



NVPL
NEUROVASCULAR PHYSIOLOGY LABORATORY

AUSTIN T. ROBINSON, Ph.D.

Auburn University, School of Kinesiology,
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✉ atr0026@auburn.edu

SUMMARY:

- 4th year Assistant Professor
- Over \$1.2 million in secured NIH funding
 - Active NHLBI K01 and R15 awards
 - Recent fundable score on NIDDK R21
- Over \$1.5 million secured in total funding
 - Inclusive of internal and foundation funding
- 46 peer reviewed publications
- Strong history of mentoring Ph.D. students
 - Mentored two NIH TL-1 Fellows and two Auburn University Presidential Graduate Research Fellows
- Strong commitment to diversity, equity, and inclusion
 - Recipient of predoctoral and postdoctoral NIH diversity supplements, NHLBI PRIDE awardee, and recipient of numerous awards for scientists from underrepresented minority backgrounds
 - Five-time volunteer at Annual Biomedical Research Conference for Minoritized Students
 - Co-mentor to two NIH G-RISE T-32 Fellows, primary mentor to two American Heart Association HBCU Scholars, 2021 Summer mentor to NIH MARC Scholar, and mentor to several underrepresented minority scientists
- Over 25 invited oral presentations
 - Presidential Lecture at 2022 National American College of Sports Medicine Meeting
- Over 90 conference proceedings

EDUCATION:

Ph.D. University of Illinois at Chicago - Chicago, IL
Kinesiology, Nutrition, and Rehabilitation (Rehabilitation Sciences Concentration)
May 2012 - August 2016
Dissertation: *Aerobic Exercise and Redox Modulation in the Adipose Microvasculature*

- M.S.** University of Illinois at Chicago - Chicago, IL
Kinesiology, Nutrition, and Rehabilitation (Applied Exercise Physiology)
August 2010 - May 2012
Project: *The Effects of Eight Weeks of Resistance Training on Systemic Inflammatory Markers and Endothelial Function in Obese Females*
- B.S.** University of Indianapolis - Indianapolis, IN
Kinesiology, Exercise Science
August 2007 - May 2010 *Summa cum Laude*
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PROFESSIONAL EXPERIENCE:

Assistant Professor

August 2019 -
Auburn University - Auburn, AL
School of Kinesiology
Director of Neurovascular Physiology Laboratory

Postdoctoral Researcher

August 2016 - July 2019
University of Delaware - Newark, DE
Department of Kinesiology and Applied Physiology
Mentor: William B. Farquhar

Graduate Research Assistant

June 2011 - August 2016
University of Illinois at Chicago - Chicago, IL
Department of Physical Therapy
Mentor: Shane A. Phillips

Adjunct Lecturer

August 2015 - May 2016
Benedictine University - Lisle, IL
Master of Science in Clinical Exercise Physiology (M.S.C.E.P Program)

Graduate Teaching Assistant

August 2010 - May 2012; August 2015 - May 2016
University of Illinois at Chicago - Chicago, IL
Department of Kinesiology and Nutrition

FUNDING:

Submitted:

Source: NIH R21DK136081 *Submitted 6/16/22 PAR-21-313
Title: *Dietary Ketone Supplementation as a Novel Therapy to Attenuate the Adverse Cardiorenal Consequences of High Dietary Salt in Middle-aged and Older Adults*
Role: Principal Investigator
Impact Score: 25; JIT requested November 2022
Dates: 04/2023 - 03/2026 (estimated)
Funds: \$577,675 (estimated)

Source: NIH R01 (Hunter, Stacy PI)

Title: *Yoga: A Novel Therapeutic Approach in Addressing the Adverse Effects of High Sodium Intake in African American Adults*

Role: Co-Investigator

Dates: 08/2023 - 07/2028 (estimated) *Submitted 10/22 to PA-20-183

Active:

Source: NIH Research Enhancement Award R15HL165325

Title: *Mitochondria Dysfunction as a Contributor to Racial Disparities in Vascular Health and Hypertension*

Role: Principal Investigator

Dates: 09/2022 – 08/2025

Funds: \$439,000

Source: NIH/NHLBI Loan Repayment Program Renewal 2-L30HL154374

Title: *The influence of dietary salt loading and race on cardiorenal function in healthy adults*

Role: Principal Investigator

Dates: 08/2022 - 11/2023

Funds: \$13,300

Source: Auburn University Internal Grant Program, Research Support Program

Title: *Can Ketone Supplementation Attenuate the Adverse Cardiorenal Consequences of High Dietary Salt in Human Participants?*

Role: Principal Investigator

Dates: 08/2022 - 07/2024

Funds: \$50,000

Source: NHLBI Career Development Award K01HL147998

Title: *Racial Differences in Serum Sodium and Blood Pressure Regulation*

Role: Principal Investigator

Dates: 09/2019 - 08/2024

Funds: \$704,922

Source: Georgia State University Internal Seed Funding

Title: *The Influence of Beetroot Juice on Racial Disparities in Vascular Function*

Role: Collaborator (no FTE), PI: Gregory Grosicki, PhD

Dates 05/2021 – 04/2023

Funds: 10,000

Source: Auburn University College of Education Seed Grant

Title: *“Neighborhood social environment and habitual sleep as contributors to racial differences in cardiometabolic risk: Results from the Multi-ethnic Study of Atherosclerosis (MESA)”*.

Role: Principal Investigator

Dates: 09/2021 - 08/2023

Funds: \$5,000

Source: Auburn University Presidential Graduate Research Fellowship

Role: Mentor (PhD Student, Nina Stute)

Dates: 08/2022 - 07/2025

Funds: \$90,000

Source: NIH/NCATS CTSA grant UL1TR003096 TL-1 Fellowship

Role: Mentor (PhD Student, Braxton Linder)

Dates: 07/2022 - 06/2023

Funds: \$ 50,740

Source: Auburn University Presidential Graduate Research Fellowship

Role: Mentor (PhD Student, Braxton Linder)

Dates: 08/2020 - 07/2023

Funds: \$90,000

Completed:

Source: NIH/NHLBI Loan Repayment Program 1-L30HL154374

Title: *Racial Differences in Serum Sodium and Blood Pressure Regulation*

Role: Principal Investigator

Dates: 08/2020 - 07/2022

Funds: \$30,542

Source: Auburn University Internal Grant Program, Interdisciplinary Team Research Grant

Title: *Neighborhood Disadvantage across the Lifespan and Sleep Disparities Contribute to Racial Disparities in Cardiometabolic Health and Blood Pressure in Young Adults*

Role: Co-Principal Investigator; Thomas Fuller-Rowell

Dates: 05/2020 - 04/2022

Funds: \$50,000

Source Auburn University Internal Grant Program, Early Career Development Grant

Title: *Translational Investigation on the Influence of High Dietary Salt on Kidney and Blood Vessel Health*

Role: Principal Investigator

Dates: 05/2020 - 04/2022

Funds: \$20,000

Source: Auburn University College of Education Seed Grant

Title: *The Effects of a Single High Sodium Meal on the Renin Angiotensin Aldosterone System*

Role: Principal Investigator

Dates: 09/2020 - 08/2022

Funds: \$5,000

Source: Auburn University School of Kinesiology Seed Funding Competition

Title: *The Influence of Mitochondrial Dysfunction on Racial Disparities in Blood Pressure Regulation*

Role: Principal Investigator

Dates: 04/2020 - 03/2022

Funds: \$15,000

Source: NHLBI 2R25HL105400-09
Roman (MPI)

01/01/19 – 12/31/23

Rao and Davila-

Overall Title: PRIDE Summer Institute in Cardiovascular Disease Comorbidities, Genetics and Epidemiology (CVD-CGE)
Subproject Title: Influence of Race/Ethnicity on the Relation between Serum Sodium and Blood Pressure: Results from the Multi-ethnic Study of Atherosclerosis (MESA)
Role: Subproject PI, 0.9 calendar
Dates: 11/19-10/2021 (NCE)
Funds: \$16,451

Source: NIH/NCATS CTSA grant UL1TR003096 Pilot Funding
Title: *The Influence of Mitochondrial-Derived Reactive Oxygen Species on Racial Disparities in Neurovascular Function*
Role: Principal Investigator
Dates: 05/2020 - 04/2021
Funds: \$60,000

Source: American Heart Association Postdoctoral Fellowship (18POST34060020)
Title: *The Influence of Peak Oxygen Consumption and Physical Activity on the Neurovascular Actions of Dietary Salt*
Role: Principal Investigator
Dates: 07/2018 - 06/2020
Funds: \$104,060

*Relinquished upon accepting faculty position (08/2019)

Source: American College of Sports Medicine Research Endowment (#16-00213)
Title: *The Influence of Fitness and Habitual Physical Activity on the Neurogenic Actions of Dietary Salt*
Role: Principal Investigator
Dates: 07/2017 - 06/2018
Funds: \$10,000

Source: NIH/NHLBI Supplement to Promote Diversity in Health-Related Research (Parent grant: *Adverse Neurogenic Actions of Dietary Salt*; R01HL128388)
PI: William B. Farquhar, PhD
Role: Postdoctoral Researcher
Dates: 12/2016 - 03/2020*
Funds: \$293,280

*Relinquished early for American Heart Association Postdoctoral Fellowship (07/2018)

Source: International Society of Sports Nutrition
Title: *The Effects of Inorganic Nitrate Supplementation on Macro and Microvasculature Function Following Acute Exercise*
Role: Principal Investigator
Dates: 01/2014
Funds: \$10,000

Source: NIH/NHLBI Supplement to Promote Diversity in Health-Related Research (Parent grant: *Effects of Low Carbohydrate and Low-Fat Diets on Endothelium Function in Human Obesity*; R01HL095701)
PI: Shane A. Phillips, PT, PhD

Role: Graduate Research Assistant
Dates: 09/2012 - 07/2015
Funds: \$105,537

AWARDS & HONORS:

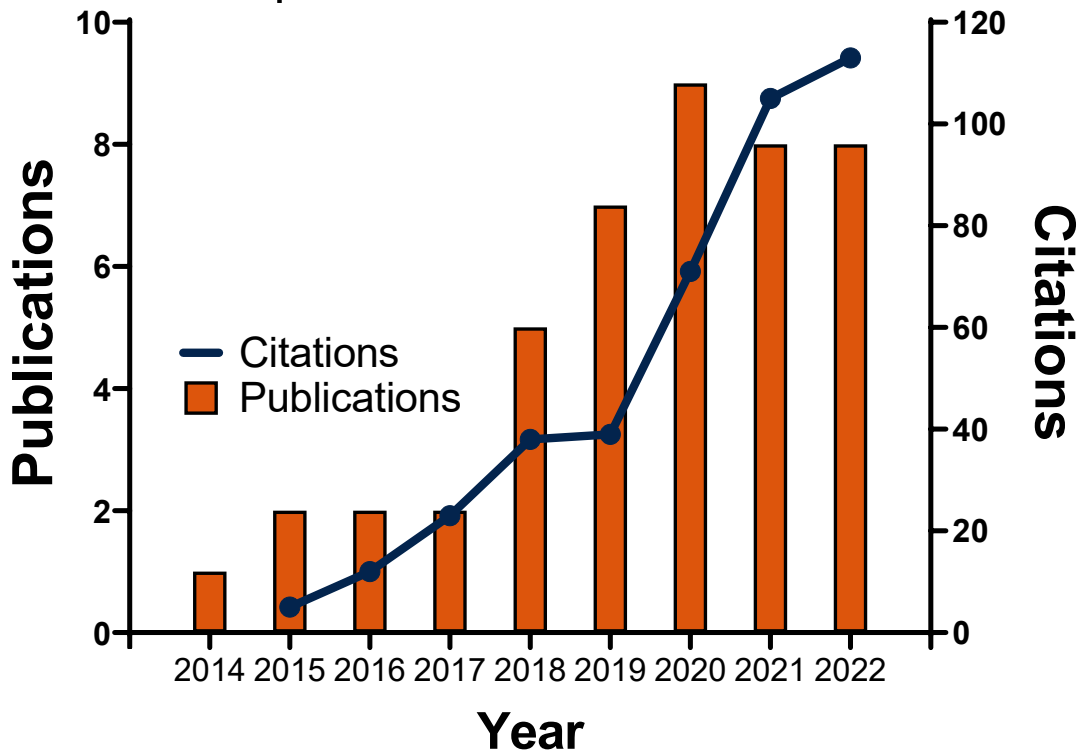
08/2021	Virtual Judge's Award to attend the virtual 2021 Annual Biomedical Conference for Minority Students
08/2020	Virtual Judge's Award to attend the virtual 2020 Annual Biomedical Conference for Minority Students
09/2019	Judge's Travel Award to attend the 2019 Annual Biomedical Conference for Minority Students in Anaheim, Ca
06/2019	NHLBI PRIDE mentee training (all-expense-paid Summer Institute, didactic curriculum and research mentoring)
03/2019	Certificate of Research Excellence from American Heart Association; Philadelphia, PA Affiliate
02/2019	ACSM Leadership and Diversity Training Program (LDTP) Awardee (for American College of Sports Medicine Annual Meeting 2019)
01/2019	American Physiological Society Martin Frank Diversity Travel Award (for Experimental Biology Meeting 2019)
09/2018	Judge's Travel Award to attend the 2018 Annual Biomedical Conference for Minority Students in Indianapolis, IN
01/2018	American Physiological Society Minority Travel Fellowship Award (for Experimental Biology Meeting 2018)
01/2018	American Physiological Society Steven M. Horvath Professional Opportunity Award (for Experimental Biology Meeting 2018)
02/2017	The Microcirculatory Society Pappenheimer Postdoctoral Travel Award (for Experimental Biology Meeting 2017)
02/2014	The Microcirculatory Society Zweifach Student Travel Award (for Experimental Biology Meeting 2014)
01/2013	The Microcirculatory Society Zweifach Student Travel Award (for Experimental Biology Meeting 2013)
05/2010	Graduated with <i>Summa cum Laude</i> honors distinction with B.S. in Exercise Science from University of Indianapolis - Indianapolis, IN (3.92/4.00)
05/2010	Excellent Student in Exercise Science Award (given to top student in program) from University of Indianapolis - Indianapolis, IN

MANUSCRIPTS:

Summary data:

****Google Scholar: Citations: 617, h-index: 14, i10-index: 17**

Scopus data November 2022
46 publications, *h*-index: 12



Original Research:

1. Lincoln ZR, Blumenberg WT, Cross BL, Vondrasek JV, Watso JC, Flatt AW, Linder BA, **Robinson AT**, Grosicki GJ. [Habituation Attenuates the Sex-Specific Association Between Ischemic Pain, Blood Pressure, and Arterial Stiffness in Young Adults](#). *Am J Physiol Heart Circ Physiol*. 2022 Nov 11. Online ahead of print.
2. Nichols OI, Full-Rowell TE, **Robinson AT**, Eugene D, Homandberg LK. [Neighborhood socioeconomic deprivation in early childhood contributes to racial disparities in blood pressure among young adults](#). *J Youth Adolesc*. 2022 Nov;51(11):2146-2160.
3. Culver MN, McMillan, Cross, BL, **Robinson AT**, Montoye AHK, Riemann BL, Flatt AA, Grosicki GJ. [Sleep duration irregularity is associated with elevated blood pressure in young adults](#). *Chronobiology International*. 2022 Jul 18;1-9. Online ahead of print.

4. Barnett AM, Babcock MC, Watso JC, Migdal, KU, Gutiérrez OM, Farquhar WB, **Robinson AT**. [High dietary salt intake increases urinary NGAL excretion and creatine clearance in healthy young adults](#). *Am J Physiol Renal Physiol*. 2022 Apr 1;322(4):F392-F402.
5. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Lennon S, Martens CR, Serrador JM, Farquhar WB. [Ten days of high dietary sodium does not impair cerebral blood flow regulation in healthy adults](#). *Autonomic Neurosci*. 2021 Sep; 234: 102826.
6. Full-Rowell TE, Nichols OI, **Robinson AT**, Boylan JM, Chae DH, El-Sheikh M. [Racial disparities in sleep health between black and white young adults: the role of neighborhood safety in childhood](#). *Sleep Med*. 2021 May;81:341-349.
7. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Lennon S, Martens CR, Serrador JM, Farquhar WB. [A high salt meal does not impair cerebrovascular reactivity in healthy young adults](#). *Physiol Reports*. 2020 Oct 10. doi.org/10.14814/phy2.14585
8. Watso JC, **Robinson AT**, Babcock MC, Migdal KU, Witman MA, Wenner MM, Stocker SD, Farquhar WB. [The effect of short-term water deprivation on exercise blood pressure responses in healthy older female adults](#). *Physiol Reports*. 2020 Sept 23. doi.org/10.14814/phy2.14581
9. Babcock MC, **Robinson AT**, Migdal KU, Watso JC, Martens CR, Edwards, DG, Pescatello LS, Farquhar WB. [High salt intake augments blood pressure responses during submaximal aerobic exercise](#). *J Am Heart Assoc*. 2020 May 18;9(10):e015633.
10. Migdal KU, Babcock MC, **Robinson AT**, Watso JC, Stocker SD, Wenner MM, Farquhar WB. [The impact of high dietary sodium consumption on blood pressure variability in healthy, young adults](#). *Am J Hypertens*. 2020 Apr 29;33(5):422-429.
11. Watso JC, **Robinson AT**, Babcock MC, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. [Short-term water deprivation does not increase blood pressure variability or impair neurovascular function in healthy young adults](#). *Am J Physiol Regul Integr Comp Physiol*. 2020 Jan 1;318(1):R112-R121.
12. Babcock MC, **Robinson AT**, Watso JC, Migdal KU, Martens CR, Pescatello LS, Edwards, DG, Farquhar WB. [Dietary salt loading blunts post exercise hypotension following dynamic exercise in healthy young adults](#). *Med Sci Sports Exerc*. 2020 Apr;52(4):935-943.
13. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Serrador JM, Farquhar WB. [A High salt meal does not augment cardiovascular responses during maximal exercise](#). *Appl Physiol Nutr Metab*. 2020 Feb;45(2):123-128.
14. Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. [Water deprivation does not augment sympathetic or pressor responses to sciatic afferent nerve stimulation in rats or to static exercise in humans](#). *J Appl Physiol*. 2019 Jul 1;127(1):235-245

