

# CURRICULUM VITAE

## NAME:

**Kasi C. McPherson, M.S., Ph.D.**

Grants Writer, Un/Do Mindset Nonprofit Volunteer

## EDUCATION:

	Ph.D.
	Medical Pharmacology (GPA: 4.0)
2012- 2017	University of MS Medical Center, Jackson, MS Dissertation: “Implications of Endothelin Receptor Antagonists in Obesity-Related Renal Disease”
	M.S.
2010-2011	Medical Sciences ( <i>magna cum laude</i> ) Mississippi College, Clinton, MS
	B.S.
2005-2010	Biology ( <i>cum laude</i> ) University of Louisiana, Monroe, LA

## CERTIFICATIONS:

2022	QPR Gatekeeper   QPR Suicide Prevention Gatekeeper Program University of Alabama at Birmingham, AL
2020	Virtual   Human & Mammalian Genetics and Genomics: The 61 <sup>st</sup> McKusick Short Course – The Jackson Laboratory
2020	2020 Clinical and Translational Science Training Program – CCTS (Center for Clinical and Translational Science) University of Alabama at Birmingham, AL
2019	Kaizen: Rigor, Reproducibility, and Transparency – CCTS (Center for Clinical and Translational Science) University of Alabama at Birmingham, AL

## PROFESSIONAL EXPERIENCE:

2024 - Present	Grants Writer Volunteer Un/Do Mindset Nonprofit Denver, Colorado <i>Grants Writer: finding grants for available projects, drafting and reviewing grants, drafting and reviewing LOIs, managing grant timelines, writing literature reviews, creating SOPs for the funding team, collaborating with data teams and curriculum design teams</i>
2021 - 2021	Adjunct Faculty (Teaching Mentor: Heather Tinsley, Ph.D.) Department of Biology, Chemistry, Mathematics and Computer Science University of Montevallo, Montevallo, AL <i>Completed as part of the teaching requirement for the MERIT Fellowship Program; developing curriculum material and teaching BIO 100 nonmajors Biology Introductory course</i>
2021 - 2022	MERIT Fellow (Research Mentor: Lisa M. Schweibert, Ph.D.) Department of Cell, Developmental, and Integrative Biology University of Alabama at Birmingham, Birmingham, AL

*BioMedical Resiliency - Curriculum (BMR-C) Project Manager: script narrator and co-creator of BMR-C learner videos; Using qualitative data analysis determining the efficacy of BMR-C in stress, resilience, and mental health outcomes*

- 2020 – 2021      MERIT Fellow  
Department of Cell, Developmental, and Integrative Biology  
University of Alabama at Birmingham, Birmingham, AL  
*Autosomal Dominant Polycystic Kidney Disease (ADPKD) Drug Repurposing Data Analyst: Used computational R packages (DeSEQ, Seurat, signatureSearch) to analyze publicly available human and mouse datasets to determine if available FDA-approved drugs can be repurposed for AD-PDK*
- 2017 – 2020      Postdoctoral Trainee  
Department of Medicine, Division of Nephrology  
University of Alabama at Birmingham, Birmingham, AL  
*Early Life Stress (ELS) Project Manager: maintained ELS mouse model colonies; performed in vivo and ex vivo experiments; analyzed data to determine the role of ELS in the development of hypertension; manuscript and grant writing; oral and poster presentations*
- 2015              Podocyte Trainee  
Department of Medicine  
Rush University Medical Center, Chicago, IL  
*1-week technique training for developing primary podocyte cultures*
- 2012 - 2017      Graduate Assistant  
Department of Pharmacology  
University of Mississippi Medical Center, Jackson, MS  
*Obesity-related Renal Disease Project Manager: maintained rat model animal colonies; characterized novel rat model of obesity; performed in vitro, in vivo, whole animal experiments; optimized experimental protocols; protocol writing; analyzed data to determine the role of endothelin in the development of obesity-related renal disease independent of hyperglycemia and hypertension; manuscript and grant writing; oral and poster presentations*
- 2012              Research Volunteer  
Department of Biological Sciences  
Mississippi College, Clinton, MS  
*Assisted in T3T cells in vitro experiments determining the role of agent orange in the development of diabetes*
- 2011              Research Student  
Department of Biological Sciences  
Mississippi College, Clinton, MS  
*Assisted with in vitro experiments studying mechanisms of viral infections of various endangered frog species*
- 2008-2009      Howard Hughes Research student  
Department of Biology  
University of Louisiana, Monroe, LA  
*Assisted in whole animal in vitro techniques studying the mechanism of zinc in hypertension*
- 2008-2010      Student Worker  
Emergency Department

