the first annual PharmEdge Symposium, Abu Dhabi, UAE. September 2014

Peer Reviewed Posters: (22)


Gentry BG, Drach JC, Biosynthesis and Degradation of the Triphosphates of Cyclopropavir and Ganciclovir in Human Cytomegalovirus Infected Cells. 27th Annual International Conference on Antiviral Research (2014).


Hannah Stonewall and Abebe Mengesha. Effect of moisture on the crystalline structure of pure monoglycerides. Abstract and poster presented at: 126th Annual Meeting of the Iowa Academy of Science (IAS); April 11 - 12, 2014; Fort Dodge, IA.


Huey, K.A., Smith, S., and Breen, EC. Effects of VGF loss on muscle hypertrophy and growth factor responses induced by functional overload in mice. Integrative Physiology of Exercise Meeting, September 17-20, 2014, Miami, FL.


2014 SCHOLARSHIP REPORT


**Phillips CR, Chesnut RJ.** Determining perceived stress levels, triggers, and coping mechanisms for faculty, students, and staff. 2014 AACP Annual Meeting, Grapevine, TX.


NON-PEER REVIEWED ARTICLES: (2)


Mobley-Bukstein, W; Arndorfer, AA; The Role of the Pharmacy Technician in Patient Care Services. TEAM Continuing Education Monograph for the Collaborative Education Institute, December 2014.

NON-PEER REVIEWED COLUMNS: (10)

Bell EA. What's in a dose - perhaps not what you think. Infectious Diseases in Children 2014;26(8):12

Bell EA. Antiviral agents for herpes simplex infection. Infectious Diseases in Children 2014;26(7):25

Bell EA. Azithromycin - what is its role? Infectious Diseases in Children 2014;26(6):14

Bell EA. Antibiotic prescribing habits - how are we doing? Infectious Diseases in Children 2014;26(5):17

Bell EA. Ototopical antibiotics - when should they be used? Infectious Diseases in Children 2014;26(3):22

Bell EA. Vaccine errors. Infectious Diseases in Children 2014;26(3):18
2014 SCHOLARSHIP REPORT

Bell EA. How sweet it is - honey as medicine. Infectious Diseases in Children 2014;27(2):7

Bell EA. Black box and other drug warnings – what to they mean? Infectious Diseases in Children 2014;27(1):16


Phillips, CR. Building a Culture of Assessment. AACP Assessment SIG Newsletter 2(1), Spring 2014.

INVITED/NON-REVIEWED PODIUM PRESENTATIONS (47)

Andreski, M, Myers, M, Pudlo A. Presentation to the Iowa Board of Pharmacy for Research Approval for Iowa New Practice Model, August 28, 2014 (regional)

Andreski, M, Myers, M, Pudlo A. Presentation to the Iowa Board of Pharmacy for Quarterly Report for Iowa New Practice Model, November 19, 2014 (regional)


Bottenberg MM. A Paradigm Shift in Cholesterol Management: A Review of the New Cholesterol Treatment Guideline.” Drake’s Back to School Webinar Series Get a Grip on the Guidelines, Collaborative Education Institute, Des Moines, IA, September 2014. (regional)

Caligiuri F. “Medical Cannabis: A Focus on Pain and Palliation” Nursing Continuing Education presented October 31st, 2014, Advancements in Pain Management and Palliative Care, Mercy Medical Center in Des Moines, Iowa. (local)


Dy-Boarman EA. Updates on the Management of Atrial Fibrillation. Presented at: Get a Grip on the Guidelines: Drake's Back to School Webinar Series, The Collaborative Education Institute; September 18, 2014; Des Moines, IA. (regional)

2014 Scholarship Report


Koenigsfeld C. APhA Diabetes Certificate Program, National Program Austin, Texas November 2014 (national)


Koenigsfeld C. APhA Diabetes Certificate Program, National Program San Francisco, California, May 2014 (national)

Koenigsfeld C. APhA Diabetes Certificate Program, National Program Charlotte, North Carolina November 2014 (national)

Koenigsfeld C. APhA Immunization Certificate Program, National Program Columbia, South Carolina October 2014 (national)

