



CURRICULUM VITAE

Danielle E. Levitt

Current Title: Postdoctoral Fellow, Department of Physiology

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Education:

Undergraduate: The University of Texas at Dallas, Richardson, TX (2005 - 2009)
B.A. Psychology, 2009

Graduate: University of North Texas, Denton, TX (2013 - 2018)
M.S. Kinesiology, 2015
Ph.D. Biology/Exercise Physiology, 2018

Postdoctoral: Louisiana State University Health Sciences Center, New Orleans,
LA (2018 - Present)
Physiology

Certifications and Credentials:

2003 – 2011 Adult CPR, AED, and First Aid- American Heart Association

2010 – 2015 Certified Personal Trainer – National Academy of Sports Medicine

2010 – Present Texas Educator Certification (Composite science, grades 8-12)

2010 – Present Performance Exercise Specialist – National Academy of Sports Medicine

2011 – Present Adult CPR, AED, and First Aid – American Red Cross

2013 – Present Bloodborne Safety Training – University of North Texas

2013 – Present Human Participant Protections Education for Research Teams – National Institute of Health (NIH)

2016 – Present Certified Strength and Conditioning Specialist – National Strength and Conditioning Association (NSCA); recertified with distinction (2017)

2014 – Present Dual-energy X-ray Absorptiometry – University of North Texas

2014 – Present Bloodborne Safety Level 2 Certification – University of North Texas

2016 – Present Certified Strength and Conditioning Specialist – National Strength and Conditioning Association (NSCA); recertified with distinction (2017)

Academic, Professional, and Research Appointments:

2010-2013	Science Department Plano West Senior High School Plano, TX	Teacher (Courses taught: Physics 1, Pre-AP Physics 1, Anatomy & Physiology, Environmental Systems)
2013-2018	Applied Physiology Laboratory University of North Texas Denton, TX	Graduate Research Assistant
2013-2018	Department of Kinesiology, Health Promotion and Recreation University of North Texas, Denton, TX	Graduate Teaching Fellow
2018-Present	Department of Physiology Louisiana State University Health Sciences Center, New Orleans, LA	Postdoctoral Fellow

Membership in Professional Organizations (Leadership Positions):

2013 – present	American College of Sports Medicine
2014 – present	The American Physiological Society <ul style="list-style-type: none">• 2020: Endocrinology & Metabolism Trainee Advisory Committee Subcommittee member• 2021-2023: Physiology Educators Committee member
2014 – present	National Strength and Conditioning Association
2014 – present	American College of Sports Medicine, Texas Chapter
2018 – present	Postdoctoral Association, LSUHSC <ul style="list-style-type: none">• 2018-2019: Secretary• 2019-2020: Vice President
2018 – present	Association for Women in Science - Southern Louisiana Chapter <ul style="list-style-type: none">• 2020-2022: Postdoctoral Representative
2018 – present	American Association for the Advancement of Science
2019 – present	National Hispanic Science Network <ul style="list-style-type: none">• 2020-present: Early Career Leadership Committee member

Awards and Honors:

2005 – 2009	Academic Excellence Scholarship, University of Texas at Dallas
2010 – 2011	Beginning Teacher of the Year, Plano West Senior High School
2014	Jess E. Cearley Award in Kinesiology, Department of Kinesiology, Health Promotion and Recreation, University of North Texas
2014	Travel Award, College of Education, University of North Texas
2014 – 2015	Graduate Assistance Tuition Scholarship, Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2015	Membership Poster Award, Annual Meeting of the American College of Sports Medicine – Texas Chapter
2015	Teaching Fellow of the Year (departmental level), Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2015	Travel Award, Federation of American Societies for Experimental Biology (FASEB) Maximizing Access to Research Careers (MARC) program
2015	Travel Award, College of Education, University of North Texas
2015	Travel Award, College of Arts and Sciences, University of North Texas

