

Audrey J. Stone, PhD
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Austin, TX 78712
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EDUCATION

Ph.D.	December 2010	University of Arkansas, Fayetteville, AR Kinesiology
M.S.	May 2007	University of Arkansas, Fayetteville, AR Kinesiology
B.S.	May 2005	University of Arkansas at Little Rock, Little Rock, AR Health Science

CERTIFICATIONS

Post Masters Certificate in Educational Statistics and Research Methods, University of Arkansas
Certified Athletic Trainer (ATC), Board of Certification for the National Athletic Training Association
Licensed Athletic Trainer, Texas State Board of Athletic Training
Licensed Athletic Trainer, Arkansas State Board of Athletic Training
Certified Strength and Conditioning Specialist (CSCS)
First aid and CPR (American Heart Association)

PROFESSIONAL EXPERIENCE

Associate Professor, Department of Kinesiology and Health Education, The University of Texas at Austin, Austin, TX, September 2022- present

Assistant Professor, Department of Kinesiology and Health Education, The University of Texas at Austin, Austin, TX, August 2015- August 2022

Research Associate, Heart and Vascular Institute, Pennsylvania State College of Medicine, Hershey, PA, July 2014- July 2015

Post-Doctoral Fellow, Heart and Vascular Institute, Pennsylvania State College of Medicine, Hershey, PA, January 2011- June 2014

Adjunct Professor, Athletic Training Program, Department of Health Science, Kinesiology, Recreation, and Dance, University of Arkansas, Fayetteville, AR, August 2010- December 2010

Adjunct Professor, Anatomy and Physiology, Department of Biology, Northwest Arkansas Community College, Bentonville, AR, August 2010- December 2010

Research Assistant, Department of Health Science, Kinesiology, Recreation, and Dance, University of Arkansas, Fayetteville, AR, August 2008- August 2010

Athletic Trainer, University of Arkansas Women's Soccer team, University of Arkansas, Fayetteville, AR, August 2007- July 2008

PUBLICATIONS (peer reviewed)

*Student/postdoc advisees; *Senior author/project lead*

38. *Huo Y, AK Grotle, RK McCuller, M Samora, KL Stanhope, PJ Havel, ML Harrison & *AJ Stone. (In review) Exaggerated Exercise Pressor Reflex in Male UC Davis Type 2 Diabetic Rats is Due to the Pathophysiology of the Disease and not Aging. Frontiers in Physiology.*

37. ***Stone AJ**, MP Kaufman. (2021). Thin-fiber muscle afferents possessing TRPV1 receptors evoke the muscle metaboreflex. *Am J Physiol Regul Integr Comp Physiol*, 321, R523-R524.

36. Grotle AK, J Kaur, **AJ Stone**, P Fadel. (2021). Neurovascular Dysregulation during Exercise in Type 2 Diabetes. *Frontiers in Physiology: Exercise Physiology*, 228, 1-24.

35. *Grotle AK, Y Huo, ML Harrison, KM Ybarbo, *AJ Stone. (2020). GsMTx-4 normalizes the exercise pressor reflex evoked by intermittent muscle contraction in early-stage type 1 diabetic rats. Am J Physiol Heart Circ Physiol*, 320, H1738-H1748.

34. *Huo Y, AK Grotle, KM Ybarbo, J Lee, ML Harrison, *AJ Stone. (2020). Effects of acute hyperglycemia on the exercise pressor reflex in healthy rats. Auton Neurosci*, 229, 1-7.

33. *Grotle AK, Y Huo, ML Harrison, J Lee, KM Ybarbo, *AJ Stone. (2020). Effects of type 1 diabetes on reflexive cardiovascular responses to intermittent muscle contraction. Am J Physiol Regul Integr Comp Physiol*, 319, R358-R365.

32. *Grotle AK, VG Macefield, WB Farquhar, DS O'Leary, *AJ Stone. (2020). Recent advances in exercise pressor reflex function in health and disease. Auton Neurosci*, 228, 1-24.

31. *Lee J, *AJ Stone. (2020). Combined Aerobic and Resistance Training for Cardiorespiratory Fitness, Muscle Strength, and Walking Capacity after Stroke: A Systematic Review and Meta-Analysis. J Stroke Cerebrovasc Dis*, 29(1), 1-12.

30. *Grotle AK, *AJ Stone. (2019). Exaggerated exercise pressor reflex in type 2 diabetes: Potential role of oxidative stress. Auton Neurosci*, 222, 1-11.

29. *Lee J, R Lee, *AJ Stone. (2019). Combined Aerobic and Resistance Training for Peak Oxygen Uptake, Muscle Strength, and Hypertrophy after Coronary Artery Disease: A Systematic Review and Meta-Analysis. J Cardiovasc Transl Res*, 13, 601-611.