Koenigsfeld C. APhA Immunization Certificate Program, National Program Fort Lauderdale, Florida Set 2014 (national)


Koenigsfeld C. APhA Immunization Certificate Program, National Program Austin, Texas October 2014 (national)

Koenigsfeld C. APhA Immunization Train the Trainer Program, Walmart Pharmay, Dallas, TX, April 2014 (national)

Koenigsfeld C. APhA Immunization Train the Trainer Program, Walmart Pharmacy, Dallas, TX, February 2014 (national)

Koenigsfeld C. APhA Immunization Train the Trainer Program, University of Kansas, Lawrence, Kansas December 2014 (national)

Koenigsfeld C. APhA Immunization Train the Trainer Program, University of Houston, Houston, TX December 2014 (national)

Mahajan, Pramod B. Invited speaker at the Fall 2014 Educational Meeting of the Iowa Association of Nurse Anesthetists, Saturday Sept. 27, 2014; Des Moines (regional)


Meyer KS. “Polypharmacy: Are you a Contributor?” Iowa Physician Assistant Society Annual Meeting, West Des Moines, Iowa, April 2014. (regional)

Miesner AR. Clostridium Difficile Infection: An Update on Treatment. Presented at the Central Iowa Pharmacy Association monthly meeting. September 2014. (regional)

Mobley-Bukstein, WS. “Intro to Team Based Learning” Phi Lambda Sigma and Rho Chi meeting for P2 students; November 2014. (local)

Mulhausen P, Lehman NP, Wills J. Understanding Warfarin and its Management in Long Term Care. Webinar for Leading Age Iowa, April 18, 2014. (regional)
2014 SCHOLARSHIP REPORT

**Percival KM.** “Antibiotic Review.” Internal Medicine Noon Conference Series. Mercy Medical Center, Des Moines, IA. December 2014. (local)

**Percival, KM.** “Pharmacist Role in the Treatment of Patients with HIV/AIDS.” Drake University SNAPhA, World’s IDS Day Speaker. Drake University, Des Moines, IA. November 2014 (local)

**Phillips CR.** This I Believe… Key Leadership Characteristics. 2013-4 Student Leadership Development Series, Drake University College of Pharmacy and Health Sciences, April 11, 2014. (local)

**Phillips CR.** Primer on Creating Surveys. 2014-15 Student Leadership Development Series, Drake University College of Pharmacy and Health Sciences, October 24, 2014. (local)

**Stelter, N.** “Maintaining Access to Lives for Retail Pharmacies by Providing Quality Care” Health Mart Pharmacies, Minneapolis, MN, March 2014 (national)

**Stelter, N.** “Maintaining Access to Lives for Retail Pharmacies by Providing Quality Care” Health Mart Pharmacies, Omaha, NE, March 2014 (national)

**Stelter, N.** February 2014. “Creating Your Personal Brand to Stand Out from the Crowd”, Midwest Pharmacy Expo, Altoona, IA (regional)

**Stelter, N.** March 2014. “Coaching at the Counter... Opportunities for Enhancing Communication with a Patient-Centered Approach”, McKesson Health Mart Pharmacies CE Webinar (national)

**Ulrich EE.** How to Develop a Research Question, Drake CPHS Student Leadership Development Series, September 26, 2014. (local)

**Ulrich EE.** Introduction to Research Methods, Drake CPHS New Faculty Seminar; October 9, 2014. (local)

**Wall G.** Battle of the Guidelines: JNC 8 VS ASH for Hypertension Treatment. Grand Rounds at Iowa Methodist Medical Center, February 2014 (local)

**Welty, T.** “The treatment of epilepsy.” Dali University, Dali, Yunnan, China, March 2014. (local)

**INVITED/NON-REVIEWED POSTER PRESENTATIONS (12)**


Brad Duwe and Kimberly Huey (Mentor). Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Females. Des Moines University Research Symposium, December 2014. (local)


2014 Scholarship Report

Kochanski JJ, Sacco JC. Sequencing and in-silico analysis of canine GSTA1 and GSTM1 genes and transcript(s). Poster presented at the 11th Annual Drake University Conference on Undergraduate Research in the Sciences (DUCURS), Des Moines, IA, April 10th, 2014. Winning poster. (local)