2015 – 2016	NSCA Challenge Scholarship, National Strength and Conditioning Association
2015 – 2016	Ken Bahnsen Scholarship, Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2015 – 2016	Victor and Flo Rodriguez Scholarship, Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2016	College of Education 2015 Outstanding Thesis Award
2016	Manuscript Award (2 nd place), Annual Meeting of the American College of Sports Medicine – Texas Chapter
2016	Teaching Fellow of the Year (departmental level), Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2016	Teaching Fellow of the Year (university level), University of North Texas
2016	Travel Award, College of Education, University of North Texas
2016	Travel Award, College of Arts and Sciences, University of North Texas
2016 – 2017	NSCA Women's Scholarship, National Strength and Conditioning Association
2016 – 2017	Ken Bahnsen Scholarship, Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2016 – 2017	Victor and Flo Rodriguez Scholarship, Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2017	National Graduate Student Writing Award Honorable Mention, American Kinesiology Association
2017	Manuscript Award (3 rd place), Annual Meeting of the American College of Sports Medicine – Texas Chapter
2017	Travel Award, Toulouse Graduate School, University of North Texas
2017	Travel Award, College of Education, University of North Texas
2017	Travel Award, College of Arts and Sciences, University of North Texas
2017 – 2018	Ken Bahnsen Scholarship, Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2017 – 2018	Peggy Richardson Scholarship, Department of Kinesiology, Health Promotion, and Recreation, University of North Texas
2019	Martin Frank Diversity Travel Award, American Physiological Society
2019	Junior Investigator Award, Research Society on Alcoholism

TEACHING EXPERIENCE AND RESPONSIBILITIES

Formal Course Responsibilities:

Undergraduate Courses Taught

Semester	Course Title	Number of Students
LSUHSC		
Spring 2020	Nursing Pathophysiology (RN to BSN program, <i>team taught</i>)	11
UNT		
Fall 2017	Exercise Physiology (<i>team taught</i>)	70
Fall 2016	Biomechanics	77
5W2 2016	Principles of Health-Related Fitness	33
Spring 2016	Biomechanics	77
5W2 2015	Conditioning	15
5W1 2015	Walking/Jogging	20
Fall 2014	Jogging	24
Fall 2014	Weight Training	26

5W2 2014	Weight Training/Intermediate Weight Lifting	11
5W1 2014	Yoga	28
Spring 2014	Principles of Health-Related Fitness	27
Spring 2014	Walking for Health and Fitness	28
Spring 2014	Jogging	27
Spring 2014	Intermediate Weight Lifting	25
Fall 2013	Principles of Health-Related Fitness	28
Fall 2013	Principles of Health-Related Fitness	28
Fall 2013	Walking for Health and Fitness	25
Fall 2013	Weight Training	22

Teaching Assistantships

Semester	Course	Number of Students
UNT		
Spring 2017	Neuromuscular Physiology of Exercise	11
Fall 2016	Biomechanics	77
3W 2016	Biomechanics	47
Spring 2016	Biomechanics	79
Fall 2015	Biomechanics	165
Fall 2015	Quantitative Analysis in Kinesiology	153
5W2 2015	Quantitative Analysis in Kinesiology	60
3W 2015	Biomechanics of Human Movement	60
Spring 2015	Biomechanics of Human Movement	154
Fall 2014	Biomechanics of Human Movement	162
Fall 2014	Quantitative Analysis in Kinesiology	145
5W2 2014	Biomechanics of Human Movement	24
3W 2014	Biomechanics of Human Movement	36
3W 2014	Exercise Testing and Prescription	9
Spring 2014	Quantitative Analysis in Kinesiology	125
Fall 2013	Quantitative Analysis in Kinesiology	152