Louisiana State University E. A. Conway Hospital, Monroe, LA  
*Responsibilities included assisting doctors and nurses with patient care; patient transportation between departments; inputting patient records into electronic database*

2007-2008 Student Worker  
Radiology Department  
Louisiana State University E. A. Conway Hospital, Monroe, LA  
*Responsibilities included assisting Radiologists and Radiological technicians with radiological procedures; patient transportation between departments*

2006 Emerging Scholars Research Student  
College of Education and Human Development  
University of Louisiana, Monroe, LA  
*assisted in qualitative Data analysis investigating the efficacy of self-help procrastination tools in Attention Deficit Hyperactive Disorder (ADHD) students*

#### **PROFESSIONAL MEMBERSHIPS:**

2015 – 2020 American Society of Nephrology  
2015 – 2019 American Heart Association  
2013 – 2020 American Physiological Society

#### **HONORS/AWARDS:**

2022 University of Alabama Mental Health Champion Award (Univ of AL at Birmingham)

2018 Robert A Mahaffey Jr. Memorial Award for Research Potential in Medical Pharmacology (Univ of MS Medical Center)

2018 Placed second in 15<sup>th</sup> Annual Postdoctoral Research Day (Univ of AL at Birmingham)

2017 APS Physiologists in Industry Committee Pre-doctoral Novel Disease Model Award at Experimental Biology Meeting

2016 Medical Pharmacology Excellence Award (Univ of MS Medical Center)

2015 ASN Kidney STARS program at ASN Kidney Week

2015 The APS Research Recognition Travel award for the 14th International Conference on Endothelin: Physiology, Pathophysiology and Therapeutics

2015 Caroline tum Suden/ Francis A. Hellebrandt Professional Opportunity Award at Experimental Biology

2014 Research Day Poster Presentation winner in 8<sup>th</sup> Annual School of Graduate Studies in the Health Sciences' Research Day (Univ of MS Medical Center)  
"Early development of glomerular injury in a model of metabolic syndrome independent of hypertension and diabetes"

2014 Medical Pharmacology Excellence Award (Univ of MS Medical Center)

2014 The Kent Scientific Physiological Genomics Trainee Research Excellence Awards at Experimental Biology Meeting

2013 Phi Kappa Phi Honor Society Inductee (Univ of MS Medical Center)

2013 Dean's School Graduate Studies Scholarship (Univ of MS Medical Center)

2009 Placed Second in 9<sup>th</sup> Annual Research Symposium Poster Presentation (Univ of Louisiana) "Role of Heme Oxygenase in Angiotensin II Induced Hypertension"

2009	Outstanding Biology Student (Univ of Louisiana)
2008	Med-Stars Student (Univ of Louisiana)
2008	Tri Beta Honor Society (Univ of Louisiana)
2007	Placed First in 7 <sup>th</sup> Annual Research Symposium Poster Presentation (Univ of Louisiana) “Chronic Procrastination as a Function of Attention Deficient Hyperactivity”
2007	Alpha Lambda Delta Honor Society (Univ of Louisiana)
2006	31 Ambassadors student (Univ of Louisiana)
2006	Emerging Scholars Student Scholarship (Univ of Louisiana)
2005	Taylor Opportunity Program for Students (TOPS) scholarship (Univ of Louisiana)