O’Brien MS, Gentry BG. DNA Polymerase Inhibitors Enhance the Anti-Viral Effect of Terminase Inhibitors when used in Combination against HCMV. Des Moines University Research Symposium (2014). (local)

Toral KJ, Sacco JC. Identification and Sequencing of the GSTP1 gene and transcript(s) in dogs. Poster presented at the 2014 Des Moines University Research Symposium, Des Moines, IA, December 4th, 2014. Winning poster in the biomedical research category. (local)


Technical or Consultant Reports: (1)

Rovers JP, Kjos A. Consultant's report to Hanoi University of Pharmacy on Curricular Change. May 2014

Books Chapters: (2)


Books: (2)

Ihrig TI, Wall GC. Palliative Care and Symptom Management. 2014. Mehava Media, Des Moines, IA and Amazon Digital Publishing

2014 Scholarship Report

REVIEWING ACTIVITIES:

Andreski M. AJHP
Andreski M. Research in Social and Administrative Pharmacy
Bell, E. Annals of Pharmacotherapy
Bell, E. Journal of Pediatric Pharmacology and Therapeutics
Bottenberg M. American Journal of Pharmacy Education
Bottenberg M. Currents in Pharmacy Teaching and Learning
Bottenberg M. The Journal of the Iowa Pharmacy Association
Bottenberg M. The Annals of Pharmacotherapy
Caligiuri F. Currents in Pharmacy Teaching and Learning
Chesnut, R. Currents in Pharmacy Teaching and Learning
Clarke C. American Journal of Pharmaceutical Education
Clarke C. Currents in Pharmacy Teaching and Learning
Dy-Boarman E. American Journal of Pharmaceutical Education
Dy-Boarman E. Annals of Pharmacotherapy
Eastman D. Journal of the Iowa Pharmacy Association
Gentry B. Antimicrobial Agents and Chemotherapy
Gentry B. Antiviral Research
Grady S. Currents in Pharmacy Teaching and Learning
Haack S. Currents in Teaching and Learning
Harrell J. Medicine & Science in Sports & Exercise.
Huey K. Acta Physiologica
Huey K. Journal of Physiology
Huey K. Muscle Nerve
Huey K. American Journal of Physiology
Huey K. Journal of Applied Physiology
Johnson JF. Currents in Pharmacy Teaching and Learning
Kjos, A. Currents in Pharmacy Teaching and Learning
Kjos, A. Innovations in Pharmacy
Kjos, A. Research in Social and Administrative Pharmacy
Kjos, A. Journal of the American Pharmacists Association
Koenigsfeld C. Journal of the American Pharmacist Association
Mahajan P. Archives of Toxicology
Mahajan P. J. Inflammation
Mahajan P. Pharmacogenomics
Meisner A. Currents in Pharmacy Teaching and Learning
Mengesha A. Journal of Pharmaceutical Sciences (J. Pham. Sci)
Mengesha A. Pharmaceutical Research (Pharm Res); 1 review
2014 SCHOLARSHIP REPORT

Pandit, N. International Journal of Pharmaceutics
Pandit, N. Pharmaceutical research
Phillips CR. Research and Social and Administrative Sciences
Rovers J. Currents in Pharmacy Teaching
Rovers J. JAPhA;
Rovers J. Nigerian Journal of Clinical Practice
Sacco J. Journal of Biochemical and Molecular Toxicology
Soltis R. Amer Journal of Pharm Education
Stelter N. JAPhA
Ulrich E. American Journal of Pharmacy Benefits
Ulrich E. Journal of Pharmaceutical Health Services Research
Wall, G. American Journal of Health-System Pharmacy
Wall, G. Annals of Allergy, Asthma, and Immunology 1
Wall, G. BMC Family Practice 1
Wall, G. International Journal of Pharmacy Practice 2
Wall, G. Pharmacotherapy
Wall, G. World Journal of Gastroenterology
Welty T. Epilepsy Research
Welty T. Current Medical Research and Opinion:
Welty T. Epilepsy and Behavior
Welty T. The Annals of Pharmacotherapy
Wrenn C. Mammalian Biology
Wrenn C. Current Medical Research and Opinion

REVIEWER FOR PODIUM or POSTER SESSIONS:

Clarke C. American Association of Colleges of Pharmacy (poster for Annual meeting)
Clarke C. American Pharmacists Association (poster for Annual meeting)
Dy-Boarman E. Poster reviewer, Drake University CPHS Health Sciences Capstone Project Posters
Huey K. DMU Research Symposium 2014, poster judge
Huey K. DUCURS 2014 poster judge
Kjos A. American Pharmacists Association, APRS-ESAS Contributed Research Reviewer (podium/posters)
Kjos A. International Social Pharmacy Workshop 2014 – Reviewer of new investigator posters
Lehman N. APhA Annual Meeting poster judge
Mengesha A. AAPS
Meyer KS. ASCP Annual Meeting Posters
Mobley-Bukstein W. Modules 4,5,8 of the CEI Immunization Training Course.
Mobley-Bukstein W. APhA Annual Meeting's poster presentations
Percival K. DMU Research Symposium (posters) in December 2014.
2014 SCHOLARSHIP REPORT

Phillips CR. SLDS Poster Grader, Drake University
Sacco J. Drake University Conference for Undergraduate Research in the Sciences (DUCURS), April 2014
Sacco J. Poster Presentations, DMU Research Symposium, December 2014, 3 reviews
Torry R. Health Sciences Senior Capstone Posters, Drake University (Posters)
Torry R. DMU Research Symposium, Graduate/Post-Doc competition (Posters)
Torry R. Iowa and Missouri Physiological Society, Abstract/Poster judge, Graduate/Post-Doc competition
Welty T. American College of Clinical Pharmacy Annual Meeting

REVIEWER FOR GRANTS/AWARDS:

Clarke C. American Pharmacists Association Foundation Incentive Grant Program
Huey K. David Bruce Awards Undergraduate Research Awards for undergraduate students attending Experimental Biology meeting.
Huey K. Frontiers in Physiology Fellowship Awards for high school teachers
Huey K. ADI Instruments Macknight Early Career Innovative Educator Award
Huey K. Caroline tum Suden/Frances A. Hellebrandt Professional Opportunity Award for graduate students and postdoctoral fellows attending Experimental Biology Meeting.

RESEARCH GRANTS AND CONTRACTS: (23 NEW)

Extramural (11)

Title: Impact of Student Pharmacist Education on Pneumococcal Vaccination Rate in Patients attending a Walk-In Clinic
Sponsor: Pfizer Pharmaceuticals
Start date/completion date: 9/14-9/16
Direct Costs: $258,404
Role: Koenigsfeld CF, Lehman NA, Wall GC, Sheesley B, Smith HL. (Co-investigators)

Title: Impact of Nanotechnology in Design and Development of Triggerable Drug Delivery Systems for Smart Medicine.
Sponsor: Iowa NASA EPSCoR;
Direct Costs: $15,000
Role: Mengesha A. (Principle Investigator) Co-PI: Pramod B Mahajan

Title: Lipid crystallization and effect of moisture on crystalline arrangement of monoglycerides in smart drug delivery system.
Sponsor: Better Futures for Iowans;
Start date/completion date: Oct. 2014 – Jan. 2015,
Direct Costs: $700.00
Role: Mengesha A. Principle Investigator

Title: “A Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy”
Sponsor: Iowa Pharmacy Association sub-award of NACDS funding
Start date/completion date: 7/1/14-6/30/16
Direct Costs: $10,000
Role: Andreski M. Primary Investigator and Research Consultant.
Title: Satisfaction Survey for “A Pharmacy Pilot or Demonstration Research Project for a New Practice Model for Community Pharmacy”  
Sponsor: NABP Region V  
Start date/completion date: 8/1/14 -12/31/15  
Direct Costs: $3000  
Role: Andreski M. Primary Investigator  

Title: Pharmacological Enhancement of Anti-Viral Chemotherapy for the Treatment of Herpes Virus Infections.  
Sponsor: Iowa NASA EPSCoR Research Infrastructure Development Program Research Grant,  
Start date/completion date: Jan 2014-Dec 2014.  
Direct Costs: $15,000  
Role: Gentry B. Principle Investigator.  