Guest Lectures

Semester	Course	Topic
LSUHSC		
Spring 2020	Pathophysiology/Nursing Pathophysiology	Disorders of the skeletal system
Spring 2020	Pathophysiology/Nursing Pathophysiology	Metabolic and rheumatic disorders
Spring 2020	Nursing Physiology	Lifestyle medicine: Exercise
Fall 2019	Nursing Pathophysiology	Disorders of the skeletal system
Fall 2019	Nursing Pathophysiology	Metabolic and rheumatic disorders
Fall 2019	Nursing Physiology	Lifestyle medicine: Exercise
Spring 2019	Pathophysiology/Nursing Pathophysiology	Disorders of the skeletal system
Spring 2019	Pathophysiology/Nursing Pathophysiology	Metabolic and rheumatic disorders
Spring 2019	Nursing Physiology	Clinical relevance: Exercise
Fall 2018	Nursing Pathophysiology	Disorders of the skeletal system
Fall 2018	Nursing Pathophysiology	Metabolic and rheumatic disorders
UNT/TWU		
Fall 2017	Exercise Testing and Prescription	Exercise endocrinology
Fall 2017	Nutrition and Exercise (Graduate, TWU)	Alcohol and exercise
Summer 2017	Biomechanics	Biomechanics of skeletal muscle

Spring 2017	Exercise Testing and Prescription	Exercise endocrinology
Spring 2017	Exercise Physiology	Sex differences in exercise physiology
Fall 2016	Exercise Physiology (Graduate)	Muscle damage, inflammation, and alcohol
Fall 2016	Exercise Testing and Prescription	Exercise endocrinology
Fall 2014	Exercise Physiology (Graduate)	Skeletal muscle damage and repair

Undergraduate, Graduate, and Medical Students Trained:

Graduate:

2019-present Matthew Prendergast, MS, Graduate Laboratory Volunteer

Medical Students:

2020 Jeanette Zavala, Summer Research Intern

Additional Mentoring:

High School Students:

2019 Jasmin Elnaggar, Summer Research Intern

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

ACTIVE:

F32 AA027982-01A1

12/01/2019–6/30/2021

NIH/NIAAA

\$122,836

Alcohol-induced skeletal muscle dysregulation in SIV/HIV: Mitochondrial-mediated mechanisms

The goal of this project is to test PGC-1beta as a mechanism for alcohol-induced mitochondrial dysfunction in SIV/HIV.

Role: Principal Investigator

COMPLETE:

T32 AA007577 (Molina)

09/01/2009–11/30/2019

NIH/NIAAA

\$402,449/year

Biomedical Alcohol Research Training Program

The goal is to educate and train pre and postdoctoral fellows for careers as independent scientists in the field of alcohol research.

Role: Postdoctoral Trainee, July 2018-November 2019

Graduate Research Grant (Doctoral)

09/01/2016-08/31/2018

National Strength and Conditioning Association Foundation

\$15,000

The effect of post-exercise alcohol consumption on resistance exercise-induced mTOR pathway signaling and protein synthesis

The goal was to investigate the alcohol-mediated changes in resistance exercise-induced increases in signaling downstream of mTORC1 and 24-hour muscle protein synthesis in men.

Role: Principal Investigator

Student Research Development Award (Doctoral)

09/01/2016-08/31/2017

American College of Sports Medicine, Texas Chapter

\$1,500

Effect of alcohol ingestion after heavy resistance exercise on upstream inhibitors of mTOR signaling in men

The goal was to investigate the alcohol-mediated changes in activation state of inhibitors upstream of mTORC1 after resistance exercise in men.

Role: Principal Investigator

Graduate Research Grant (Master's) 09/01/2014-08/31/2016

National Strength and Conditioning Association Foundation \$7,434

Post-exercise alcohol, muscular performance, and cytokine response in women

The goal was to investigate the effect of alcohol after muscle-damaging exercise on strength recovery and changes in inflammatory capacity in women.

Role: Principal Investigator

Student Research Development Award (Master's) 09/01/2014-08/31/2015

American College of Sports Medicine, Texas Chapter \$500

The effect of alcohol ingestion on the resistance exercise induced immune response in women

The goal was to investigate the effect of alcohol after heavy resistance exercise on changes in inflammatory capacity in women.

Role: Principal Investigator

Thesis Support Grant 09/01/2014-08/31/2015

College of Education, University of North Texas \$500

Post-exercise alcohol, muscular performance, and cytokine response in women

The goal was to investigate the effect of alcohol after muscle-damaging exercise on changes in inflammatory capacity in women.