## **TEACHING/MENTORING:**

### **1. Teaching**

#### Post-doctorate

2022	Adjunct Faculty BIO100 Biology for Non-majors University of Montevallo, Montevallo, AL
2022	Course Co-Instructor GRAD 741 VT UAB PREP Scholar Workshop (Manuscript writing workshop) University of Alabama in Birmingham, Birmingham, AL

#### Graduate

2016	Small Group Leader Medical Pharmacology, Autonomic Pharmacology University of Mississippi Medical Center, Jackson, MS
2015	Small Group Leader Medical Pharmacology, Autonomic Pharmacology University of Mississippi Medical Center, Jackson, MS
2014	Small Group Leader Medical Pharmacology, Autonomic Pharmacology University of Mississippi Medical Center, Jackson, MS

#### Undergraduate

2008-2010	College Biology Tutor General Biology I & II, Anatomy and Physiology I & II, Cell Biology, Microbiology University of Louisiana - Student Success Center, Monroe, LA
2007-2008	Biology Supplemental Instructor Anatomy and Physiology I University of Louisiana - Student Success Center, Monroe, LA

## **2. Mentoring**

### Post doctorate

Summer 2021	Hannah Cleary, KURE Program at UAB
Summer 2019	Cailin Kellum, PROmoTE Program at UAB
Fall 2018	Kylie Heitman, Graduate Rotation at UAB

### Graduate

2016- 2017	Corbin Shields, Graduate Rotation at UMMC Bibek Poudel, Graduate Rotation at UMMC
Summer 2015	Brianca Fizer, SURE Program at UMMC DesTenee Green, SURE Program at UMMC Judson Womack, INBRE Program at UMMC
2014-2015	Ashley Szabo-Johnson, Base Pair Program at UMMC
Summer 2014	Brianca Fizer, SURE Program at UMMC DesTenee Green, SURE Program at UMMC
2013-2014	Judson Womack, Base Pair Program at UMMC Alyssa Pennington, Base Pair Program at UMMC Brianca Fizer, Base Pair Program at UMMC

### Undergraduate

2008	Big Brother/ Big Sister Jack Hayes Elementary - Monroe, LA
2006-2007	Big Brother/Big Sister Lincoln Elementary - Monroe, LA

## **SERVICE:**

### **1. Local/Institutional Service**

2022	Panelist, Mental Health, Culture, and Identity Panel: Suicide Prevention Conference at the Univ of AL at Birmingham
2021	Workshop Leader, Spring 2021 UAB Undergraduate Research Workshop: Science Literacy – How to read a Paper
2020	Workshop Leader, Fall 2020 Lawson State Community College Intro to Scientific Research with UAB MERIT Postdoctoral Fellows Workshop Series – Research Writing Workshop
2020	Workshop Leader, Summer 2020 Oakwood Summer Bridge Program – Research Career Path Workshop
2020	Discussion Leader, Summer 2020 MERIT-Mentored Summer Research Experience with Lawson State Community College – Conversation with MERIT Fellows: Discussion of ethics and challenges in research
2020	Workshop Leader, Summer 2020 MERIT-Mentored Summer Research Experience with Lawson State Community College – Research Skills Workshop: What is Research? Who are Scientists?