15. **Robinson AT**, Watso JC, Babcock MC, Joyner MJ, Farquhar WB. [Record-Breaking performance in a 70-year-old marathoner](#). *N Engl J Med*. 2019 Apr 11;380(15):1485-1486.
16. **Robinson AT**, Babcock MC, Watso JC, Brian MS, Migdal KU, Wenner MM, Farquhar WB. [Relation between resting sympathetic outflow and vasoconstrictor responses to sympathetic nerve bursts: sex differences in healthy young adults](#). *Am J Physiol Regul Integr Comp Physiol*. 2019 May 1;316(5):R463-R471.
17. Babcock MC, **Robinson AT***, Watso JC, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. [Reducing dietary sodium to 1000 mg per day reduces neurovascular transduction without stimulating sympathetic outflow](#). *Hypertension*. 2019 Mar;73(3):587-593. ***Co-first author contribution**
18. Wenner MM, Paul EP, **Robinson AT**, Rose WC, Farquhar WB. [Acute NaCl loading reveals a higher blood pressure for a given serum sodium level in black compared to white adults](#). *Front. Physiol*. doi: 10.3389/fphys.2018.01354
19. **Robinson AT**, Mazzuco A, Sabbahi, AS, Borghi-Silva A, Phillips SA. [The effect of one week of a multi-ingredient dietary pre-workout supplement on resting and post-acute resistance exercise vascular function](#). *Int J Sport Nutr Exerc Metab*. 2018 Nov 1;28(6):611-18.
20. Das EK, Lai PY, **Robinson AT**, Pleuss J, Ali M, Haus JM, Gutterman DD, Phillips SA. [Regular aerobic, resistance, and cross-training exercise prevents reduced vascular function following a high sugar or high fat mixed meal in young healthy adults](#). *Front. Physiol*. 2018 Feb 20. doi: 10.3389/fphys.2018.00183
21. **Robinson AT**, Fancher I, Sudhahar V, Bian JT, Cook MD, Mahmoud AM, Ali MM, Ushio-Fukai M, Brown MD, Fukai T, Phillips SA. [Short-term regular aerobic exercise reduces oxidative stress produced by acute high intraluminal pressure in the adipose microvasculature](#). *Am J Physiol Heart Circ Physiol*. 2017 May 1;312(5):H896-H906.
22. Mahmoud AM, Szczurek MR, Blackburn BK, Mey JT, Chen Z, **Robinson AT**, Bian JT, Unterman TG, Minshall RD, Brown MD, Kirwan JP, Phillips SA, Haus JM. [Hyperinsulinemia augments endothelin-1 protein expression and impairs vasodilation of human skeletal muscle arterioles](#). *Physiological Reports* 2016 August; 4(16): e12895, doi: 10.14814/phy2.12895
23. **Robinson AT**, Franklin NC, Norkeviciute E, Bian JT, Babana JC, Szczurek MR, Phillips SA. [Aerobic exercise training prevents acute exertion-induced vasodilator dysfunction in overweight and obese humans via hydrogen peroxide-mediated dilation](#). *J Hypertens*. 2016 July;34(7):1309-16.
24. Franklin NC, **Robinson AT**, Bian JT, Ali MM, Norkeviciute E, McGinty P, Phillips SA. [Circuit resistance training attenuates acute exertion-induced reductions in arterial function but not inflammation in obese women](#). *Metab Syndr and Relat Disord*. 2015 June;13(5):227-34.
25. Grizelj I, Cavka A, Bian JT, Szczurek M, **Robinson AT**, Shinde S, Nguyen V, Braunschweig C, Drenjancevic I, Phillips SA. [Reduced flow-and acetylcholine-](#)

induced dilations in visceral compared to subcutaneous adipose arterioles in human morbid obesity. *Microcirculation*. 2015 Jan;22(1):44-53.

26. Franklin N, Ali M, **Robinson AT**, Norkeviciute E, Phillips SA. [Massage therapy restores peripheral vascular function following exertion](#). *Arch Phys Med Rehabil*. 2014 Jun;95(6):1127-34.

Reviews/Editorials/Commentaries:

27. Costa TJ, Linder BA, Hester S, Fontes M, Pernomian L, Wenceslau CF, **Robinson AT**, McCarthy CG. [The janus face of ketone bodies in hypertension](#). *J Hypertens*. 2022 Aug 9. Online ahead of print.
28. Jenkins NDM, **Robinson AT**. [How do adverse childhood experiences get under the skin to promote cardiovascular disease? A focus on vascular health](#). *Function (Oxf)*. 2022 Jun 15;3(4):zqac032. PMID: 35859580; PMCID: PMC9279110.
29. Grosicki GJ, Bunsawat K, Jeong S, **Robinson AT**. [Racial and Ethnic Disparities in Cardiometabolic Disease and COVID-19 Outcomes in White, Black/African American, and Latinx Populations: Social Determinants of Health](#). *Prog Cardiovasc Dis*. 2022 Apr 28; [Epub ahead of print] PubMed PMID: 35490870; PubMed Central PMCID: PMC9047517.
30. Bunsawat K, Grosicki GJ, Jeong S, **Robinson AT**. [Racial and Ethnic Disparities in Cardiometabolic Disease and COVID-19 Outcomes in White, Black/African American, and Latinx Populations: Physiological Underpinnings](#). *Prog Cardiovasc Dis*. 2022 Apr 29; [Epub ahead of print] PubMed PMID: 35490869; PubMed Central PMCID: PMC9050188.
31. **Robinson AT**, Wenner MM, Bunsawat K, Watso JC, Giersch GEW, Charkoudian N. [When it's time for the sex talk, words matter](#). *Am J Physiol Heart Circ Physiol*. 2022 Jan 1;322(1):H66-H70.
32. **Robinson AT**, Wenner MM, Charkoudian N. [Differential influences of dietary sodium on blood pressure regulation based on race and sex](#). *Autonomic Neurosci*. 2021 Dec;236:102873.
33. Kirkman DL, **Robinson AT**, Rossman MJ, Seals DR, Edwards, DG. [Mitochondrial contributions to vascular endothelial dysfunction, arterial stiffness and cardiovascular diseases](#). *Am J Physiol Heart Circ Physiol*. 2021 May 1;320(5):H2080-H2100.
34. Bunsawat K, **Robinson AT**. [Delineating racial and socioeconomic-related health disparities in end-stage heart failure: insight from cardiac DNA methylation](#). *Am J Physiol Heart Circ Physiol*. 2021 May 1;320(5):H2031-H2033.
35. Charkoudian N., **Robinson AT**. [Factors contributing to racial differences in neurogenic orthostatic hypotension](#). *Clin Auton Res*. 2021 Feb;31(1):51-53.
36. Watso JC, Babcock MC, Migdal KU, Farquhar WB, **Robinson AT**. [The relation between habitual physical activity and sympathetic vascular transduction in healthy young adults](#). *Clin Auton Res*. 2021 Apr;31(2):335-337.

37. **Robinson AT.** [Choose your maternal DNA wisely: Intrinsic exercise capacity and mitochondrial genome influence vascular function in rats.](#) *Function*. 2020 Dec 28 doi.org/10.1093/function/zqaa039
38. Charkoudian N, Fadel PJ, **Robinson AT**, Zucker IH. [Call for papers on racial in cardiovascular and cerebrovascular physiology.](#) *Am J Physiol Heart Circ Physiol*. 2020 Aug 1;319(2):H249-H250.
39. **Robinson AT**, Lane-Cordova AD, Cook MD. [Making cell culture more physiological: a call to account for maternal lifestyle differences when assessing racial disparities in HUVECs.](#) *Am J Physiol Cell Physiol* 2020 Feb 1;318(2):C238-C241.
40. Holmer BJ, Watso JC, **Robinson AT.** [Novel fueling strategies for exercise performance: Can exogenous ketone esters be the answer to prevent overtraining?](#) *J Physiol*. 2019 Sep; 597 (17), 4439-4440
41. **Robinson AT**, Joyner MJ, Farquhar WB. [More on the record-breaking performance in a 70-year-old marathoner. reply.](#) *N Engl J Med*. 2019 Jul 18;381(3):294
42. **Robinson AT**, Edwards DG, Farquhar WB. [The Influence of Dietary Salt Beyond Blood Pressure.](#) *Curr Hypertens Reports*. 2019 Apr 25;21(6):42
43. Migdal KU & **Robinson AT.** [New insights into arterial baroreflex function during acute exercise: Role of Central angiotensin II.](#) *J Physiol*. 2018 Sep;596(18):4295-96.
44. Fancher, IS, **Robinson AT**, Phillips SA. [A necessary distinction when discussing acute exercise and the endothelium.](#) Commentary on *Journal of Physiology* Crosstalk debate #36 ([see comments](#)). Acute exercise elicits damage to the endothelial layer of systemic blood vessels in healthy individuals published *J Physiol*. 2018 Feb 15;596(4):541-44.
45. **Robinson AT**, Fancher IS, Mahmoud AM, Phillips SA. [Microvascular vasodilator plasticity following acute exercise.](#) *Exerc Sport Sci Rev*. 2018 Jan;46(1):48-55.
46. Watso JC, Babcock MC, Migdal KU, **Robinson AT.** [The baroreflex effectiveness index as an early marker of autonomic dysfunction in heart failure.](#) *J Physiol*. 2017 Aug 1;595(15):5013-14.

Under Review

47. Linder BA, Babcock MC, Migdal KU, Watso JC, **Robinson AT.** Short-term high dietary salt intake does not influence resting or exercising heart rate variability but increases MCP-1 concentration in healthy young adults. (Submitted September 2022 to *Am J Physiol Regul Integr Comp Physiol*, R-00240-2022)
48. Smith MA, Sexton CL, Smith KA, Osburn SC, Godwin JS, Beausejour JP, Rupple, BA, Goodlett MD, Fruge AD, **Robinson AT**, Gladden LB, Young KC, Roberts MD. Molecular predictors of resistance training outcomes in young untrained female adults. (Submitted October 2022 to *J Appl Physiol*, JAPPL-00605-2022)

In preparation:

49. Tharpe MA, Linder BA, Watso JC, Babcock MC, Hutchison ZJ, Culver MN, Brian MS, Kavazis AN, **Robinson AT**. Adjusting For Exercise Intensity Attenuates Sex Differences in Blood Pressure During Handgrip Exercise and Metaboreflex Isolation in Healthy Young Adults. (Data collection complete; planned submission to *Med Sci Sports Exerc*. January 2023)
50. Watso JC, Fancher IS, Gomez DH, Hutchison ZJ, Gutiérrez OM, **Robinson AT**. The Damaging Duo: How Excess Dietary Salt and Obesity Contribute to Hypertension Cardiovascular Disease. (Review, planned submission to *Progress in Cardiovascular Disease*: January 2023)
51. **Robinson AT**, Linder BA, Jeong S, Sanchez SO, Barnett AM, McIntosh MC, Culver MN, Tharpe MA, Hutchison ZJ, Watso JC, Gutiérrez OM, Fuller-Rowell TE. Racial differences in 24-hour urinary hydration markers and copeptin, in young adults: role of neighborhood deprivation. (Data collection complete; planned submission to *Am J Physiol Renal Physiol*. January 2023)
52. Jeong S, Linder BA, Hutchison ZJ, Culver MN, Tharpe MA, Barnett AM, Nichols OI, Grosicki GJ, Bunsawat K, Fuller-Rowell TE, **Robinson AT**. Racial differences in blood pressure dipping in emerging adults. (Data collection complete; planned submission to *J Appl Physiol*. February 2023)
53. Grosicki GJ, Flatt AA, Cross BL, Vondrasek JV, Blumenberg WT, Lincoln ZR, Chall A, Bryan A, Watso JC, Linder B, Ricart K, Patel R, **Robinson AT**. Acute beetroot juice supplementation reduces blood pressure but not arterial stiffness or cardiovascular responses to stress in young black and white adults. (Data collection complete; planned submission to *Am J Physiol Regul Integr Comp Physiol*. February 2023)