28. Grotle AK, CK Crawford, Y Huo, KM Ybarbo, ML Harrison, JL Graham, KL Stanhope, PJ Havel, PJ Fadel, ***AJ Stone**. (2019). Exaggerated cardiovascular responses to muscle contraction and tendon stretch in UCD type-2 diabetes mellitus rats. *Am J Physiol Heart Circ Physiol*, 318(2), H497-H486.
27. Grotle AK, EA Garcia, ML Harrison, Y Huo, CK Crawford, KM Ybarbo, ***AJ Stone**. (2018). Exaggerated mechanoreflex in early stage type 1 diabetic rats: Role of Piezo channels. *Am J Physiol Regul Integr Comp Physiol*, 316(5), R417-R426.
26. Harms J, **AJ Stone**, MP Kaufman. (2018). Peripheral Mu-Opioid receptors attenuate the responses of Group III and IV Afferents to Contraction in Rats with Simulated Peripheral Artery Disease. *J Neurophysiol*, 119(6), 2052-2058.
25. Grotle AK, EA Garcia, Y Huo, ***AJ Stone**. (2017). Temporal changes in the exercise pressor reflex in type 1 diabetic rats. *Am J Physiol Heart Circ Physiol*, 313(4), H708-714.
24. Oliver GD, **AJ Stone**, J Washington. (2016). Hamstring and Gluteal Muscle Activation During the Assessment of Dynamic Movements. *International Journal of Athletic Therapy & Training*, 21(4), 30-33.
23. **Stone AJ**, SW Copp, Kim JS, MP Kaufman. (2015). Combined, but not individual, blockade of ASIC3, P2X, and EP4 receptors attenuates the exercise pressor reflex in rats with freely perfused hindlimb muscles. *J Appl Physiol*, 119(11), 1130-1136.
22. **Stone AJ**, SW Copp, MP Kaufman. (2015). Role played by NaV 1.7 channels on thin fiber muscle afferents in transmitting the exercise pressor reflex. *Am J Physiol Regul Integr Comp Physiol*, 309(10), R1301-R1308.
21. Copp SW, **AJ Stone**, J Li, MP Kaufman. (2015). Role played by interleukin-6 in evoking the exercise pressor reflex in decerebrate rats: effect of femoral artery ligation. *Am J Physiol Heart Circ Physiol*, 309(1), H166-H173.
20. **Stone AJ**, SW Copp, MP Kaufman. (2015). Femoral artery ligation increases the responses of thin fiber muscle afferents to contraction. *J Neurophysiology*, 113(10), 3961-3966.
19. **Stone AJ**, MP Kaufman. (2014). The exercise pressor reflex and peripheral artery disease. *Auton Neurosci*, 188, 69-73.
18. **Stone AJ**, SW Copp, MP Kaufman. (2014). The role of prostaglandins in spinal transmission of the exercise pressor reflex in decerebrate rats. *Neuroscience*, 277, 26-35.
17. Copp SW, **AJ Stone**, K Yamauchi, MP Kaufman. (2014). Effects of peripheral and spinal K-opioid receptor stimulation on the exercise pressor reflex in decerebrate rats. *Am J Physiol Regul Integr Comp Physiol*, 307(30), R281-R289.
16. Yamauchi K, **AJ Stone**, MP Kaufman. (2014). Hindlimb venous distention evokes a pressor reflex in decerebrated rats. *Physiol Rep*, 2(6), 1-12.

15. **Stone AJ**, KW Evanson, HA Kluess. (2014). ATP metabolism in skeletal muscle arterioles. *Physiol Rep*, 2(1), 1-8.
14. **Stone AJ**, K Yamauchi, MP Kaufman. (2014). Purinergic 2X receptors play a role in evoking the exercise pressor reflex in rats with peripheral artery insufficiency. *Am J Physiol Heart Circ Physiol*, 306(30), H396-H404.
13. Yamauchi K, H Tsuchimochi, **AJ Stone**, SD Stocker, MP Kaufman. (2014). Increased dietary salt intake enhances the exercise pressor reflex. *Am J Physiol Heart Circ Physiol*, 306(3), H450-H454.
12. Leal AK, **AJ Stone**, K Yamauchi, JL McCord, MP Kaufman. (2013). Blockade of B2 receptors attenuates the responses of group III afferents to static contraction. *Neuroscience Letters*, 555, 231-236.
11. Yamauchi K, JS Kim, **AJ Stone**, V Ruiz-Velasco, MP Kaufman. (2013). Endoperoxide 4 receptors play a role in evoking the exercise pressor reflex in rats with simulated peripheral artery disease. *J. Physiol*, 591(11), 2949-2962.
10. **Stone AJ**, JS Kim, V Ruiz-Velasco, MP Kaufman. (2013). Attenuation of autonomic reflexes by A803467 may not be solely caused by blockade of NaV 1.8 channels. *Neuroscience Letters*, 543, 177-182.
9. Evanson KW, **AJ Stone**, E Samraj, T Benson, R Prisby, HA Kluess. (2012). Influence of estradiol supplementation on neuropeptide Y neurotransmission in skeletal muscle arterioles of F344 rats. *Am J Physiol Regul Integr Comp Physiol*, 303(6), R651-R657.
8. Yamauchi K, **AJ Stone**, SD Stocker, MP Kaufman. (2012). Blockade of ATP-sensitive potassium channels prevents the attenuation of the exercise pressor reflex by tempol in rats with ligated femoral arteries. *Am J Physiol Heart Circ Physiol*, 303(3), H332-H340.
7. Kluess HA, J Stafford, KW Evanson, **AJ Stone**, J Worley, RF Wideman. (2012). Intrapulmonary arteries respond to serotonin and ATP in broiler chickens susceptible to idiopathic pulmonary arterial hypertension. *Poultry Science*, 91(6), 1432-1440.
6. Hall J, GD Oliver, **AJ Stone**. (2012). Comparison of active, passive and proprioceptive neuromuscular facilitation stretching for achieving glenohumeral internal rotation. *Journal of Athletic Training and Sports Health Care*, 4, 1-7.
5. Oliver GD, **AJ Stone**, JW Wyman, IN Blazquez. (2012). Muscle activation of the torso during the modified razor curl hamstring exercise. *International Journal of Sports Physical Therapy*, 7(1), 49-57.
4. Oliver GD, **AJ Stone**, JM Booker, HA Plummer. (2011). A kinematic and kinetic analysis of drop landings in military boots. *Journal of the Royal Army Medical Corps*, 157(3), 218-221.