2020	Volunteer, PhUN ( <u>Ph</u> ysiology <u>U</u> nderstanding) week event Spring 2020 at Tarrant Elementary
2019	Leader, UAB SPARC ( <u>S</u> cientific <u>P</u> eer-mentoring and <u>A</u> dvisory program for <u>R</u> enal and <u>C</u> ardiovascular fellows)
2019	Near Peer, Near Peer Panel Event for KURE ( <u>K</u> idney <u>U</u> ndergraduate <u>R</u> esearch <u>E</u> xperience)
2019	Volunteer, Teamwork and Communication Retreat for KURE ( <u>K</u> idney <u>U</u> ndergraduate <u>R</u> esearch <u>E</u> xperience)
2019	Grant reviewer, UAB SMART ( <u>S</u> tudy section <u>M</u> eeting and <u>R</u> eview <u>T</u> raining) review – AHA Postdoctoral fellowship
2018	Near Peer, Near Peer Panel Event for KURE ( <u>K</u> idney <u>U</u> ndergraduate <u>R</u> esearch <u>E</u> xperience)
2018	Volunteer, Teamwork and Communication Retreat for KURE ( <u>K</u> idney <u>U</u> ndergraduate <u>R</u> esearch <u>E</u> xperience)
2018	Co-Leader, UAB SPARC ( <u>S</u> cientific <u>P</u> eer-mentoring and <u>A</u> dvisory program for <u>R</u> enal and <u>C</u> ardiovascular fellows)
2018	Grant reviewer, UAB SMART ( <u>S</u> tudy section <u>M</u> eeting and <u>R</u> eview <u>T</u> raining) review – ASN Predoctoral fellowship
2018	Near Peer, UAB KURE ( <u>K</u> idney <u>U</u> ndergraduate <u>R</u> esearch <u>E</u> xperience)
2018	Oral presentation, UAB Discovery in the Making
2017	Grant reviewer, UAB SMART ( <u>S</u> tudy section <u>M</u> eeting and <u>R</u> eview <u>T</u> raining) review – AHA Career Development Award
2017	Grant Reviewer, UAB SMART ( <u>S</u> tudy section <u>M</u> eeting and <u>R</u> eview <u>T</u> raining) review – AHA Postdoctoral Fellowship
2017	Ambassador, UMMC Department of Pharmacology Recruitment Day
2016	Member, Hostess Committee for UMMC Holiday Open House
2016	Volunteer, Project Reach at Davis Magnet School, Jackson, MS
2016	Team Leader of UMMC Department of Pharmacology Volunteer, Discovery U Outreach Day at Mississippi Children’s Museum
2016	Ambassador, UMMC Department of Pharmacology Recruitment Day
2015	Member, Hostess Committee for UMMC Holiday Open House
2015	Volunteer, Project Reach at Davis Magnet School, Jackson, MS
2015	Volunteer, PhUN ( <u>Ph</u> ysiology <u>U</u> nderstanding) week event at Mississippi Children’s Museum
2015	Volunteer, Discovery U Outreach Day at Mississippi Children’s Museum
2015	Ambassador, UMMC Department of Pharmacology Recruitment Day
2014	Member, Hostess Committee for UMMC Holiday Open House

2014	Ambassador, UMMC Department of Pharmacology Recruitment Day
2013	Volunteer, Walk to end Alzheimer's
2013	Judge, Germantown High School Science Fair

## 2. Adhoc Review for Journals

Journal of Diabetes Research

Journal of Biomedicine & Pharmacology

Journal of Hypertension

## RESEARCH:

### Funding

#### Current

2020-2024	NIH/NIGMS K12 Institutional Research & Academic Career Development Award - Mentored Experiences in Research, Instruction, & Teaching (MERIT) Program (K12 GM088010-11; PI – Schwiebert)
2018-2020	Pharmaceutical Research and Manufacturers of America Foundation Postdoctoral Fellowship in Translational Medicine and Therapeutics “Early Life Stress induced regulation of ET-1 and vascular disease” Total cost: \$60,000

#### Previous

2017-2018	National Institute of Health T32 NRSA Training Grant Research Fellowship T32 DK007545 Interdisciplinary Training in Kidney-Related Research <i>Declined due to concurrent acceptance of PhRMA Fellowship</i>
2016-2018	National Institute of Health F31 Individual Predoctoral Fellowship 1F31DK109571-01 Impact Score: 35 (Fellowship applications not percentiled), funded Total costs: \$55,152 <i>Terminated early due to degree completion (August 2017)</i>
2015-2016	Pharmaceutical Research and Manufacturers of America Foundation Pre-Doctoral Fellowship in Pharmacology/Toxicology “The role of ET-1 in lipid accumulation during the development of glomerular injury associated with MetS” Total costs: \$21,000 <i>Declined due to concurrent acceptance of NIH F31 Fellowship</i>