Complete List of Published Work in My Bibliography:

https://www.ncbi.nlm.nih.gov/myncbi/1L_6fy7SP5QkJ/bibliography/public/

CONFERENCE PRESENTATIONS:

***Denotes oral presentation**

1. Jeong S, Vondrasek JD, Linder BA, Hutchison ZJ, Kinnel JE, Culver MN, Tharpe MA, Sanchez SO, Watso JC, Grosicki GJ, **Robinson AT**. Influence of dietary sodium and fiber on ambulatory blood pressure in healthy young adults. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
2. Hutchison ZJ, Linder BA, Tharpe MA, Barnett AM, Culver MN, Sanchez SO, Jeong S, Watso JC, Grosicki GJ, **Robinson AT**. Influence of dietary sodium and fiber on blood pressure and vascular function in young adults. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
3. Culver MN, Linder BA, Lyons DE, Jeong S, Hutchison ZJ, Barnett AM, Garrett C, McNeil J, **Robinson AT**. Vitamin D is associated with sleep duration variability but

not sleep duration in young adults. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.

4. Linder BA, Babcock MC, Watso JC, **Robinson AT**. High salt-induced elevations in MCP-1 and blood pressure reactivity are not correlated in young adults. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
5. Schroeder ER, Jeong S, Babcock MC, Watso JC, **Robinson AT**. The effects of a high salt diet on urinary nephrin excretion in healthy young adults. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
6. Schultz IJ, Culver MN, Linder BA, **Robinson AT**. Binge Twitch Streaming Ruins Sweet Dreaming: A Case Study. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
7. Stute NL, Babcock MC, Pollin KU, **Robinson AT**, Watso JC. Influence of Absolute Force on Exercising Blood Pressure during Isometric Hand-gripping with Female Aging. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
8. Cross BL, Vondrasek JD, Blumenburg WT, Lincoln ZR, Culver MN, Flatt AA, **Robinson AT**, Montoye AHK, Grosicki GJ. Physical activity, sleep, and racial disparities in cardiovascular health. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
9. Brown JE, Cross BL, Vondrasek JD, Frederick JM, Lincoln ZR, Gaither P, Blumenburg WT, Chall A, Bryan A, Palacios AM, Flatt AA, **Robinson AT**, Grosicki GJ. The influence of beetroot juice on racial disparities in vascular health. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
10. Linder BA, Babcock MC, Watso JC, **Robinson AT**. High salt-induced elevations in MCP-1 and blood pressure reactivity are not correlated in young adults. Southeast American College of Sports Medicine annual meeting. February 23-26, 2023. Greenville, SC.
11. Linder BA, Watso JC, Babcock MC, Pollin KU, **Robinson AT**. Short-term high dietary salt intake does not influence resting or exercising heart rate variability but increases MCP-1 concentration in healthy young adults. CCTS Translational Training Symposium. September 14 – 16, 2022. Mobile, AL.
12. McIntosh MC, Barnett AM, Linder BA, Culver MN, Jeong S, Tharpe MA, Hutchison ZJ, Fuller-Rowell TE, Watso JC, **Robinson AT**. Racial differences in urinary hydration markers, but not creatinine clearance or urinary NGAL excretion, in healthy young adults. Control of Renal Function in Health and Disease Conference. June 26 - 30, 2022. Charlottesville, VA
13. Linder BA, Watso JC, Babcock MC, Pollin KU, Farquhar WB, **Robinson AT**. Short-term salt loading does not influence heart rate variability during

submaximal exercise and recovery. American College of Sports Medicine annual meeting. May 31st – June 4th, 2022. San Diego, CA

14. Jeong S, Linder BA, Tharpe MA, Hutchison ZJ, Culver MN, Nichols OI, Fuller-Rowell TE, Robinson AT. Racial differences in night-to-day blood pressure and blood pressure dipping in healthy young adults. American College of Sports Medicine annual meeting. May 31st – June 4th, 2022. San Diego, CA.
15. Tharpe MA, Watso JC, Babcock MC, Brian M, Linder BA, Pollin KU, Hutchison ZJ, Barnett AM, Farquhar WB, **Robinson AT**. Adjusting for exercise intensity attenuates sex differences in blood pressure during exercise in healthy adults. American College of Sports Medicine annual meeting. May 31st – June 4th, 2022. San Diego, CA
16. Culver MN, Linder BA, Tharpe MA, Barnett AM, Hutchison ZJ, **Robinson AT**. Actigraphy-derived sleep quality and blood pressure reactivity in young apparently healthy adults. American College of Sports Medicine annual meeting. May 31st – June 4th, 2022. San Diego, CA
17. Jeong S, Linder BA, Barnett AM, Hutchison ZJ, Fuller-Rowell TE, Wolf ST, Grosicki GJ, **Robinson AT**. The influence of vitamin d status on nocturnal blood pressure dipping in healthy young adults. University of Alabama at Birmingham Vascular Biology and Hypertension Symposium. April 28 - 29, 2022. Birmingham, AL
18. Culver MN, Linder BA, Jeong S, Hutchison ZJ, Barnett AM, Fuller-Rowell TE, Wolf ST, Grosicki GJ, **Robinson AT**. The influence of skin pigmentation and vitamin D status on central and peripheral blood pressure and arterial stiffness in young adults. University of Alabama at Birmingham Vascular Biology and Hypertension Symposium. April 28 - 29, 2022. Birmingham, AL
19. Linder BA, Barnett AM, Hutchison ZJ, Tharpe MA, Kavazis AN, Gutiérrez OM, **Robinson AT**. The influence of acute high dose MitoQ on urinary kidney injury markers in healthy adults. Experimental Biology Meeting. April 2 - 5, 2022. Philadelphia, PA.
20. Vondrasek JD, Cross BL, Frederick JM, Lincoln ZR, Gaither P, Blumenburg WT, Chall A, Bryan A, Bock JM, Flatt AA, **Robinson AT**, Grosicki GJ. Nighttime blood pressure dipping is attenuated in young and apparently healthy black adults compared to white adults. Experimental Biology Meeting. April 2 - 5, 2022. Philadelphia, PA.
21. Blumenburg WT, Cross BL, Vondrasek JD, Frederick JM, Lincoln ZR, Gaither P, Chall A, Bryan A, Bock JM, Flatt AA, **Robinson AT**, Grosicki GJ. Perceived pain is associated with cardiovascular responsiveness during metaboreflex activation to sympathoexcitatory stress is associated with perceived pain in apparently healthy young males and females. Experimental Biology Meeting. April 2 - 5, 2022. Philadelphia, PA.
22. Lincoln ZR, Cross BL, Vondrasek JD, Frederick JM, Blumenburg WT, Gaither P, Chall A, Bryan A, Bock JM, Flatt AA, **Robinson AT**, Grosicki GJ. Free day, but not workday, sleep duration is inversely associated with aortic stiffness in apparently

healthy young adults. Experimental Biology Meeting. April 2 - 5, 2022. Philadelphia, PA.

23. Jeong S, Linder BA, Tharpe MA, Hutchison ZJ, Barnett AM, Culver MN, Nichols OI, Fuller-Rowell TE, **Robinson AT**. Pilot study on the influence of race and sex on beat-to-beat blood pressure variability in healthy young adults. Experimental Biology Meeting. April 2 - 5, 2022. Philadelphia, PA.
24. Culver MN, Linder BA, Lyons DE, Tharpe MA, Hutchison ZJ, Jeong S, Garrett CL, **Robinson AT**. The influence of self-reported and actigraphy-derived sleep quality on cardiometabolic health in a diverse cohort of healthy adults. Experimental Biology Meeting. April 2 - 5, 2022. Philadelphia, PA.
25. Bohmke NJ, Chavez DA, Billingsley HE, DaMonte J, Del Buono MG, **Robinson AT**, Markley R, Carbone S, Abbate A, Kirkman DL. Differences in immune cell mitochondrial function in black and white patients with heart failure with preserved ejection fraction. Experimental Biology Meeting. April 2 - 5, 2022. Philadelphia, PA.
26. Linder BA, Watso JC, Babcock MC, Pollin KU, Farquhar WB, **Robinson AT**. Short-term salt loading does not influence heart rate variability during submaximal exercise and recovery. Southeast American College of Sports Medicine annual meeting. February 17 - 19, 2022. Greenville, SC.
27. Jeong S, Linder BA, Tharpe MA, Hutchison ZJ, Culver MN, Nichols OI, Fuller-Rowell TE, Robinson AT. Racial differences in night-to-day blood pressure and blood pressure dipping in healthy young adults. Southeast American College of Sports Medicine annual meeting. February 17 - 19, 2022. Greenville, SC.
28. Tharpe MA, Watso JC, Babcock MC, Brian M, Linder BA, Pollin KU, Hutchison ZJ, Barnett AM, Farquhar WB, **Robinson AT**. Adjusting for exercise intensity attenuates sex differences in blood pressure during exercise in healthy adults. Southeast American College of Sports Medicine annual meeting. February 17 - 19, 2022. Greenville, SC.
29. Hutchison ZJ, Tharpe MA, Barnett AM, Linder BA, Culver MN, Brown MD, Kavazis AN, **Robinson AT**. Influence of acute supplementation with mitochondrial antioxidant MitoQ on vascular function in healthy adults. Southeast American College of Sports Medicine annual meeting. February 17 - 19, 2022. Greenville, SC.
30. Culver MN, Linder BA, Tharpe MA, Barnett AM, Hutchison ZJ, **Robinson AT**. Actigraphy-derived sleep quality and blood pressure reactivity in young apparently healthy adults. Southeast American College of Sports Medicine annual meeting. February 17 - 19, 2022. Greenville, SC.
31. Gomez DH, Aldokhayyil M, Yap KN, Rumbley MN, Kavazis AN, Brown MD **Robinson AT**. Mitochondrial respiration and redox protein expression in peripheral blood mononuclear cells from Non-Hispanic Black and White males. Experimental Biology Virtual Meeting. April 27 - 30, 2021
32. Tharpe MA, Hutchison ZJ, Barnett AM, Linder BA, Kavazis AN, Brown MD, **Robinson AT**. Effects of MitoQ on central hemodynamics, arterial stiffness, and

oxidative stress in healthy, young adults. Experimental Biology Virtual Meeting. April 27 - 30, 2021