Title: Infection Mitigation during Space Flight: Combination Pharmacotherapy to Combat Herpes Viral Infections, Curtail Drug Resistance, and Decrease Incidence Rates of Adverse Effects.  
Sponsor: NASA Iowa Space Grant Consortium Base Program at Drake University,  
Start date/completion date: June 2014-May 2017.  
Direct Costs: $62,000  
Role: Gentry B. Principle Investigator, R Torry (collaborator)  

Title: Next Top Entrepreneur Competition (2015)  
Sponsor: Target  
Start date/completion date: Feb. 2015  
Direct Costs: $3,000  
Role: Chesnut R. Principal Investigator  

Sponsor: Pharmacists Mutual  
Start date/completion date: 2014-15  
Direct Costs: $5,000  
Role: Chesnut R. Principal Investigator  

Title: Internship Program for Independent Pharmacy  
Sponsor: McKesson  
Start date/completion date: 2014-15  
Direct Costs: $20,000  
Role: Chesnut R. Principal Investigator  

Title: Student Leadership Development Series  
Sponsor: Walmart  
Start date/completion date: 2014-15  
Direct Costs: $3,000  
Role: Chesnut R. Principal Investigator  

Intramural: (12)  

Title: Travel grant to Ethiopia to finalize partnership with Addis Ababa University (AAU).  
Sponsors: Drake International Grant and CPHS  
Start date/completion date: Feb. 2014,  
Direct Costs: $5,935.00 (Drake International Grant ) and $6,800.00 (CPHS) Total cost = $12,534.00  
Role: Mengesha A. Participant. Other participants include: D. Soltis, F. Caligiuri, P. Mahajan and W. Duncan  

Title: Support for ACCP Meeting Attendance  
Sponsor: Drake Faculty Development Grant  
Start date/completion date: April 2014  
Direct Costs: $1,705  
Role: Haack S. Faculty development
Title: Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Females,  
Sponsor: Drake University Research Grant  
Start date/completion date: 7/1/2014-6/30/2015  
Direct Costs: $2,800  
Role: Huey K. Principal Investigator

Title: Periprocedural Antithrombotic Practices Among Dental Practices in Iowa  
Sponsor: Harris Research Endowment  
Start date/completion date: 12-10-2014 to 5-15-2015  
Direct Costs: $3100  
Role: Miesner A. Principle Investigator

Title: Understanding role of metalloprotease activity in mammalian DNA repair  
Sponsor: Harris Research Endowment  
Start date/completion date: (7-1-2014 to 6-30-2015)  
Direct Costs: $1,200  
Role: Mahajan P. (P.I.)

Title: International Social Pharmacy  
Sponsor: CPHS – Jorndt Development Endowment Fund  
Start date/completion date: August 2014  
Direct Costs: $1,174.00  
Role: Kjos A. Principle Investigator

Title: Experiential Service Learning Mini-grant for Courage League Sports i-Pad developments  
Sponsor: University Experiential Learning Committee: Service learning mini-grant  
Start date/completion date: Summer 2014  
Direct Costs: $294.80  
Role: Beemer R. Faculty Supervisor

Title: Experiential Service Learning Mini-grant for Elder Concerns Calendar Project  
Sponsor: University Experiential Learning Committee: Service learning mini-grant  
Start date/completion date: Fall 2014  
Direct Costs: $394.80  
Role: Beemer R. Faculty Supervisor

Title: Technology Use in Assessment in Pharmacy Skills & Applications  
Sponsor: Drake Harris Research Grant  
Start date/completion date: May 2014  
Direct Costs: $15,973  

Title: Effect of maternal genistein on socially transmitted olfactory memory  
Sponsor: Harris Endowment  
Start date/completion date: September 2014 - May 2015  
Direct Costs: $6,500  
Role: Wrenn C. Principal Investigator

Title: Introduction to Pharmaceutical Sciences Assistantship,  
Sponsor: Drake University Undergraduate Assistantship Program.  
Start date/completion date: 7/1/2014 - 6/1/2015  
Direct Costs: $1650  
Role: Soltis R. Principal Investigator
2014 SCHOLARSHIP REPORT

UNDERGRADUATE RESEARCH PROJECTS: (37)

Arissa Ausman (P3)
Research Mentor: Huey, K.
Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Females.
Product(s): poster presentations - DUCURS (April 2015).