#### Previously Applied

2015	American Heart Association Greater Southeast Affiliate GSA Summer 2015 Predoctoral Fellowship (resub) 16PRE27330011 Priority Score: 1.94, not funded
2014	American Heart Association Greater Southeast Affiliate GSA Winter 2015 Predoctoral Fellowship 15PRE25690017 Priority Score: 3.06, not funded

**Poster and Oral Presentations (oral presentations denoted with \*)**

1. \* **McPherson KC**, Becker BK, Rhoads MR, Jin C, Pollock DM, and Pollock JS. Acute pressor responses in mice exposed to early life stress. Effects of Acute and Chronic Stress on Blood Pressure Regulation and Fluid Homeostasis – WEH Featured topic. Experimental Biology Conference, 2020.
2. **McPherson KC**, Becker BK, Colson J, Obi I, Jin C, Pollock DM, and Pollock JS. Early life stress leads to lower sympathetic/parasympathetic vasomotor tone in adult rats. University of Alabama at Birmingham Trainee Research Symposium, 2019.
3. \* **McPherson KC**, Becker BK, Colson J, Obi I, Jin C, Pollock DM, and Pollock JS. Early life stress leads to lower sympathetic/parasympathetic vasomotor tone in adult rats. University of Alabama at Birmingham Postdoctoral Research Day 2019 Data Blitz
4. \* **McPherson KC**, Ho DH, Pettway YD, Liu X, Hyndman KA, and Pollock JS. Early life stress induces endothelial-derived HDAC9 and ET-1 expression. Origins of Cardiovascular Disease: Does Metabolic Disease Always Come First? For WEH Research session, Experimental Biology Conference, 2018
5. \* **McPherson KC**, Ho DH, Pettway YD, Liu X, Hyndman KA, and Pollock JS. Early life stress induces endothelial-derived HDAC9 and ET-1 expression. University of Alabama at Birmingham Postdoctoral Research Day 2018
6. \* **McPherson KC**, Pennington A, Williams JM. Treatment with Lisinopril Delays the Early Progression of Proteinuria in a Novel Model of Prepubertal Obesity. New Animal Models and their Utility for WEH Research session, Experimental Biology, Chicago, IL; April 2017
7. **McPherson K**, Womack J, Taylor L, Fizer B, Green D, Spires D, Robinson J, and Williams JM. The Impact of Elevations of Renal Perfusion Pressure and Hyperglycemia on MMP Activity. Experimental Biology Conference, 2016.
8. **McPherson K**, Guillory D, Taylor L, Spires D, Johnson A, Garrett MR and Williams JM. Decreased survival rate in female obese leptin receptor mutant Dahl salt-sensitive rats that develop chronic kidney disease. American Heart Association Council on Hypertension Scientific Meeting; Washington, D.C.; September 2015.
9. \* **McPherson K**, Spires D, Taylor L, Szabo-Johnson A, and Williams JM. Evaluation of endothelin A receptor (ETA) blockade on the progression of renal injury in various models of metabolic disorders with pre-existing renal disease. American Physiological Society – 14<sup>th</sup> International Conference on Endothelin Physiology, Pathophysiology, and Therapeutics, Savannah, GA; September 2015.
10. **McPherson K**, Cornelius D, Thomas D, Taylor L, Spires D, Johnson A, Lamarca B, Garrett MR, and Williams JM. Early development of glomerular injury in dahl salt-sensitive (SS) rats with metabolic syndrome independent of diabetes and hypertension. Experimental Biology, Boston, MA; April 2015.
11. \* **McPherson K**, White TN, Johnson A, Geurts AM, Jacob HJ, Garrett MR and Williams JM. Initial characterization of leptin receptor knockout Dahl salt-sensitive (SS) rats. Physiological Genomics Trainee Highlights Session Experimental Biology, San Diego, CA; April 2014.