3. Evanson KW, **AJ Stone**, AL Hammond, HA Kluess. (2011). Neuropeptide Y overflow and metabolism in skeletal muscle arterioles. *J Physiol*, 589(13), 3309-3318.
2. Kluess HA, **AJ Stone**, KW Evanson. (2010). ATP overflow in skeletal muscle arterioles. *J Physiol*, 588(16), 3089-3100.
1. Oliver GD, **AJ Stone**, H Plummer. (2010). Electromyographic Examination of Selected Muscle Activation during Isometric Core Exercises. *Clinical Journal of Sport Medicine*, 20(6), 452-457.

INVITED RESEARCH PRESENTATIONS

Stone AJ. (2022, September) Effects of Type 1 diabetes on the exercise pressor reflex. Autonomic Control of Circulation for Health and Disease Virtual Symposium. Michigan Tech University, Department of Kinesiology & Integrative Physiology. (virtual)

Stone AJ. (2022, April) Effects of diabetes on cardiovascular responses to exercise. Texas Chapter of the American College of Sports Medicine Spring Lecture Tour. Texas State University, Department of Health and Human Performance, San Marcos, TX.

Stone AJ. (2022, March) Effects of diabetes on cardiovascular responses to exercise. Texas Chapter of the American College of Sports Medicine Spring Lecture Tour. University of Texas at Arlington, Department of Kinesiology, Arlington, TX.

Stone AJ. (2022, March) Studying cardiovascular responses to exercise: from animal to human. Texas Chapter of the American College of Sports Medicine Spring Lecture Tour. Rice University, Department of Kinesiology, Houston, TX.

Stone AJ. (2022, March) Effects of diabetes on cardiovascular responses to exercise. Texas Chapter of the American College of Sports Medicine Spring Lecture Tour. Texas A&M University- Kingsville, Department of Health and Kinesiology, Kingsville, TX.

Stone AJ. (2022, March) Effects of diabetes on cardiovascular responses to exercise. Texas Chapter of the American College of Sports Medicine Spring Lecture Tour. University of Texas at El Paso, Department of Kinesiology, El Paso, TX.

Stone AJ. (2021, September) Recent advances in the exercise pressor reflex in diabetes. RFA5800 Seminar Series on Basic to Translational Sciences. Departments of Molecular and Cellular Biology, Biochemistry and Immunology, Pharmacology and Physiology of the Ribeirao Preto Medical School of the University of Sao Paulo. (virtual)

Stone AJ. (2021, April) Effects of diabetes on the exercise pressor reflex. University of Delaware, Department of Kinesiology and Applied Physiology.

Stone AJ. (2019, July) *Exercise pressor reflex function in diabetes*. International Society for Autonomic Neuroscience, Los Angeles, CA.

Stone AJ. (2018, August) *Autonomic control of circulation during exercise in health and disease*. The Institute for Neuroscience, University of Texas at Austin, Austin, TX.

Stone AJ. (2018, July) *Effects of Diabetes on the Exercise Pressor Reflex.* Heart and Vascular Institute, Penn State College of Medicine, Hershey PA.

Stone AJ. (2018, April) *Effects of Diabetes on the Exercise Pressor Reflex.* Battle of the Reflexes: Chemo- Versus Baroreflexes during Physiological Stressors, Aging and Cardiovascular Disease. Experimental Biology Annual Meeting, San Diego, CA.

Stone AJ. (2018, April) *Effects of Diabetes on Blood Pressure Responses during Exercise.* Clinical Translational Research Forum, University of Texas at Arlington, Arlington, TX.

Stone AJ. (2018, March) *Exercising with Diabetes: Can Our Cardiovascular System Handle It?* Texas Chapter of the American College of Sports Medicine Annual Meeting, Austin, TX.

Stone AJ. (2016) *The exercise pressor reflex in health and disease.* Texas A&M Department of Health and Kinesiology, College Station, TX.

Stone AJ. (2015, March) *Femoral artery ligation increases the responses of thin fiber afferents to contraction.* Experimental Biology Annual Meeting, Boston, MA.

Stone, AJ. (2014, October) *Role of metabolites in the generating the exercise pressor reflex in PAD.* Mid-Atlantic Chapter of the American College of Sports Medicine Annual Meeting, Harrisburg, PA.

Stone AJ. (2009, December) *Measurement of purinergic neurotransmission in skeletal muscle arterioles.* Central States Chapter of the American College of Sports Medicine Annual Meeting, Columbia, MO.

Stone AJ. (2009, July) *Heat illness and prevention.* University of Arkansas Graduate Athletic Training, Fayetteville, AR.

Stone AJ. (2009, July) *Exercise in the Heat.* Department of Health Science, Kinesiology, Recreation, and Dance, University of Arkansas, Fayetteville, AR.

Stone AJ. (2008, December) *Clinical application of ultrasound and electrical stimulation.* University of Arkansas Graduate Athletic Training, Fayetteville, AR.

ABSTRACTS and POSTER PRESENTATIONS

*Student/postdoc advisees; *Senior author/project lead*

*Huo Y, B Bell, M Samora, J Graham, KL Stanhope, PJ Havel, ML Harrison, *AJ Stone.* Pro-inflammatory Cytokine IL-1 β Contributes to the Exaggerated Exercise Pressor Reflex in UC, Davis-Type 2 Diabetes Mellitus Rats. Experimental Biology, Philadelphia, PA, April 2022.