Role: Principal Investigator

AWARDED BUT DECLINED:

APS Postdoctoral Fellowship Grant 11/01/2019-10/31/2020

The American Physiological Society \$50,000

Mechanisms of alcohol-induced skeletal muscle mitochondrial dysfunction.

The goal of this project was to identify the mechanisms by which alcohol dysregulates SKM mitochondrial function including mitochondrial machinery and dynamics.

This grant was declined because conditions of the award disallowed a concurrent a similar fellowship including stipend (e.g., NIH F32).

Role: Principal Investigator

NOT FUNDED:

F32 AA027982 (Levitt-Budnar) 09/01/2019–08/31/2021

NIH/NIAAA \$212,557

Alcohol-induced skeletal muscle dysregulation in SIV/HIV: Mitochondrial-mediated mechanisms

The goal of this project was to test PGC-1beta as a mechanism for alcohol-induced mitochondrial dysfunction in SIV/HIV.

Role: Principal Investigator

Publications:

Journal Articles (Refereed)

1. Vingren, JL, Budnar, Jr., RG, McKenzie, AL, Duplanty, AA, Luk, HY, **Levitt, DE**, and Armstrong, LE. (2016). The acute testosterone, growth hormone, cortisol, and interleukin-6 response to 164-km road cycling in a hot environment. *Journal of Sports Sciences*, 34(8): 694-699.

2. **Levitt, DE**, Jackson, AW, and Morrow, Jr., JR. (2016). An analysis of the medical costs of obesity for fifth graders in California and Texas. *International Journal of Exercise Science*, 9(1): 26-33.
3. Luk, HY, McKenzie, AL, Duplanty, AA, Budnar, RG, **Levitt, D**, Fernandez, A, Lee, EC, Armstrong, LE, and Vingren, JL. (2016). Leukocyte subset changes in response to a 164-km road cycle ride in a hot environment. *International Journal of Exercise Science*, 9(1): 34-46.
4. **Levitt, DE**, Duplanty, AA, Budnar, Jr., RG, Luk, HY, Fernandez, A, Layman, TJ, Fancher, DL, Hill, DW, McFarlin, BK, and Vingren, JL. (2016). The effect of post-resistance exercise alcohol ingestion on lipopolysaccharide-stimulated cytokines. *European Journal of Applied Physiology*, 116: 311-318.
5. Donahue, RB, Vingren, JL, Duplanty, AA, **Levitt, DE**, Luk, HY, and Kraemer, WJ. (2016). Acute effect of whole-body vibration warm-up on footspeed quickness. *Journal of Strength and Conditioning Research*, 30(8): 2286-2291.
6. Luk, HY, **Levitt, DE**, Lee, EC, Ganio, MS, McDermott, BP, Kupchak, BR, McFarlin, BK, Hill, DW, Armstrong, LE, and Vingren, JL. (2016). Pro- and anti-inflammatory cytokine responses to a 164-km road cycle ride in a hot environment. *European Journal of Applied Physiology*, 116(10): 2007-2015.
7. Duplanty, AA, Budnar, RG, Luk, HY, **Levitt, DE**, Hill, DW, McFarlin, BK, Huggett, DB, and Vingren, JL. (2017). Effect of acute alcohol ingestion on resistance exercise induced mTORC1 signaling in human muscle. *Journal of Strength and Conditioning Research*, 31(1): 54-61.
8. Henning, AL, **Levitt, DE**, Vingren, JL, and McFarlin, BK. (2017). Measurement of T-cell telomere length using amplified-signal FISH staining and flow cytometry. *Current Protocols in Cytometry*, 79(1):7.47.1-7.47.10. PMID: 28386694. DOI: 10.1002/cpcy.11.
9. **Levitt, DE**, Luk, HY, Duplanty, AA, Hill, DW, McFarlin, BK, and Vingren, JL. (2017). Effect of alcohol after muscle damaging resistance exercise on muscular performance recovery and inflammatory capacity in women. *European Journal of Applied Physiology*, 117(6): 1195-1206.
10. Kupchak, BR, Kazman, JB, Vingren, JL, **Levitt, DE**, Lee, EC, Oliver Chen, CY, Williamson, KH, Armstrong, LE, Deuster, PA. (2017). Blood hemostatic changes during an ultra-endurance road cycling event in a hot environment. *Wilderness & Environmental Medicine*, 28(3): 197-206.
11. Vingren, JL, Curtis, JH, **Levitt, DE**, Duplanty, AA, Lee, EC, McFarlin, BK, and Hill, DW. (2018). Adding resistance training to the standard of care for inpatient substance abuse treatment in men with human immunodeficiency virus improves skeletal muscle health without altering cytokine concentrations. *Journal of Strength and Conditioning Research*, 32(1): 76-82. doi: 10.1519/JSC.0000000000002289.
12. **Levitt, DE**, Idemudia, NO, Cregar, CM, Duplanty, AA, Hill, DW, and Vingren, JL. (2018). Alcohol after resistance exercise does not affect muscle power recovery. *Journal of Strength and Conditioning Research*. Ahead-of-print. PMID: 29385007. DOI: 10.1519/JSC.0000000000002455
13. Duplanty, AA, **Levitt, DE**, Hill, DW, McFarlin, BK, DiMarco, NM, and Vingren, JL. (2018). Resistance training is associated with higher bone mineral density among young adult male distance runners independent of physiological factors. *Journal of Strength and Conditioning Research*. 32(6): 1594-1600. DOI: 10.1519/JSC.0000000000002504.
14. Luk, H-Y, **Levitt, DE**, Boyett, JC, Rojas, S, Flader, S, McFarlin, BK, and Vingren, JL. (2019). Resistance exercise-induced hormonal response promotes satellite cell proliferation in