## Abstracts

1. **McPherson KC**, Kerr LM, Schweibert LM. Assessing the Effectiveness of the BioMed-Resiliency Curriculum for Undergraduates Engaged in Mentored Research. IRACDA Conference, 2022  
(Accepted for poster)
2. **McPherson KC**, Becker BK, Rhoads MR, Jin C, Pollock DM, and Pollock JS. Acute pressor responses in mice exposed to early life stress. Experimental Biology Conference, 2020. (Accepted for oral and poster)



3. Kellum C, Allan JM, **McPherson KC**, Neder T, Feig D, Seifert ME, and Pollock JS. Early life stress mediates enhanced aortic vasorelaxation in Sv129 mice. *Experimental Biology*, 2020. (*Accepted for oral and poster*)
4. Kemp KM, **McPherson KC**, Maynard C, Pollock JS. Early life stress in mice alters microbial composition. *Experimental Biology Conference*, 2020. (*Accepted for oral and poster*)
5. **McPherson KC**, Ho DH, Pettway YD, Liu X, Hyndman KA, and Pollock JS. Early life stress induces endothelial-derived HDAC9 and ET-1 expression. *Experimental Biology Conference*, 2018 (*Accepted for oral and poster*)
6. Pettway YD, Ho DH, **McPherson KC**, Seifert ME, and Pollock JS. Early life stress induces vascular expression of pro-oxidant, proinflammatory genes in adulthood in an HDAC9-dependent manner. *Experimental Biology Conference*, 2018 (*Accepted for poster*)
7. **McPherson KC**, Pennington A, Williams JM. Treatment with Lisinopril Delays the Early Progression of Proteinuria in a Novel Model of Prepubertal Obesity. *Experimental Biology Conference*, 2017. *FASEB J* April 2017 31:1034.7 (*Accepted for oral and poster*)
8. Pennington AP, **McPherson K**, Williams J. The Effects of Lisinopril on the Development of Renal Injury Associated with Prepubertal Obesity. *Experimental Biology Conference*, 2017. *FASEB J* April 2017 31:883.15 (*Accepted for poster*)
9. **McPherson K**, Womack J, Taylor L, Fizer B, Green D, Spires D, Robinson J, and Williams JM. The Impact of Elevations of Renal Perfusion Pressure and Hyperglycemia on MMP Activity. *Experimental Biology Conference*, 2016. *FASEB J* April 2016 30:740.23 (*Accepted for poster*)
10. **McPherson K**, Spires D, Taylor L, Szabo-Johnson A, and Williams JM. Evaluation of endothelin A receptor (ETA) blockade on the progression of renal injury in various models of metabolic disorders with pre-existing renal disease. The 14<sup>th</sup> International Conference on Endothelin, 2015. (*Accepted for oral and poster*)
11. **McPherson K**, Guillory D, Taylor L, Spires D, Johnson A, Garrett MR, and Williams JM. Decreased survival rate in female obese leptin receptor mutant Dahl salt-sensitive rats that develop chronic kidney disease. *American Heart Association Council on Hypertension*, 2015. (*Accepted for poster*)
12. **McPherson K**, Cornelius D, Thomas D, Taylor L, Spires D, Johnson A, Lamarca B, Garrett MR, and Williams JM. Early development of glomerular injury in dahl salt-sensitive (SS) rats with metabolic syndrome independent of diabetes and hypertension. *Experimental Biology Conference*, 2015. *FASEB J* April 2015 29:964.8 (*Accepted for oral and poster*)
13. Taylor L, Fizer B, **McPherson K**, and Williams JM. The effects of atorvastatin on the progression of metabolic syndrome associated kidney disease. *Experimental Biology Conference*, 2015 *FASEB J* April 2015 29:964.4 (*Accepted for poster*)
14. Spires D, Taylor L, **McPherson K**, and Williams JM. Effects of Endothelin-A receptor and angiotensin-converting enzyme inhibition on the development of progressive proteinuria in diabetic dahl SS rats with pre-existing renal disease. *Experimental Biology Conference*, 2015. *FASEB J* April 2015 29:959.8 (*Accepted for oral and poster*)
15. **McPherson K**, White TN, Johnson A, Geurts AM, Jacob HJ, Garrett MR and Williams JM. Initial characterization of leptin receptor knockout Dahl salt-sensitive (SS) rats. *Experimental Biology Conference*, 2014. *FASEB J* April 2014 28:1121.2 (*Accepted for oral and poster*)