*Huo Y, JD Herrera, J Graham, KL Stanhope, PJ Havel, **AJ Stone**, ML Harrison.* Using HbA1c to Diagnose Diabetes in the UC, Davis-Type 2 Diabetes Mellitus Rat Model. Texas Chapter of the American College of Sports Medicine, Waco, TX, February 2022.

*Huo Y, AK Grotle, J Lee, J Graham, KL Stanhope, PJ Havel, ML Harrison, ***AJ Stone**.* Exaggerated Exercise Pressor Reflex During the Progression of Type 2 Diabetes Mellitus is Independent of Aging. Experimental Biology, April 2021 (virtual).

*Bell B, KM Ybarbo, J Lee, Y Huo, J Graham, KL Stanhope, PJ Havel, **AJ Stone**, ML Harrison.* Circulating NGF is correlated with indexes of diabetes progression and P2X3 expression in UCD-T2DM rats. Experimental Biology, April 2021 (virtual).

*Herrera JD, AK Grotle, Y Huo, ML Harrison, ***AJ Stone**.* Sex Differences in the Augmented Metaboreflex in Type 1 Diabetic Rats. Texas Chapter of the American College of Sports Medicine, February 2021 (virtual).

*Huo Y, AK Grotle, ML Harrison, ***AJ Stone**.* Acute Effect of Hyperglycemia on the Mechanoreflex and Metaboreflex. American College of Sports Medicine Annual Meeting, San Francisco, CA, May 2020 (virtual).

*Grotle AK, Y Huo, KM Ybarbo, J Lee, ML Harrison, ***AJ Stone**.* Contribution of TRPC channels in evoking the exercise pressor reflex and mechanoreflex in healthy and type 1 diabetic rats (oral presentation). Experimental Biology, San Diego, CA, April 2020 (virtual).

*Huo Y, AK Grotle, J Lee, KM Ybarbo, J Graham, KL Stanhope, PJ Havel, ML Harrison, ***AJ Stone**.* Exercise Pressor Reflex in UC Davis Type-2 Diabetes Mellitus (UCD-T2DM) Rats Prior to the Onset of Diabetes. Experimental Biology, San Diego, CA, April 2020 (virtual).

*Huo Y, AK Grotle, ML Harrison, ***AJ Stone**.* Acute Effect of Hyperglycemia on the Mechanoreflex and Metaboreflex. Texas Chapter of the American College of Sports Medicine, Waco, TX, February 2020.

*Lee J, **AJ Stone**, ML Harrison.* Detection of P2X3 in DRG Using an Automated Approach to Immunoblotting, Jess. Texas Chapter of the American College of Sports Medicine, Waco, TX, February 2020.

*Grotle AK, Y Huo, K Ybarbo, ***AJ Stone**.* Pressor response to intermittent contraction in type 1 diabetic rats: role of Piezo channels (oral presentation). International Society for Autonomic Neuroscience, Los Angeles, CA, July 2019.

*Grotle AK, Y Huo, KM Ybarbo, ***AJ Stone**.* Exaggerated Pressor Response to Intermittent Contraction in Type 1 Diabetic Rats. Experimental Biology, Orlando, FL, April 2019.

*Huo Y, AK Grotle, KM Ybarbo, ***AJ Stone**.* The Acute Effect of Hyperglycemia on the Exercise Pressor Reflex. Experimental Biology, Orlando, FL, April 2019.

- Ybarbo KM, AK Grotle, Y Huo, *AJ Stone.* Changes in Pain Threshold in the Early Stages of Type I Diabetes. Experimental Biology, Orlando, FL, April 2019.
- Grotle AK, Y Huo, J Graham, KL Stanhope, PJ Havel, *AJ Stone.* Augmented Mechanoreflex in Type 2 Diabetic Rats: Piezo channels, an Important Part of the Puzzle? American College of Sports Medicine Annual Meeting, Minneapolis, MN, May 2018.
- Grotle AK, Y Huo, ML Harrison, J Graham, KL Stanhope, PJ Havel, PJ Fadel, *AJ Stone.* Type 2 Diabetic Rats Develop Exercise Pressor Reflex Dysfunction Over Time: New Insight Into Aging With Diabetes. Experimental Biology, San Diego, CA, April 2018.
- Huo Y, AK Grotle, ML Harrison, J Graham, KL Stanhope, PJ Havel, *AJ Stone.* Inflammatory Cytokines and Biomarkers in Aging Type 2 Diabetic Rats. Experimental Biology, San Diego, CA, April 2018.
- Crawford CK, K Ybarbo, AK Grotle, Y Huo, J Graham, KL Stanhope, PJ Havel, *AJ Stone.* The Development and Progression of Mechanical Allodynia in UC, Davis Type 2 Diabetic Rats. Experimental Biology, San Diego, CA, April 2018.
- Harms JE, AJ Stone, MP Kaufman.* Peripheral DAMGO decreases Group III and IV afferents' responses to contraction in rats whose femoral arteries are occluded. Experimental Biology, San Diego, CA, April 2018.
- Ybarbo K, Grotle AK, *AJ Stone.* Creating a Type I Diabetic Rat with Streptozotocin. Texas Chapter of the American College of Sports Medicine, Austin, TX, March 2018.
- Crawford CK, AK Grotle, Y Huo, K Ybarbo, *AJ Stone.* Functional Hyperemia is attenuated in Type 1 Diabetic Rats Following Hind Limb Contraction. Texas Chapter of the American College of Sports Medicine, Austin, TX, March 2018.
- Grotle AK, Y Huo, J Graham, KL Stanhope, PJ Havel, *AJ Stone.* Augmented Mechanoreflex in Type 2 Diabetic Rats: Piezo channels, an Important Part of the Puzzle? Texas Chapter of the American College of Sports Medicine, Austin, TX, March 2018.
- Huo Y, ML Harrison, *AJ Stone.* Pro-inflammatory Cytokine Interleukin-6 is Upregulated in Early Stage Type 1 Diabetic Rats. Texas Chapter of the American College of Sports Medicine, Austin, TX, March 2018.
- *Stone AJ, AK Grotle, EA Garcia.* Effects of Type 1 Diabetes on the Exercise Pressor Reflex in Rats. Experimental Biology, Chicago, IL, April 2017.
- Grotle AK, EA Garcia, *AJ Stone.* Similar Effects of Type 1 Diabetes on the Pressor Reflex in Male and Female Rats. Experimental Biology, Chicago, IL, April 2017.
- Garcia EA, AK Grotle, *AJ Stone.* Early Stage Type 1 Diabetes Augments the Mechanoreflex in Rats. Experimental Biology, Chicago, IL, April 2017.
- Garcia EA, *AJ Stone.* Effects of Type 1 Diabetes on the Mechanoreflex in Rats. Texas Chapter of the American College of Sports Medicine, Waco, TX, February 2017.