Paul Choene (BS Health Sci-Pharm Sciences)
Research Mentor: Mengesha A.
Formulation and optimization of solubility and stability in nifedipine-loaded solid lipid nanoparticles created by solvent evaporation method
Product: DUCURS poster, 2014

Carolyn M. Crust (UM Pharmacy Student)
Research Mentor: Kjos A
An Evaluation of an Adolescent Education Intervention on Prescription Drug Safety
Product: University of Minnesota Research Seminar, Podium Presentation - "Best Podium Award" winner

Anh-ton Dang, (PharmD)
Research Mentor: Mengesha A.
Thermosensitive monoglycerides blend for local drug delivery

Gabrielle Dillon (HSCI Sr)
Research Mentor: Huey, K.
Age-related changes in muscle function and cardiorespiratory fitness in male and female mice.
Product(s): poster presentations - DUCURS (April 2014 and April 2015), Experimental Biology (March 2015).

Gabrielle Dillon (HSCI Sr)
Research Mentor: Huey, K.
Effects of Energy Gel Carbohydrate Composition and Gender on Fuel Metabolism and Blood Glucose Levels During Exercise
Product(s): poster presentations - DUCURS (April 2014)

Ty Drake (P3)
Research Mentor: Huey, K.
Age-related changes in muscle function and cardiorespiratory fitness in male and female mice.
Product(s): poster presentations - DUCURS (April 2014 and April 2015), Experimental Biology (March 2015).

Bradley Duwe (SCI Sr)
Research Mentor: Huey, K.
Effects of a Pre-Exercise Supplement on Anaerobic Power and Blood Lactate Levels in Males and Females.
Product(s): poster presentations - DMU Research Symposium (December 2014), DUCURS (April 2015).

Alexander Herold (HSCI 2014 grad)
Research Mentor: Huey, K.
Effects of statin treatment on muscle adaptation during chronic overload.
Product(s): poster presentations - DUCURS (April 2014).

Yutong Kang (HSCI)
Research Mentor: Sacco J.
Metabolism of BDCRB by human liver and intestinal microsomes
Product: TBD
2014 SCHOLARSHIP REPORT

Haley Kessinger (PharmD)
Research Mentor: Mengesa A.
AAPS 2014 Annual Meeting and Exposition, Nov. 02 – 06,2014, San Diego, CA
DUSCI oral presentation, Oct. 3rd, 2014

Justin Kochanski
Research Mentor: Sacco J.
Sequencing and in-silico analysis of canine GSTA1 and GSTM1 genes and transcript(s).
Product: DUCURS (April 2014), Winning post

Dillon Krotz (JR, AS)
Research Mentor: Mengesa A.
Simultaneous determination of doxazosin mesylate and finasteride by RP-HPLC
Product: TBD

Cory Langreck (HSCI)
Research Mentor: Wrenn C.
Effect of maternal genistein on socially transmitted olfactory memory
Product: DUCURS poster.

Wes Lyons, HSCI
Research Mentor: Miesner A.
Educating medical residents through podcasts developed by PharmD students
Product: TBD

Kathryn Marwitz, pharmacy
Research Mentor: Stelter N.
Intercollegiate Collaboration Helps to Immunize Over 1,000 Iowa State University Students, Faculty and Staff
Products: poster at Iowa Pharmacy Association Annual Meeting, June 2014

Hallie Meyer, Health Sciences
Research Mentor: Beemer R.
Topics in Health Sciences independent study research: Comparison of isokinetic muscle performance in active, healthy makes and females
Products: DUCUS poster April 2014 (co-presenter)

John Message - Pharmacy
Research Mentor: Ulrich E.
Quantifying the Long-term Impact of Medicare Part D on Enrollees’ Insurance Cost and Satisfaction
Product(s): Manuscript to be submitted in 2015

Yvette Mitchell, Pharmacy (P3)
Research Mentor: Haack S.
Diabetes Focus Groups at Primary Health Care
Product: Working on the manuscript; goal to submit to RSAP before Spring Break