33. Barnett AM, Babcock MC, Watso JC, Migdal KU, Farquhar WB, **Robinson AT**. The influence of salt loading on glomerular filtration rate and blood pressure variability in healthy young adults. Experimental Biology Virtual Meeting. April 27 - 30, 2021
34. Tharpe MA, Watso JC, Babcock MC, Migdal KU, Wenner MM, Farquhar WB, **Robinson AT**. Physiological determinants of salt-sensitivity in young female adults in a randomized, crossover, controlled feeding study. American College of Sports Medicine Virtual Meeting. June 1 - 5, 2021.
35. Gomez DH, Aldokhayyil M, **Robinson AT**, Brown MD. Potential effect of serum from hypertensive donors on PP2A expression and activity in endothelial cells. Translational Science. Virtual Meeting. March 30 - April 2, 2021
36. Gomez DH, Aldokhayyil M, **Robinson AT**, Brown MD. Racial differences in endothelial dysfunction: Does PP2A play a role? APS Integrative Physiology of Exercise Virtual Meeting. November 6 - 9, 2020
37. Shoemaker LN, **Robinson AT**, Watso JC, Greaney JL, Wenner MM. Influence of sex on neural coding strategies during isometric handgrip in young adults. American Autonomic Association Virtual Meeting. November 6 - 7, 2020
38. Shoemaker LN, **Robinson AT**, Watso JC, Greaney JL, Wenner MM. Aberrant sympathetic neural recruitment strategies during exercise pressor reflex activation in postmenopausal women. American Heart Association Scientific Sessions Virtual Meeting. November 14 - 16, 2020
39. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Serrador JM, Farquhar WB. The relation between cardiorespiratory fitness and cerebral blood flow regulation. American College of Sports Medicine, San Francisco, CA. May 2020
*canceled due to COVID-19 pandemic
40. Barnett AM, Babcock MC, Watso JC, Migdal KU, Farquhar WB, **Robinson AT**. The influence of salt loading on the kidney injury biomarker neutrophil gelatinase-associated lipocalin in healthy young adults. Experimental Biology Meeting, April 4 - 7, 2020. San Diego, CA
*canceled due to COVID-19 but published in FASEB journal Vol. 34, S1
41. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Serrador JM, Farquhar WB. The impact of high dietary sodium on cerebral blood flow regulation. Experimental Biology Meeting, April 4 - 7, 2020. San Diego, CA
*canceled due to COVID-19 but published in FASEB journal Vol. 34, S1
42. McMillan RK, Babcock MC, Migdal, KU **Robinson AT**, Watso JC, Wenner MM, Stocker SD, Farquhar WB. The impact of dietary sodium on sympathetic and blood pressure reactivity assessed using the cold pressor test. April 4 - 7, 2020. San Diego, CA
*canceled due to COVID-19 but published in FASEB journal Vol. 34, S1

43. Migdal KU, Watso JC, Babcock MC, **Robinson AT**, Wenner MM, Stocker SD, Farquhar WB. The effect of dietary sodium on central blood pressure variability in young adults. American Autonomic Society. Nov 6 - 9, 2019. Clearwater Beach, FL
44. Yang Y, Migdal KU, McMillan RK, Watso JC, Babcock MC, **Robinson AT**, Wenner MM, Stocker SD, Farquhar WB. The effect of dietary sodium intake on blood pressure in healthy young adults. American College of Sports Medicine Mid-Atlantic Chapter Meeting, Nov 1 - 2, 2019. Harrisburg, PA
45. McMillan RK, Yang Y, Migdal KU, Babcock MC, **Robinson AT**, Watso JC, Stocker SD, Wenner MM, Farquhar WB. The impact of dietary sodium on blood pressure during the cold pressor test. American College of Sports Medicine Mid-Atlantic Chapter Meeting, Nov 1 - 2, 2019. Harrisburg, PA
46. *Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Serrador JM, Farquhar WB. The influence of acute and chronic sodium on cerebrovascular reactivity. Brain/Brain PET 2019. July 4 - 7, 2019. Yokohama, Japan.
47. ***Robinson AT**, Watso JC, Babcock MC, Joyner MJ, Farquhar WB. Breaking3: Performance characteristics of a sub-three-hour septuagenarian marathoner. American College of Sports Medicine Annual Meeting. May 28 - June 1, 2019. Orlando, FL.
48. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Serrador JM, Farquhar WB. The influence of a high sodium meal on cerebrovascular reactivity. American College of Sports Medicine Annual Meeting. May 28 - June 1, 2019. Orlando, FL.
49. Watso JC, **Robinson AT**, Babcock MC, Migdal KU, Farquhar WB. The influence of habitual physical activity on arterial baroreflex sensitivity in healthy young adults. American College of Sports Medicine Annual Meeting. May 28 - June 1, 2019. Orlando, FL.
50. Babcock MC, **Robinson AT**, Watso JC, Migdal KU, Martens CR, Edwards DG, Pescatello LS, Farquhar WB. Effect of sodium supplementation on postexercise hypotension following acute submaximal aerobic exercise. American College of Sports Medicine Annual Meeting. May 28 - June 1, 2019. Orlando, FL.
51. **Robinson AT**, Babcock MC, Migdal KU, Watso JC, Wenner MM, Farquhar WB. The influence of dietary sodium on circulating inflammatory cytokines in healthy young female adults. Experimental Biology Meeting. April 21 - 25, 2019. Orlando, FL
52. Babcock MC, **Robinson AT**, Watso JC, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. Increased dietary salt augments the exercise pressor reflex. Experimental Biology Meeting. April 21 - 25, 2019. Orlando, FL
53. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Serrador JM, Farquhar WB. The influence of a high sodium meal on cerebral autoregulation. Experimental Biology Meeting. April 21 - 25, 2019. Orlando, FL

54. Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. The effect of age on blood pressure responses following short-term water restriction. Experimental Biology Meeting. April 21 - 25, 2019. Orlando, FL
55. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Serrador JM, Farquhar WB. The influence of a high sodium meal on cerebrovascular reactivity. American College of Sports Medicine Mid-Atlantic Chapter Meeting. November 2 - 3, 2018. Harrisburg, PA
56. *Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Stocker SD, Wenner MM, Farquhar WB. Blood pressure reactivity during short-term water restriction in older adults. American College of Sports Medicine Mid-Atlantic Chapter Meeting. November 2 - 3, 2018. Harrisburg, PA
57. **Robinson AT**, Babcock MC, Watso JC, Migdal KU, Farquhar WB. The effect of habitual physical activity on sympathetic vascular transduction. 2018 Annual American Autonomic Society Conference. October 24 - 27, 2018. Newport Beach, CA
58. **Robinson AT**, Watso JC, Babcock MC, Migdal KU, Farquhar WB. The influence of habitual physical activity on blood pressure variability. American College of Sports Medicine Integrative Physiology of Exercise Conference. September 5 - 7, 2018. San Diego, CA
59. Migdal KU, **Robinson AT**, Watso JC, Babcock MC, Wenner MM, Serrador JR, Farquhar WB. The influence of acute dietary sodium on peak exercise blood pressure. American College of Sports Medicine Integrative Physiology of Exercise Conference. September 5 - 7, 2018. San Diego, CA
60. Babcock MC, **Robinson AT**, Watso JC, Migdal KU, Farquhar WB. The effects of sodium supplementation on blood pressure responses during acute submaximal aerobic exercise. American College of Sports Medicine Integrative Physiology of Exercise Conference. September 5 - 7, 2018. San Diego, CA
61. Watso JC, **Robinson AT**, Migdal KU, Babcock MC, Stocker SD, Wenner MM, Farquhar WB. Rapid exercise blood pressure responses during mild dehydration: influence of habitual physical activity. American College of Sports Medicine Integrative Physiology of Exercise Conference. September 5 - 7, 2018. San Diego, CA
62. ***Robinson AT**, Migdal KU, Babcock MC, Watso JC, Wenner MM, Stocker SD, Farquhar WB. Physical activity modulates blood pressure regulation during controlled low and high salt diets. American College of Sports Medicine Annual Meeting. May 29 - June 2, 2018. Minneapolis, MN
63. Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Stocker SD, Wenner MM, Farquhar WB. Blood pressure reactivity during short-term water restriction in young adults. American College of Sports Medicine Annual Meeting. May 29 - June 2, 2018. Minneapolis, MN
64. **Robinson AT**, Migdal KU, Babcock MC, Watso JC, Wenner MM, Stocker SD, Farquhar WB. The effects of aerobic fitness on blood pressure reactivity during

controlled low and high sodium diets. Experimental Biology Meeting. April 21 - 25, 2018. San Diego, CA