*Grotle AK, *AJ Stone.* Exercise Pressor Reflex in Type 1 Diabetic Rats is not different between males and females. Texas Chapter of the American College of Sports Medicine, Waco, TX, February 2017.

*Huo Y, *AJ Stone.* Pressor and Cardioaccelerator Responses to ATP and Lactic Acid in Type 1 Diabetic Rats. Texas Chapter of the American College of Sports Medicine, Waco, TX, February 2017.

*Selman WR, ML Harrison, *AJ Stone.* Quantification Method of P2X3 Receptors in Rat DRG Neurons: Western Blotting. Texas Chapter of the American College of Sports Medicine, Waco, TX, February 2017.

Stone AJ, SW Copp, MP Kaufman. Role of NaV 1.7 channels on skeletal muscle afferents in evoking the exercise pressor reflex. *FASEB J*, April 2015.

Stone AJ, SW Copp, JL McCord, MP Kaufman. Femoral artery ligation increases the responses of thin fiber afferents to contraction. *FASEB J*, April 2015.

Copp SW, AJ Stone, MP Kaufman. IL-6 administration increases the exercise pressor reflex. *FASEB J*, April 2015.

Stone AJ, K Yamauchi, MP Kaufman. Purinergic 2X receptors play a role in evoking the exercise pressor reflex in rats with peripheral artery insufficiency. *FASEB J*, April 2014, 28:1165.6.

Leal AK, AJ Stone, K Yamauchi, MP Kaufman. Bradykinin 2 receptor blockade attenuates the responses of group III afferents to contraction in decerebrate cats. *FASEB J*, April 9, 2013 27:943.16.

Stone AJ, JS Kim, MP Kaufman. The role played by Nav1.8 channels in the somatic pressor chemoreflex. *FASEB J*, April 9, 2013 27:943.7.

Oliver GD, AJ Stone, W Weimar. Effects of shoulder fatigue on ground reaction forces in softball players. *Medicine and Science in Sports and Exercise*, 2013; 45:5 supplement.

Stone, AJ, K Yamauchi, AK Leal, MP Kaufman. ATPyS does not potentiate the muscle chemoreflex response to lactic acid. *FASEB J*, March 29, 2012 26:1091.68.

Salom, LP, KW Evanson, AJ Stone, HA Kluess. Sex-related differences in monoamine oxidase activity. *FASEB J*, March 29, 2012 26:870.25.

Yamauchi, K, AK Leal, AJ Stone, MP Kaufman. Glibenclamide prevents the attenuation of the exercise pressor reflex by tempol in the ligated rats. *FASEB J*, March 29, 2012 26:1078.38.

Kluess, HA, KW Evanson, AJ Stone, RF Wideman. Monoamine oxidase and ATPase activity in intrapulmonary arteries in Broiler chickens with IPAH. *FASEB J*, March 29, 2012 26:870.16.

Leal, AK, K Yamauchi, **AJ Stone**, MP Kaufman. Peripheral Delta Opioid Receptors Attenuate the Exercise Pressor Reflex in Decerebrate Rats. *FASEB J*, March 29, 2012 26:1138.51.

Stone, AJ, KW Evanson, HA Kluess. The effects of short term exercise training on purinergic metabolism in skeletal muscle arterioles. *FASEB J*, March 17, 2011 25:1026.24.

Kluess HA, **AJ Stone**, KW Evanson. Pre-junctional potentiation of ATP overflow is age-dependent. *FASEB J*, March 17, 2011 25:1026.19.

Evanson KW, **AJ Stone**, HA Kluess The effects of chronic estrogen supplementation on Neuropeptide Y neurotransmission in skeletal muscle arterioles. *FASEB J*, March 17, 2011 25:1026.28.

Black D, **AJ Stone**, KW Evanson, GD Oliver. Effects of different foot conditions on sEMG of the lower leg during a back squat. *Medicine and Science in Sports and Exercise*; 2011; 43(5): 310 Supplement.

Kluess HA, **AJ Stone**, KW Evanson, WC Gilbert, L Devareddy. ATPase activity in obese Zucker rats following probiotic and linoleic acid supplemented diets. *Medicine and Science in Sports and Exercise*; 2010; 42:804-805 Supplement.

Bodiford HD, **AJ Stone**, KW Evanson, L Devareddy, HA Kluess. Dipeptidyl peptidase IV activity in ovariectomized rats following interventions to improve bone density. *Medicine and Science in Sports and Exercise*; 2010; 42:2825 Supplement.