Austin Moore (HSCI 2014 grad)
Research Mentor: Huey, K.
Effects of Energy Gel Carbohydrate Composition and Gender on Fuel Metabolism and Blood Glucose Levels During Exercise
Product(s): poster presentations - DUCURS (April 014)
2014 Scholarship Report

Midhad Mrvoljak (HS-C)
Research Mentor: Mengesha A.
Effect of Temperature on Glyceryl Monooleat and Glyceryl Monostearate.
Product: TBD

Mary Shea O'Brien, Pharmacy
Research Mentor: Gentry B.
Combination Pharmacotherapy against HCMV as a means to reduce the advent of drug resistance and to curtail adverse effects
Products: DMU Research Symposium Poster (Dec 2014), DUSCI Summer Project

Quang Phan, Pharmacy
Research Mentor: Gentry B.
Elucidating the mechanism of action of deoxyribosylindole nucleoside analogs, novel therapeutics with activity against HCMV
Products: Peer-reviewed manuscript (see In Press)

Russell Pluhm (HSCI Sr)
Research Mentor: Soltis R.
Taster Status and Body Composition in College Students
Product(s): DUCURS poster (April 2014)

Elizabeth Radloff, (PharmD)
Research Mentor: Mengesha A.
Thermosensitive monoglycerides blend for local drug delivery

Hannah Sauer, Pharmacy
Research Mentor: Gentry B.
Biosynthesis of MBX-2168 Triphosphate in Herpes-Virus Infected Cells.
Products: Invited Talk - DMU Research Symposium (Dec 2014), DUSCI Summer Project

Diana Schreier, Pharmacy
Research Mentor: Gentry B.
Elucidating the Mechanism of Action of PyroloPyrimidine Nucleoside Analogs, novel compounds that elicit an antiviral effect against the Herpes family of viruses
Product: TBD

Duncan Smith, MPA Capstone project,
Research Mentor: Fornoff A.
Des Moines Compliance with ADA laws.
Product: MPA campus presentation, April 2014.

Hannah Stonewall (PharmD)
Research Mentor: Mengesha A.
Effect of moisture on the crystalline structure of pure monoglycerides
126th Annual Meeting of the Iowa Academy of Science, IAS, April 11 – 12, 2014, Fort Dodge, IA
AAPS 2014 Annual Meeting and Exposition, Nov. 02 – 06, 2014, San Diego, CA

Keller Toral (PHARM.D)
Research Mentor: Sacco J.
Identification and Sequencing of the GSTP1 gene and transcript(s) in dogs
Product: DMU Research Symposium (December 2014). Winning poster, biomedical research category
2014 SCHOLARSHIP REPORT

Laura Vollmer, Pharmacy
Research Mentor: Gentry B.
Improving Nucleoside Analog Pharmacotherapy against HCMV through Pharmacological Modification
Products: DMU Research Symposium Poster (Dec 2014)

Kaila Wechsler (HSCI 2014 grad)
Research Mentor: Huey, K.
Effects of Energy Gel Carbohydrate Composition and Gender on Fuel Metabolism and Blood Glucose Levels During Exercise
Product(s): poster presentations - DUCURS (April 2014)

Brett Wright, Health Sciences
Research Mentor: Beemer R.
Assessment of lower-extremity strength, functional capacity, and pain in subjects with PFPS
Products: DUCURS poster April 2014 (Comparison of isokinetic muscle performance in active, healthy makes and females),

Brett Wright Health Sciences
Research Mentor: Beemer R.
Product: Podium Presentation at 6th Annual Sports Medicine Conference on Prevention, Early & Appropriate Care of Injuries and Functional Limitations in Physical Activity and Sports Des Moines, IA.

Jeff Yu (HSCI)
Research Mentor: Soltis R.
Creating Consumer Health Information Pamphlets for College Students
Product(s): Senior Capstone Project

Di Zhang, (HSCI)
Research Mentor: R. Torry and R. Beemer
"Muscle activity of wrist movement during piano performance".
Product(s): Senior Capstone Project

JJ Zieminski, Pharmacy
Research Mentor: Gentry B.
Improving Nucleoside Analog Pharmacotherapy against HCMV through Pharmacological Modification
Products: DMU Research Symposium Poster (Dec 2014)