untrained men but not in women. *American Journal of Physiology- Endocrinology and Metabolism*. 317(2): E421-E432. PMID: 31237450. DOI: 10.1152/ajpendo.00473.2018.

15. Selmi, O, Goncalves, B, Ouergui, I, **Levitt, DE**, Sampaio, J, and Bouassida, A. (2019). Influence of well-being indices and recovery state on the technical and physiological aspects of play during small-sided games. *Journal of Strength and Conditioning Research*. Ahead-of-print. PMID: 31403575. DOI: 10.1519/JSC.0000000000003228.
16. **Levitt, DE**, Adler, KA, and Simon, L. (2019). HEMA 3 staining: A simple alternative for the assessment of myoblast differentiation. *Current Protocols in Stem Cell Biology*, 51: e101. PMID: 31756292. DOI: 10.1002/cpsc.101.
17. Selmi, O, Ouergui, I, **Levitt, DE**, and Bouassida, A. (2020). Small-sided games are more enjoyable than high-intensity interval training of similar exercise intensity in soccer. *Open Access Journal of Sports Medicine*. 11: 77-84. PMID: 32210645. DOI: 10.2147/OAJSM.S244512.
18. **Levitt, DE**, Yeh, AY, Prendergast, MJ, Budnar, Jr., RG, Adler, KA, Cook, G, Molina, PE, and Simon, L. (2020). Chronic alcohol dysregulates skeletal muscle myogenic gene expression after hind limb immobilization in female rats. *Biomolecules*. 10(3): E441. DOI: 10.3390/biom10030441. PMID: 32178412.
19. Selmi, O, Ouergui, I, Castellano, J, **Levitt, DE**, and Bouassida, A. (*in press*). Effect of an intensified training period on well-being indices, recovery and psychological aspects in professional soccer players. *European Review of Applied Psychology*.