Hammond AL, **AJ Stone**, KW Evanson, L Devareddy, HA Kluess. The effects of dietary supplements on ATPase activity in ovariectomized rats. *Medicine and Science in Sports and Exercise*; 2010; 2830, Supplement.

Stone AJ, KW Evanson, WC Gilbert, L Devareddy, HA Kluess. The impact of soy diets on ecto-ATPase activity in obese Zucker rats. *Medicine and Science in Sports and Exercise*; 2010; 2946 Supplement.

Evanson KW, **AJ Stone**, HA Kluess. Dipeptidyl peptidase IV activity in skeletal muscle conduit and resistance vessels. *Medicine and Science in Sports and Exercise*; 2010; 1530 Supplement.

Kluess HA, **AJ Stone**, KW Evanson. Modulation of ATP release in gastrocnemius muscle 1A arterioles. *FASEB J*, 24: 985.4, 2010.

Evanson KW, **AJ Stone**, HA Kluess. Monoamine oxidase activity in skeletal muscle conduit and resistance vessels. *FASEB J*, 24: 985.6, 2010.

Stone AJ, KW Evanson, HA Kluess. Age- and sex-related changes in purinergic metabolism in the skeletal muscle vasculature. *FASEB J*, 24: 985.10, 2010.

Kluess HA, **AJ Stone**, KW Evanson. ATP released from sympathetic nerve endings in skeletal muscle arterioles. *FASEB J*, 23(1):775.2, 2009.

Stone AJ, KW Evanson, HA Kluess. Gender-related differences in synaptic ecto-ATPase in skeletal muscle arteries. *FASEB J*, 23(1):775.1, 2009.

Evanson, KW, **AJ Stone**, HA Kluess. Neuropeptide Y concentration within sympathetic nerve endings of skeletal muscle arterioles. *FASEB J*, 23(1):775.3, 2009.

Kluess HA, **AJ Stone**, SC Rogers, M Kavdia. Age-related changes in fluorescent imaging of superoxide in skeletal muscle arterioles. *FASEB J*, 23(1):617.4, 2009.

Evanson KW, **AJ Stone**, HA Kluess. Vasodilation of vascular smooth muscle at different temperatures. *Medicine and Science in Exercise and Sport*, 41(5): 72, 2009.

RESEARCH FUNDING

Sponsored Research Funding- Candidate PI/co-PI/co-I, entered into RMS

Current

1. Sponsor name and funding mechanism: National Heart Lung and Blood Institute, R01 HL144723
2. UT Austin account number (OSP number): 201800404
3. Name and affiliation of PI: Audrey Stone, The University of Texas at Austin
4. Role of candidate: PI
5. Project title: "Temporal effects of inflammation on the autonomic control of circulation during exercise in type 2 diabetic rats"
6. Funding period: 2019-2023
7. No Co-PIs
8. Funding amounts by year, and amount supervised by candidates: 2019: \$307,977; 2020: \$357,511; 2021: \$282,977; 2022: \$313,260; 2023: \$289,955. All funding under my supervision.
9. For Under Review, indication of current status: N/A

Internal Research Funding- Candidate PI/co-PI/co-I

Completed

1. Sponsor name and funding mechanism: College of Education, The University of Texas at Austin, Small Research Grant
2. UT Austin account number: 19-2635-0522
3. Name and affiliation of PI: Audrey Stone, Department of Kinesiology and Health Education
4. Role of candidate: PI
5. Project title: "Exaggerated blood pressure response to exercise in type 1 diabetes: Shifting mechanisms over time"
6. Funding period: 2021
7. No Co-PIs

8. Funding amounts by year, and amount supervised by candidates: 2021: \$9,342. All funding under my supervision.
9. For Under Review, indication of current status: N/A

Completed

1. Sponsor name and funding mechanism: Vice President for Research, The University of Texas at Austin, Special Research Grant
2. UT Austin account number: 19-7604-1451
3. Name and affiliation of PI: Audrey Stone, Department of Kinesiology and Health Education
4. Role of candidate: PI
5. Project title: "Determine the role of group III and IV afferents in evoking the exercise pressor reflex in rats"
6. Funding period: 2017
7. No Co-PIs
8. Funding amounts by year, and amount supervised by candidates: 2017: \$750. All funding under my supervision.
9. For Under Review, indication of current status: N/A

Completed

1. Sponsor name and funding mechanism: College of Education, The University of Texas at Austin, Small Grants Program
2. UT Austin account number: 14-2614-4121
3. Name and affiliation of PI: Audrey Stone, Department of Kinesiology and Health Education
4. Role of candidate: PI
5. Project title: "The Exercise Pressor reflex in type 1 diabetes"
6. Funding period: 2016
7. No Co-PIs
8. Funding amounts by year, and amount supervised by candidates: 2016: \$10,000. All funding under my supervision.
9. For Under Review, indication of current status: N/A

Completed

1. College of Education, The University of Texas at Austin, Summer Research Assignment
2. UT Austin account number: 20-7500-2051
3. Audrey Stone, Department of Kinesiology and Health Education
4. Role of candidate: PI
5. Project title: "The Exercise Pressor reflex in type 1 diabetes"
6. Funding period: 2016
7. No Co-PIs
8. Funding amounts by year, and amount supervised by candidates: 2016: summer salary support.
9. For Under Review, indication of current status: N/A