## **Publications**

1. Wilk EJ, Howton TC, Fisher JL, Oza VH, Brownlee RT, **McPherson KC**, Cleary HL, Yoder BK, George JF, Mrug M, Lasseigne BN. Prioritized polycystic kidney disease drug targets and repurposing candidates from pre-cystic and cystic mouse Pkd2 model gene expression reversion. *Mol Med.*, May 2023;29(1):67.Doi:10.1186/s10020-023-00664-z
2. Shields CA, Poudel B, **McPherson KC**, Brown AK, Ekperikpe US, Browning E, Sutton L, Cornelius DC, Williams JM. Treatment with gemfibrozil prevents the progression of chronic kidney disease in obese Dahl salt-sensitive Rats. *Front Physiol.* Sept 2020; 11: 566403. doi: 10.3389/fphys.2020.566403
3. **McPherson KC**, Shields CA, Poudel B, Johnson AC, Taylor L, Stubbs C, Nichols A, Cornelius DC, Garrett MR, Williams JM. Altered renal hemodynamics is associated with glomerular lipid accumulation in obese Dahl salt-sensitive leptin receptor mutant rats. *Am J Physiol Renal Physiol.*, Apr 2020;218(4):F911-F921. doi: 10.1152/ajprenal.00438.2019
4. Obi JE, **McPherson KC**, and Pollock JS. Childhood adversity and mechanistic links to hypertension risk in adulthood. *Br J Pharmacol.* 2019; 1-19. doi: 10.1111/bph.14576. Epub 2019 Jan 17.
5. **McPherson KC**, Shields CA, Poudel B, Fizer B, Pennington A, Szabo-Johnson A, Cornelius DC, and Williams JM. The impact of obesity as an independent risk factor for the development of renal injury: implications from rat models of obesity. *Am J Physiol Renal Physiol.* 2019 Feb 1;316(2):F316-F327. doi: 10.1152/ajprenal.00162.2018. Epub 2018 Dec 12.
6. Spires D, Poudel B, Shields CA, Pennington A, Fizer B, Taylor L, **McPherson KC**, Cornelius DC, and Williams JM. Prevention of the progression of renal injury in diabetic rodent models with preexisting renal disease with chronic endothelin A receptor blockade. *Am J Physiol Renal Physiol.* 2018 Oct 1;315(4):F977-F985. doi: 10.1152/ajprenal.00182.2018. Epub 2018 May 30.
7. **McPherson KC** (2017). *The progression of chronic kidney disease in a novel animal model of obesity*. [Doctoral dissertation, University of Mississippi Medical Center]. ProQuest Dissertation
8. **McPherson KC**, Taylor L, Johnson A, Didion SP, Geurts AM, Garrett MR, and Williams JM. Early development of podocyte injury independent of hyperglycemia and elevations in arterial pressure in non-diabetic obese Dahl SS leptin receptor mutant rats. *Am J Physiol Renal Physiol.* 2016 Oct 1;311(4):F793-F804. doi: 10.1152/ajprenal.00590.2015. Epub 2016 Jul 27.