65. *Babcock MC, **Robinson AT**, Watso JC, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. Differential sympathetic and RAAS responses to a low sodium diet. Experimental Biology. April 21 -25, 2018. San Diego, CA
66. Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Stocker SD, Wenner MM, Farquhar WB. Effect of short-term water restriction on blood pressure variability in young adults. Experimental Biology Meeting. April 21 - 25, 2018. San Diego, CA
67. Migdal KU, Watso JC, Babcock MC, **Robinson AT**, Wenner MM, Stocker SD, Farquhar WB. Effect of dietary sodium intake on blood pressure variability. Experimental Biology Meeting Conference. April 21 -25, 2018. San Diego, CA
68. **Robinson AT**, Migdal KU, Babcock MC, Watso JC, Wenner MM, Stocker SD, Farquhar WB. Does high aerobic fitness counteract the effects of dietary salt on blood pressure reactivity? Cardiovascular Health Symposium, University of Delaware STAR Campus. February 16, 2018. Newark, DE
69. Babcock MC, **Robinson AT**, Watso JC, Migdal KU, Stocker SD, Wenner MM, Farquhar WB. Differential sympathetic and RAAS responses to a low sodium diet. Cardiovascular Health Symposium, University of Delaware STAR Campus. February 16, 2018. Newark, DE
70. Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Stocker SD, Wenner MM, Farquhar WB. The effect of mild hypohydration on blood pressure regulation. Cardiovascular Health Symposium, University of Delaware STAR Campus. February 16, 2018. Newark, DE
71. Migdal KU, Watso JC, Babcock MC, **Robinson AT**, Wenner MM, Stocker SD, Farquhar WB. The effect of dietary salt on blood pressure regulation. Cardiovascular Health Symposium, University of Delaware STAR Campus. February 16, 2018. Newark, DE.
72. *Babcock MC, **Robinson AT**, Watso JC, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. Dietary sodium and resting sympathetic outflow. Annual Meeting of the Mid-Atlantic Chapter of the American College of Sports Medicine. November 3 - 4, 2017. Harrisburg, PA
73. *Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Stocker SD, Wenner MM, Farquhar WB. Blood pressure reactivity during short-term water restriction in young adults. Annual Meeting of the Mid-Atlantic Chapter of the American College of Sports Medicine. November 3 - 4, 2017. Harrisburg, PA
74. *Kaiser BW, Babcock MC, Migdal KU, **Robinson AT**, Watso JC, Wenner MM, Edwards DG, Farquhar WB. Effects of dietary salt intake on ambulatory central blood pressure. Annual Meeting of the Mid-Atlantic Chapter of the American College of Sports Medicine. November 3 - 4, 2017. Harrisburg, PA
75. *Migdal KU, Watso JC, Babcock MC, **Robinson AT**, Wenner MM, Stocker SD, Farquhar WB. Effect of dietary salt intake on blood pressure variability. Annual

Meeting of the Mid-Atlantic Chapter of the American College of Sports Medicine. November 3 - 4, 2017. Harrisburg, PA

76. *Watso JC, Babcock MC, **Robinson AT**, Migdal KU, Wenner MM, Stocker SD, Farquhar WB. Water deprivation does not enhance pressor responses to handgrip exercise in humans or sciatic nerve stimulation in rats. International Society for Autonomic Neuroscience Meeting. August 30 - September 2, 2017. Nagoya, Japan
77. **Robinson AT**, Cook MD, Brown MD, Phillips SA. Laminar shear stress reduces NADPH oxidase II expression but does not influence superoxide dismutase expression in human adipose microvascular endothelial cells. Experimental Biology. April 22 - 26, 2017. Chicago, IL
78. *Babcock MC, Brian MS, **Robinson AT**, Watso J, Wenner MM, Farquhar WB. Blood pressure responses to metaboreflex activation during acute and chronic volume loading. Annual Meeting of the Mid-Atlantic Chapter of the American College of Sports Medicine. November 4 - 5, 2016. Harrisburg, PA
79. Aerobic exercise dampens acute hypertension-induced vascular oxidative stress. **Robinson AT**, Fancher IS, Bian JT, Ali MM, Sudhahar V, Ushio-Fuaki M, Fuaki T, Levitan I, Phillips SA. Experimental Biology Meeting. April 2 - 6, 2016. San Diego, CA
80. Mahmoud AM, Ali MM, Miranda E, Mey JT, Blackburn BK, **Robinson AT**, Haus JM, Phillips SA. NADPH Oxidase contributes to oxidative stress and reduced eNOS phosphorylation during hyperinsulinemia in human skeletal muscle arterioles and microvascular endothelial cells. Experimental Biology Meeting. April 2 - 6, 2016. San Diego, CA
81. **Robinson AT**, Fancher IS, Bian JT, Ali MM, Sudhahar V, Ushio-Fuaki M, Fuaki T, Levitan I, Phillips SA. Aerobic exercise dampens acute high intraluminal pressure-induced vascular oxidative stress. University of Illinois at Chicago College of Applied Health Sciences Research Day. November 4, 2015. Chicago, IL
82. Urquhart M, **Robinson AT**, Tsai PA, Bian JT, Szczurek M, Phillips SA. Rotenone-induced mitochondrial depolarization in endothelial cells results in vasodilation via H₂O₂ dependent NO production. Chicago Area Undergraduate Research Symposium April 11, 2015. Chicago, IL
83. Bian JT, Szczurek M, Ranieri C, Grizelj I, Cavka A, **Robinson AT**, Marsh G, Li K, Sanyaolu RA, Shinde S, Phillips SA. Weight loss with low carbohydrate diets improves flow induced vasodilation in resistance arteries. American Heart Association Scientific Sessions November 15 - 19, 2014. Chicago, IL
84. Mahmoud AM, Szczurek M, **Robinson AT**, Mey JT, Blackburn BK, Bian JT, Brown MD, Phillips SA, Haus JM. Hyperinsulinemia disrupts vascular homeostasis, enhances oxidative stress and impairs flow-induced dilation of human skeletal muscle arterioles. American Heart Association Scientific Sessions November 15 - 19, 2014. Chicago, IL
85. Bian JT, Szczurek M, **Robinson AT**, Marsh G, Li K, Tsai PA, Phillips SA. The restorative effect of apocynin on flow-induced dilation of arterioles involves H₂O₂

and the activation of Rho A/Akt pathways and IK/SK channels in human obesity. International Symposium on Resistance Arteries (ISRA) September 7 - 11, 2014. Banff, AB, Canada

86. Mahmoud AM, Mey JT, Blackburn BK, Coleman K, Somal VS, Bian JT, Szczurek M, **Robinson AT**, Phillips SA, Haus JM. Hyperinsulinemia augments endothelin-1 release and impairs vasodilation of human skeletal muscle arterioles. American Diabetes Association Scientific Sessions June 13 - 17, 2014. San Francisco, CA
87. **Robinson AT**, Norkeviciute E, Phillips SA. Aerobic exercise training reverses reduced endothelial function after acute exertion in overweight adults. ACSM Annual Meeting May 27 - 31, 2014. Orlando, FL
88. **Robinson AT**, Szczurek M, Bian JT, Phillips SA. Aerobic exercise training protects against impaired microvasculature function following acute exertion by enhancing hydrogen peroxide-mediated dilation in overweight adults. Experimental Biology Meeting. April 26 - 30, 2014. San Diego, CA
89. *Szczurek M, Bian JT, Ranieri C, Grizelj I, Cavka A, **Robinson AT**, Marsh G, Phillips SA. Hypocaloric, but not isocaloric, low fat diets improve microvascular nitric oxide dependent vasodilation in obese subjects. American Heart Association Scientific Sessions November 17 - 20, 2013. Dallas, TX
90. **Robinson AT**, Franklin NC, Ali MA, Norkeviciute E, Baynard T, Phillips SA. Massage therapy induced protection against systemic endothelial functional impairment following exertional muscle damage is associated with a reduction in systemic inflammation. American College of Sports Medicine Midwest Chapter 41st Annual Meeting November 8 - 9, 2013. Merrillville, IN
91. *Franklin NC, Ali MM, Norkeviciute, E, **Robinson AT**, Phillips SA. Massage therapy improves systemic vascular endothelial function after exertion-induced muscle injury. ACSM, Annual Meeting. May 27-31, 2013. Indianapolis, IN
92. Bian JT, Szczurek M, **Robinson AT**, Phillips SA. Impaired vasodilation of human obese visceral resistance arteries is improved by apocynin through production of hydrogen peroxide and activation of SK and IK channels. Experimental Biology Meeting. April 20 - 24, 2013. Boston, MA
93. **Robinson AT**, Szczurek M, Bian JT, Cavka A, Grizelj I, Phillips SA. Mitochondrial reactive oxygen species contribute to impaired flow-induced dilation in visceral but not subcutaneous adipose tissue resistance arteries in human obesity. Experimental Biology. April 20 - 24, 2013. Boston, MA

INVITED ORAL PRESENTATIONS:

1. *Cardiorenal consequences of high dietary salt in healthy adults – potential strategies to stop the a-salt.* University of Nebraska Medical Center, Department of Cellular & Integrative Physiology. November 4th, 2022.
2. *Racial Disparities in Health Promoting Behaviors and Blood Pressure Regulation in a sample of Auburn University students* (**Robinson AT** & Jeong S). Outreach

and Engaged Scholarship Symposium Conference. Auburn, AL. September 8, 2022.