Submitted, not funded

1. Principal Investigator: "Mechanisms of Type 1 Diabetes in the Autonomic Control of Circulation During Exercise"
1 R01 HL166323-01, \$ 1,959,594, 2022-2027
Impact score: 40, Percentile: 25
2. Principal Investigator: "The effects of inflammation on the autonomic control of circulation during exercise in aging type 2 diabetic rats"
1 R03 AG058072-01, \$156,500, 2017-2019
Impact score: 51, Percentile: 54
3. Co-Principal Investigator: "Programmed Thermal Contrast Therapy for Enhanced Tissue Healing"
2 R01 EB015522-05A1, \$1,984,605, 2017-2021
Impact score: 48, Percentile: 40
4. Principal Investigator: "The effects of inflammation on the autonomic control of circulation during exercise in aging type 2 diabetic rats"
American Diabetes Association Pathway Program, \$1,625,000, 2017-2021
5. Principal Investigator: "The effects of inflammation on the autonomic control of circulation during exercise in aging type 2 diabetic rats"
Gilead Sciences Research Scholars Program, \$130,000, 2017-2019
6. Principal Investigator: "Effects of type 1 diabetes on the reflexive control of circulation during exercise"
17SDG33670083 AHA- Association Wide, \$231,000, 2017-2020
7. Principal Investigator: "Effects of T1DM on the exercise pressor reflex in STZ rats"
17GRNT33400185 AHA- Association Wide, \$154,000, 2017-2018
8. Principal Investigator: "Effects of T1DM on the exercise pressor reflex in STZ rats"
17SDG33400184 AHA- Association Wide, \$231,000, 2017-2019
9. Principal Investigator: "Role of purinergic receptors on the exercise pressor reflex"
15SDG24480044 AHA- SouthWest Affiliate, \$140,000, 2016-2017
10. Principal Investigator: "Role of purinergic receptors on the exercise pressor reflex"
15SDG24480044 AHA- Association Wide, \$308,000, 2015-2019
11. Principal Investigator: "Role of purinergic receptors on the exercise pressor reflex"
15SDG24480045 AHA- Great Rivers Affiliate, \$231,000, 2015-2018

TEACHING

University of Texas at Austin, Department of Kinesiology and Health Education

Diagnosis and Evaluation of Fitness (undergraduate)

General Medical Conditions in Athletic Training (undergraduate)
 Senior Seminar in Athletic Training (undergraduate)
 Physiological Basis of Conditioning (undergraduate)
 Musculoskeletal Functional Anatomy (undergraduate)
 Advanced Exercise Physiology (graduate)
 Human Cardiovascular and Autonomic Physiology (graduate)
 Exercise as Medicine (graduate)
 Research Methods Grant Writing (graduate)

University of Arkansas, Department of Health Science, Kinesiology, Recreation, & Dance

Therapeutic Exercise Clinical (graduate)

NorthWest Arkansas Community College, Department of Biology

Anatomy and Physiology I (undergraduate)

MENTORING/ ADVISING

University of Texas at Austin

Undergraduate Student's Research- Mentor

Jennice Herrera 2020- 2021

Master's Students Thesis/Report- Chair

Elizabeth Garcia 2016- 2017
 Ashlyn Brown 2018- 2018
 Yu Huo 2016- 2018
 Kai Ybarbo 2017- 2019
 Erin Crownover 2020- 2021

Master's Students Thesis/ Report- Committee member

Alexandria Matthews 2022
 Kelsey Rode 2021
 Ryan Bjellquist-Ledge 2018
 Dakota Skinner 2018
 Anthony Wolfe 2018
 Rexi Parcels 2017
 John Akins 2017
 Charles Crawford 2017
 Stephanie Lapierre 2017
 Luke Montzingo 2016
 Lu Huang 2016

Doctoral Student's Dissertation- Chair

Junghoon Lee	2019- 2021; Doctoral student University of Houston
Yu Huo	2018- current
Ann-Katrin Grotle	2016- 2020; Associate Professor, Western Norway University of Applied Sciences

Doctoral Student's Dissertation- Committee member

Wenbai Huang	current; Exercise Science
Jessica Luther	current; Physical Culture and Sports
Brett Baker	current; Health Behavior and Health Education
Vasavi Shabrish	2022; Nutritional Sciences
Kendrea Austin	2021; Physical Culture and Sports
Bandon Fico	2019; Exercise Science
Heath Burton	2019; Exercise Science
Evan Pasha	2017; Exercise Science
Stephen Roy	2017; Exercise Science
Pei-Ling Hsieh	2016; Exercise Science
Ting- Heng Chou	2016; Exercise Science
Miriam Pearman	2016; Exercise Science
Jitanan Laosiripisan	2016; Exercise Science

Postdoctoral Fellows- Primary mentor

Balyssa B. Bell	2020- 2022; PhD University of Iowa
Milena Samora	2021- present; PhD University of Brasilia

Other Universities

Silvana Cooper	2021; Doctoral student, University of Nevada, Reno
Gargi Sivaram	2018; Undergraduate student, University of Washington
William Selman	2016; Undergraduate student, Whitman College

ACADEMIC SERVICE

University of Texas at Austin

Department

2022-2023	Committee on Diversity, Equity & Inclusion (chair)
2021- 2022	Search committee- Physical Activity & Public Health faculty position
2021- 2022	McCraw Lecture series (chair)
2021- 2022	Committee on Diversity, Equity & Inclusion
2019- 2020	Search committee- Exercise Physiology faculty position
2018- present	Exercise Physiology Area Committee (member)
2018	KHE Teaching Excellence Award committee (member)
2017, '19, '20	Department Student Recruiting Fellowship Committee (member)
2017- 2018	Search committee- Exercise Science faculty position
2017	Lead organizer for "First Time First Author"