3. *Could racial differences in mineral intake and hydration contribute to cardiovascular health disparities?* Indiana University, Department of Kinesiology. June 21, 2022
4. *Salt and Cardiovascular Health: Does Physical Activity Change the Rules?* ACSM, Annual Meeting. President's Lecture. San Diego, CA June 2, 2022.
5. *One size doesn't fill all - differential effects of dietary sodium by race and sex.* Experimental Biology Meeting. Featured Topic Keynote: *Highs and lows in autonomic regulation of blood pressure: the role of biological sex and race.* Philadelphia, PA April 4, 2022.
6. *Potential strategies to counteract the effects of dietary salt loading on cardiorenal function in healthy adults.* University of Alabama at Birmingham. Black Postdoctoral Association Professional Development Series. March 25, 2022
7. *The influence of dietary salt loading and race on cardiorenal function in healthy adults.* University of Missouri. Department of Nutrition and Exercise Physiology. November 18, 2021
8. *Where do we go from here? high dietary sodium and cardiorenal function in healthy adults.* University of South Carolina. Cardiovascular Translational Research Center. November 9, 2021
9. *The influence of dietary salt loading and race on cardiorenal function in healthy adults.* University of Florida. Department of Health and Human Performance, Center for Exercise Science Seminar Series. October 21, 2021
10. *The consequences of dietary salt loading on cardiorenal function in healthy adults and racial disparities in salt sensitivity.* Georgia Southern University. Department of Health Sciences and Kinesiology. September 23, 2021
11. *The consequences of dietary salt loading on cardiorenal function in healthy adults and racial disparities in salt sensitivity.* Georgia State University. Departments of Kinesiology & Health and Nutrition Seminar Series. Webex Presentation June 11, 2021
12. *Overview of the Auburn University Neurovascular Physiology Laboratory.* Spelman College, Environmental & Health Sciences Program (EHSP), EHSP day. Zoom Presentation April 22, 2021
13. *The influence of short-term salt loading on cardiorenal function in healthy adults.* University of Illinois at Chicago, College of Medicine, Division of Endocrinology, Diabetes, and Metabolism. Zoom Presentation April 21, 2021
14. *High dietary salt adversely affects cardiorenal function in healthy adults.* Penn State University Department of Kinesiology. Zoom Presentation April 2, 2021

15. *More than Just Blood Pressure: The Effects of Salt on Cardiorenal Function*. Texas ACSM virtual conference. February 25, 2021
 16. *The effects of dietary salt on cardiorenal function and racial disparities in salt sensitivity*. McMaster University Department of Kinesiology. Zoom presentation February 19, 2021
 17. *The effects of dietary salt on cardiorenal function and racial disparities in salt sensitivity*. Auburn University College of Veterinary Medicine Anatomy and Physiology Seminar Series. Zoom presentation February 12, 2021
 18. *Navigating Graduate School: A very loosely defined road map*. Presented for the Auburn University Diversity Campus Experience (DiCE) program. Zoom presentation October 10, 2020
 19. *Racial differences in serum sodium and blood pressure regulation: A work in progress*. Health Disparities Research Initiative Virtual Symposium. Hosted by: Dr. Thomas Fuller-Rowell, PhD. July 29, 2020
 20. *Strategies to stay productive...and sane during COVID-19: Rolling with the punches from an early career investigator's perspective*. NSF-grant supported doctoral students at Alabama State University, Tuskegee University, and Auburn University. Hosted by: Dr. Jared Russel, PhD. June 18, 2020 *Zoom Presentation
 21. *Microvascular Vasodilator Plasticity Following Acute Exercise*. Fundación Universitaria del Área Andina (Bogota, Colombia). Program in Professional Sport Training. Fundación Universitaria del Área Andina. May 4, 2020 *Zoom Presentation
 22. *Novel Cardio-protective Effects of Regular Exercise*. Virginia Commonwealth University, Department Kinesiology and Health Sciences. December 4, 2018 Richmond, VA
 23. *Novel Cardio-protective Effects of Regular Exercise*. Auburn University, School of Kinesiology. November 7, 2018 Auburn, AL
 24. *Aerobic Exercise Modulates the Redox Environment in the Adipose Microvasculature*. Cardiovascular Physiology Symposium: American College of Sports Medicine Mid-Atlantic Regional Chapter Annual Meeting. November 3, 2017 Harrisburg, PA
 25. *Concise review of Exercise Physiology*. Benedictine University, Master of Science in Clinical Exercise Physiology Program. Host: Pedro Del Corral, MD, PhD. June 14, 2016 Lisle, IL
 26. *Aerobic Exercise Modulates the Redox Environment in the Adipose Microvasculature*. University of Wisconsin, Department of Kinesiology. Host: William Schrage, PhD. May 26, 2016 Madison, WI
 27. *Aerobic Exercise Modulates the Redox Environment in the Adipose Microvasculature*. University of Texas at Arlington, Department of Kinesiology. Host: Paul Fadel, PhD. May 23, 2016 Arlington, TX
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AD HOC JOURNAL REVIEWER:

Hypertension, Journal of Human Hypertension, Journal of Vascular Research, European Journal of Applied Physiology, Physiological Reports, Nutrition Research, PLOS One, Experimental Physiology, Medicine and Science in Sports and Exercise (MSSE), Applied Physiology, Nutrition, and Metabolism, Journal of Physiology, American Journal of Physiology (AJP); Heart and Circulatory Physiology, AJP; Regulatory, Integrative and Comparative Physiology, Journal of Applied Physiology, Frontiers of Physiology, Journal of Human Hypertension, Journal of Translational Medicine, Metabolic Syndrome and Related Disorders.

TEACHING EXPERIENCE:

Auburn University- Auburn, AL

- Guest instructor for HIST 3590, *Issues in Food and Agriculture* – Led a discussion on salt in the American diet, changing media coverage surround diet science and health claims, and social roles of foods and salt. 10/24/2022
- Grant workshop for the School of Kinesiology Graduate Student Academic Advisory Committee. 03/29/2022
- Professor for KINE 8970, *Integrative Physiology Journal Club*– Graduate student course on interpreting recent manuscripts in integrative physiology (exercise, metabolism, nutrition, cardiovascular physiology), led student discussions on papers, assisted in presentation development, aim page and professional development activities. 08/2021 – 12/2021
- Guest lecturer for KINE 7910 Grant Writing – I provided an overview for graduate students on NIH funding mechanisms for predoc and postdoctoral applicants (i.e., F awards and K awards) along with advice on submitting strong letters of support and research environment documents. 3/11/2021
- Professor for KINE 7910, *Research Practicum* – Hosted a weekly journal club for undergraduate and graduate students, provided supervised research experience, such as performing measurements of urine and blood osmolality. 02/2020 - Present
- Professor for KINE 3680, *Physiology of Exercise* - Lectured and facilitated discussion amongst undergraduate students in theoretical topics related the field of Exercise Physiology. 08/2019 - 12/2019

University of Delaware- Newark, DE

- Guest instructor for KAAP 801, *Graduate Seminar in Applied Physiology* – Gave presentation on my experience as a consulting editor for the *American Journal of Physiology Heart and Circulatory Physiology*; timely reviews, thorough reviews, common mistakes, importance of cover letters, etc. 10/14/2022
- Guest instructor for SOCI 413, *Race and Health* - Lectured and facilitated discussion amongst upper level undergraduate students on the topic of racial disparities in cardiovascular health, particularly hypertension incidence. 11/2018

- Guest instructor for KAAP 442, *Readings in Applied Physiology* - Led a discussion amongst senior-level undergraduate students on an original research article I co-authored (Das et al 2018, *Frontiers*). 04/2018
- Guest instructor for KAAP 655, *Advanced Physiology of Exercise* - Facilitated discussion amongst graduate and senior undergraduate students in advanced topics in the field of Exercise Physiology. 03/2017 - 04/2017, 03/2019

Benedictine University- Lisle, IL

- Course instructor for EXPH 662, *Advanced Exercise Physiology II* - Lectured and facilitated discussion amongst graduate students in advanced clinical topics in the field of Exercise Physiology. 08/2015 - 12/2015

University of Illinois Chicago- Chicago, IL

- Lab Instructor for KN 251/252, *Human Anatomy and Physiology* - Taught anatomical structures using human cadavers, models, and electronic media. 8/2015 - 05/2016
- Lab Instructor for KN 452, *Advanced Exercise Physiology* - Guided students in field-related research, experimental design, literature review, and hypothesis formation and testing. 08/2011 - 05/2012
- Lab Instructor for KN 352, *Principles of Exercise Physiology* - Instructed students on use of basic equipment used in the research setting. 06/2011 - 08/2011
- Lab Instructor for KN 343, *Advanced Exercise Assessment* - Instructed students on proper methods and modalities used in clinical setting and for basic fitness assessment. 01/2011 - 05/2011
- Class Instructor for KN 137, *Aerobic Conditioning* - Instructed an activities-based group fitness class. 08/2010 - 05/2011

MENTORING EXPERIENCE:

Auburn University- Auburn, AL

PhD Students

- Nina Stute M.S. – 08/2022 – present (**Primary Mentor**)
- Chloe Jones M.S. – 03/2022 – present (Committee Member)
- Meral Culver M.S. – 05/2021 – present (**Primary Mentor**)
- Soolim Jeong M.S. – 08/2021 – present (**Primary Mentor**)
- Mason McIntosh M.S. – 08/2021 – present (Co-mentor, Committee Member)
- Kevin Decker Ph.D. – 09/2020 – 07/2021 (Outside committee Member, Virginia Commonwealth University)
- Morgan Smith Ph.D. – 08/2020 – 05/2022 (Committee Member)
- Braxton Linder M.S. – 07/2020 – present (**Primary Mentor**)
- Christie Clifton M.S. – 07/2020 – present (Committee Member)
- Olivia Nichols Ph.D. – 04/2020 – present (Committee Member)
- Dulce Gomez M.S. – 03/2020 – 05/2022 (**Committee Co-chair**)

Master Students

- McKenna Tharpe M.S. – 08/2020 – 07/2022 (**Primary Mentor**)
- Alex Barnett M.S. – 08/2019 – 07/2021 (**Primary Mentor**)

Undergraduate

- Sydney Jones – American Heart Association HBCU Scholars Program – 09/2021 – 05/2022
- Sarah Nix – Auburn University Undergraduate Research Fellow - 01/2020 – 12/2020 (Faculty Mentor)
Supported by \$1000 Fall 2020 Auburn University College of Science and Math Undergraduate Research Fellowship
- William Tucker – Honors College Thesis 02/2021 – 05/2021 (2nd reader, outside committee member, University of South Carolina)

CERTIFICATES & MEMBERSHIPS:

11/2019	UAB CCTS Case Studies in Mentoring Completion Certificate
01/2019 - present	APS International Physiologists Committee (01/19-12/21)
06/2018 - present	Member – American Autonomic Society (AAS)
11/2016 - present	Member - American College of Sports Medicine (ACSM)
10/2014 - present	Member - American Heart Association (AHA)
12/2013 - 12/2015	Student Member - International Society of Sports Nutrition
11/2012 - 12/2017	Member - Microcirculatory Society (MCS)
10/2012 - present	Member - The American Physiological Society (APS)
10/2010 - present	American Heart Association certification in CPR & AED
05/2010 - present	National Strength & Conditioning Association (NSCA) Certified Strength & Conditioning Specialist (CSCS)
11/2008 - 12/2017	NSCA Certified Personal Trainer
08/2008 - present	Red Cross certification in First Aid; Emergency Responder
01/2008 - 5/2010	University of Indianapolis Exercise Science Club
07/2007 - present	Member - National Strength & Conditioning Association