2017	Faculty Docent for KHE Teachers Learning Together
2016, '18, '19	Department Tenure-track Faculty Merit Committee (member)
2015- present	Graduate Studies Committee (member)
2015- 2018	Exercise Science Area Committee (member)
2015- 2016	Search committee- Fitness Institute of Texas (FIT) Nutrition position
2015- 2016	Search committee- Athletic Training Faculty/Clinical Coordinator
2015	Co-organizer for "Tutorial for Organizing and Presenting Lectures"

College

2022	COE Educate Out Loud Committee (member)
2021	Dean's Distinguished Faculty Award Review Committee (member)
2019	COE Undergrad Impact Scholarship Committee (member)
2018	Interview panel member- College of Education Pre-award Sr. Grants and Contracts Specialist position

University

2018	Recreational Sports Committee (Chair)
2017	Recreational Sports Committee (Vice Chair)
2017	Commencement Marshal College of Education
2016- 2022	Recreational Sports Committee (member)

Regional

2020- present	Association for Women in STEM at UT Austin (advisory council member)
2018- present	Graduate Women in Science, Austin Chapter (national liaison)

National

2022	APS Women in Physiology Networking Event at Experimental Biology annual meeting (organizer)
2021	APS 2021 EB Martin Frank Diversity Travel Award Mentorship Program (mentor)
2020- present	American Physiological Society Women in Physiology Committee (member)
2020- present	Graduate Women in Science National Fellowship Committee (member)
2022- present	American Physiological Society- ADInstruments Mastermind Group (member)

University of Arkansas

2010	Executive Council Student Representative, Central States ACSM
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Editorial service

2019- present Associate Editor, American Journal of Physiology, Regulatory, Integrative and Comparative Physiology
 2015- present Review Editor, Frontiers in Physiology, section Exercise Physiology
 2018 Guest Editor, Circulation

Invited Presentations/Seminars

Stone AJ. (2022, March) *Supporting Women in Science Webinar*, American Physiological Society, webinar moderator.

Stone AJ. (2021, October) *MTO Dallas International Day of the Girl Child Roundtable Meeting*, MTO School of Islamic Sufism, discussion panelist.

Stone AJ. Yosten G, J Sasser, R Tostes, C Feinle-Bisset, Z Schlader, K Skibicka. (2021, October) *New Reviewer Orientation*. American Physiological Society, virtual meeting.

Stone AJ. (2021, April) *Constructive Guidance and Mentoring with Compassion*. Career Opportunities in Physiology Mentoring Symposium, Experimental Biology, virtual meeting.

Stone AJ. Proctor D, Morgan C, Leal A. (2021, April) *Picture a Scientist Film Screening*. Centenary College of Louisiana, Annual Centenary College Research Conference, discussion panelist.

Stone AJ. Yosten G. (2020, November) *Meet the Editors*. Integrative Physiology of Exercise Conference, virtual meeting.

Stone AJ. Yosten G, J Sasser, R Tostes, C Feinle-Bisset, Z Schlader, K Skibicka. (2020, October) *New Reviewer Orientation*. American Physiological Society, virtual meeting.

Stone AJ. (2019, December) *Grant Writing for Graduate Women in Science*. GWIS-Austin TX chapter, The University of Texas at Austin, Austin, TX.

Stone AJ. (2019, July) *Exercise pressor reflex function in diabetes*. International Society for Autonomic Neuroscience, Los Angeles, CA.

Ad hoc Reviewer, Journals

American Journal of Physiology- Regulatory, Integrative and Comparative Physiology
 Experimental Physiology
 American Journal of Physiology- Heart and Circulatory Physiology
 Biomedicine & Pharmacotherapy
 Journal of Applied Physiology
 Journal of Pain Research
 Sports Medicine and Rehabilitation Journal
 Jacobs Journal of Diabetes and Endocrinology
 PLOS One
 Frontiers in Physiology
 Journal of Physiology

Medicine & Science in Sports & Exercise
Hypertension

Reviewer Conference Abstracts/Poster Judge

2017 Texas ACSM- abstract reviewer
2022 Texas ACSM- poster judge

Reviewer Grants and Fellowships

2020, '21 GWIS National Fellowship Program

MEDIA ATTENTION

2017 Exercise Nerve Response in Type 1 Diabetes Worsens Over Time.
<https://medicalxpress.com/news/2017-10-nerve-response-diabetes-worsens.html>

2017 Exercise Nerve Response in Type 1 Diabetes Worsens Over Time.
<https://www.newswise.com/articles/exercise-nerve-response-in-type-1-diabetes-worsens-over-time>

HONORS and AWARDS

2022 Fellow, Joe R. & Teresa Lozano Long Endowed Faculty Fellows Fund

2022 Lecturer, Texas ACSM Spring Lecture Tour

2019 UT Austin Rising STARS award, University of Texas at Austin

2018- 2019 Dean's Fellow, College of Education, University of Texas at Austin

2018 Undergraduate Teaching Excellence Award, Department of Kinesiology and Health Education, University of Texas at Austin

2013 American Physiological Society Travel Award, XXXVII International Congress of Physiological Sciences

2013 The Physiological Society Travel award, XXXVII International Congress of Physiological Sciences

2013 Nike Loren G. Myhre Postdoctoral award, Environmental and Exercise Physiology (EEP) Section of the American Physiological Society, Experimental Biology

2010 Outstanding Exercise Science Doctoral Student, University of Arkansas, Department of Health, Human Performance, and Recreation

PROFESSIONAL AFFILIATIONS

Graduate Women in Science (member)
The Physiological Society (member)
The American Physiological Society (member)
American College of Sports Medicine (member)
National Athletic Training Association (member)
National Strength and Conditioning Association (member)