PROFESSIONAL SERVICE:

10/2202	Abstract reviewer for the 2023 Southeastern chapter of the American College of Sports Medicine Annual Meeting
09/2022	Symposium Organizer and Chair <i>High Dietary Salt and Altered Neurovascular Control: Exercise Blood Pressure, Women's Health and Novel Therapeutic Targets?</i> 2022 ACSM Integrative Physiology of Exercise Conference
06/2022	<i>Ad hoc</i> early career reviewer for the NHLBI Mentored Clinical and Basic Science Study Section
06/2022	Symposium Organizer and Chair <i>Racial/Ethnic differences in blood pressure and vascular responses to exercise: what we know and where we are heading?</i> ACSM 2022 World

	Congress on the Basic Science of Exercise and Vascular Health.
06/2022	ACSM Leadership and Diversity Training Program (LDTP) Level III Coordinator (for American College of Sports Medicine Annual Meeting 2022)
03/2022	Moderator and discussant for Society of Behavioral Sleep Medicine Research Webinar - Disparities in Sleep-Wake Problems Between Black and White Americans: Mediating Mechanisms, Longitudinal Evidence, and Directions for Future Research by Thomas Fuller-Rowell, PhD March 2 nd , 2022
01/2022 - present	Editorial Board, Journal of Applied Physiology
12/2021 - 09/2022	Planning Committee, 2022 APS/ACSM Integrative Physiology of Exercise Meeting
11/2021	Gave a seminar and mentoring session for the University of Missouri MARC Scholars program Nov 17 th , 2021
06/2021	Ad hoc grant reviewer, study section member for NIH Delaware INBRE, June 29 th , 2021
04/2021 - present	Editorial Board, reviewing editor: Frontiers of Physiology; Cardiovascular Physiology, Autonomic Neuroscience
12/2020 - present	Editorial Board, AJP Heart & Circulatory Physiology
10/2020 - present	Editorial Board, Autonomic Neuroscience
11/2020	Judge for 2020 ABRCMS - Critique and provide feedback for poster and oral sessions.
07/2020 - 12/2020	Guest Associate Editor for American Journal of Physiology-Heart & Circulatory Physiology special call for papers on racial differences in cardiovascular and cerebrovascular physiology
09/2020	ACSM Fellowship Task Force, Member
08/2020	Auburn University Health Disparities Research Initiative, Member – contribute to symposia and quarterly newsletter
11/2019	Judge for 2019 ABRCMS - Critique and provide feedback for poster and oral sessions.
10/2019 - present	Science and Research Committee, Society for Behavioral Sleep Medicine
08/2019	Travel Scholarship reviewer for Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
04/2019	Horwitz/Horowitz Undergrad Research Awards poster judge at Experimental Biology meeting, April 7, 2019
02/2019	University of Delaware College of Health Science (CHS) Research day poster judge, Feb 1 st , 2019
01/2019	International Early Career Physiologist (IECP) Travel Award judge
11/2018	Judge for 2018 ABRCMS - Critique and provide feedback for poster and oral sessions.

11/2018	Symposia Moderator: Is it Time for Heart Failure Patients to HIIT the Weights? Speaker: Pete Brubaker, PhD, FACSM, Annual Meeting of the MARC ACSM. November 2 nd , 2018.
11/2018	Panel member, "Meet the Experts" - Session on navigating Exercise Science careers for undergraduates at Annual Meeting of the MARC ACSM. November 2 nd , 2018.
07/2018 - 08/2018	Travel Scholarship reviewer for Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
10/2017 - 12/2017	Member, Search Committee for Postdoctoral Research Associate under 2R01HL104106 (Committee Chair; David G. Edwards), University of Delaware
10/2017	Panel Member, "Transitioning from grad school to post doc to professorship", KAAP 801 Graduate Seminar in Applied Physiology, University of Delaware
07/2017	APS Ethics Modules, Pilot tester
08/2012 - 05/2015	UIC Graduate Student Council (GSC); (08/2014) Appointed as GSC Finance Sub Committee member

COMMUNITY SERVICE:

06/2022	Auburn University Truman Pierce Institute's 21st Century Community Learning Center Summer Camps. Our laboratory provided demonstrations on exercise, blood pressure regulation, and blood flow. June 6 th and June 13 th , 2022.
04/2022	Volunteer, Bethel #1 Missionary Baptist Church Annual Wellness Fair, Opelika, AL
06/2021	Auburn University Truman Pierce Institute's 21st Century Community Learning Center Summer Camps. Our laboratory provided demonstrations on exercise, blood pressure regulation, and blood flow. June 14 th and June 21 st , 2021.
05/2021	STEM Expo Zoom event for Athletes for Charity - Provided a seminar on dietary sodium, eating choices and heart health for over 100 middle school children from underrepresented and disadvantaged backgrounds. May 18 th , 2021
08/2019	Loachapoka High School "Back to School Bash". Assisted with blood pressure screening event. August 3, 2019.
04/2018	"Help a Future Scientist Out" Served as a conference tour guide at Experimental Biology 2018 for area minority high school students.
04/2018	Blood pressure screening event Christiana Mall, Newark, DE. April 7, 2018 - performed blood pressure measures, educated, and provided snacks to shoppers.
03/2018	Attending member, ACSM Capitol Hill Day. March 7, 2018 - Meetings with Members of Congress and Staff regarding Physical Activity Recommendations (PAR) Act & Personal Health Investment Today (PHIT) Act.

12/2017 - 05/2019	Mentor at Newark High school, Newark, DE via the Connecting Generations Program.
12/2016 - 07/2019	Volunteer dog walker, Faithful Friends (Animal Shelter), Wilmington, DE
06/2014 - 08/2016	Steering Cmtee, volunteer Taylor Street Farms, Chicago, IL
04/2015 - 12/2015	Applied Health Sciences Student Council (UIC)
04/2015	Volunteer, " <i>Not on My Campus</i> " campaign against secondhand smoke, UIC– Lay friendly presentation on CV effects of smoke (04/22/2015), Chicago, Illinois
02/2014	Volunteer, Advocates for Urban Agriculture, 2014 Urban Livestock Expo and Chicago's Good Food Fest 2014 (02/22/2014), Chicago, IL
05/2010 - 07/2012	Volunteer Community Gardener, Unity Gardens of South Bend, South Bend, IN
05/2010	Volunteer/Fundraiser, South Bend C.A.R.E (Community Animal Rescue Effort), South Bend, IN
04/2009	Volunteer, University of Indianapolis Campus Cleanup, Indianapolis, IN

MEDIA (SCIENCE DISSEMINATION):

- AJP Heart and Circulatory Physiology podcast
 - Host, [Daylight Saving Time and Cardiovascular Risk](#). August 2, 2022
 - Host, [Incorporating Sex as a Biological Variable into Basic and Clinical Research Studies](#). March 18, 2022
 - Guest expert, [Left Ventricular Dyssynchrony in Young Bodybuilders](#). September 15, 2021
 - Corresponding author, [Exercise Averts High Pressure-Induced Vascular Dysfunction](#). May 3, 2017
- Featured on the Sigma Nutrition Podcast; episode #457, [Salt Sensitive vs Salt Resistant, Impacts of Sodium on Health, & Racial Differences in Risk](#). October 10th, 2022
- 2020 – 2021 Regular contributor on [The Physiology Forum](#) Podcast led by Edwin Miranda, MS.
- Served a guest expert on the Science & Chill Podcast; episode #5 [Blood Pressure, Nutrition, and Exercise Performance](#). March 27th, 2020
- Featured on the Auburn University Newsroom Feb 19, 2020
http://ocm.auburn.edu/newsroom/news_articles/2020/02/191117-kinesiology-research.php
- Featured Q & A blog post in "Auburn KINEversity: 5 questions with the experts". Featured January 22, 2019 for College of Education webpage: <https://bit.ly/2RcLx2l>

- Podcast: *Exercise Averts High Pressure-Induced Vascular Dysfunction*. Featured May 3, 2017 on the Am J Physiol Heart Circ Physiol Podcast: <https://ajpheart.podbean.com/e/exercise-averts-high-pressure-induced-vascular-dysfunction/>
- Podcast: *HADPG Podcast 01 Evidence Based Practice Vascular Health & Dietary Nitrate*. Healthy Aging Dietetic Practice Group. Podcast reserved for members. <https://www.hadpg.org/>

RELEVANT MEETINGS AND WORKSHOPS ATTENDED:

08/2020	University of Colorado Sleep and Circadian Summer School. August 5-7. E-meeting held on Zoom
07/2020	NHLBI PRIDE Cardiovascular Disease Comorbidities, Genetics, & Epidemiology (CVD-CGE) Summer Institute 2; July 27-31, August 10-14, St. Louis, MO
09/2019	Society of Behavioral Sleep Medicine Scientific Meeting. Attended September 14-15. Birmingham, AL
09/2019	University of Alabama at Birmingham (UAB) Center for Exercise Medicine 7 th Annual Symposium. September 13, Birmingham, AL
07/2019	NHLBI PRIDE Cardiovascular Disease Comorbidities, Genetics, & Epidemiology (CVD-CGE) Summer Institute 1; July 18-31, St. Louis, MO
05/2019	NIH 2019 Regional Seminar: Program Funding and Grants Administration; May 16-17, Baltimore, MD
01/2017	University of Delaware Grant Writing Workshop 2017: "Write Grant Winning Applications"; Jan 30, Newark, DE
06/2016	Society for Redox Biology and Medicine Redox Symposium; methodological and cutting-edge research presentations from leaders in the field of redox biology; June 10, Chicago, IL