Manuscripts in preparation:

1. Luk, H-Y, **Levitt, DE**, Appel, C, and Vingren, JL. (in revision). Sex dimorphism in muscle damage-induced inflammation. *Medicine & Science in Sports & Exercise*.
2. Vingren, JL, Boyett, JC, Lee, EC, **Levitt, DE**, Luk, HY, McDermott, BP, Munoz, CX, Ganio, MS, Armstrong, LE, and Hill, DW. (under review). Ibuprofen does not alter circulating cytokine or leukocyte population responses to a 164-km road cycling event in a hot environment. *European Journal of Applied Physiology*.
3. **Levitt, DE**, Chalapati, N, Prendergast, MJ, Molina, PE, and Simon, L. (under review). Ethanol-impaired myogenic differentiation is associated with decreased myoblast glycolytic function. *Alcoholism: Clinical and Experimental Research*.
4. Shaw, AG, Chae, S, Nicholson, JL, **Levitt, DE**, Vingren, JL, and Hill, DW. (under review). The effect of hangover on muscular strength, power, and endurance, and on performance of constant-power severe-intensity cycle ergometer exercise performed to exhaustion. *European Journal of Applied Physiology*.

Peer-Reviewed Abstracts (poster presentation unless noted; **mentee presenter):

1. **Levitt, DE**, Luk, HY, Duplanty, AA, Budnar, RG, Fernandez, A, Layman, TJ, McKenzie, AL, Lee, EC, Armstrong, LE, Hill, DW, McFarlin, BK, and Vingren, JL. (July 2014). The pro-inflammatory cytokine response to ultra-endurance cycling in an extreme environment. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
2. Budnar, RG, Vingren, JL, Duplanty, AA, Fernandez, A, McKenzie, AL, Luk, HY, **Levitt, DE**, Layman, TJ, Hill, DW, McFarlin, BK, Williamson, K, and Armstrong, LE. (July 2014). Acute hormonal response to 164 km road cycling in a hot environment. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.

3. Duplanty, AA, Budnar, RG, Luk, HY, Fernandez, A, **Levitt, DE**, Venable, AS, Hill, DW, DiMarco, NM, McFarlin, BK, and Vingren, JL. (July 2014). Effect of resistance training on bone mineral density in male runners. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
4. Fernandez, A, Duplanty, AA, Budnar, RG, Luk, HY, **Levitt, DE**, Layman, TJ, Hill, DW, and Vingren, JL. (July 2014). Exercise intervention on performance measures related to cardiovascular and neuromuscular health in HIV+ women recovering from substance abuse. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
5. Luk, HY, **Levitt, DE**, Duplanty, AA, Budnar, RG, Fernandez, A, Layman, TJ, McKenzie, AL, Lee, EC, Armstrong, LE, Hill, DW, McFarlin, BK, and Vingren, JL. (July 2014). The effect of ultra-endurance cycling in a hot environment on TH2 cytokines. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
6. Layman, TJ, Duplanty, AA, Budnar, RG, Luk, HY, Cregar, CM, Idemudia, NO, Fernandez, A, **Levitt, DE**, Hill, DW, and Vingren, JL. (July 2014). Binge drinking following heavy eccentric resistance exercise: Effect on muscle power recovery in women. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
7. **Levitt, DE**, Jackson, AW, and Morrow, Jr., JR. (February 2015). Elevated medical costs for obese fifth graders in California and Texas. Annual meeting of the American College of Sports Medicine – Texas Chapter, Austin, TX.
8. **Levitt, DE** and Vingren, JL. (March 2015). Effect of blood storage time on inflammatory biomarkers. Graduate Exhibition, University of North Texas, Denton, TX.
9. Luk, HY, Duplanty, AA, **Levitt, DE**, Budnar, RG, McFarlin, BK, Hill, DW, and Vingren, JL. (June 2015). Increased satellite cell proliferation when cultured with post-exercise serum: Role of testosterone? Annual Conference of the European College of Sport Science, Malmo, Sweden.
10. Cloutier, RM, Budnar, R, **Levitt, D**, Olivares, S, Wright, P, Takavoli, K, Dalai, M, Richardson, M, Gee, D, Trost, Z, Blumenthal, H, and Vingren, J. (May 2015). Exploring the relationship between alcohol craving, pain catastrophizing, and self-reported anxiety in the context of experimental back injury. The 27th annual meeting of the Association for Psychological Science, New York City, NY.
11. **Levitt, DE**, Jackson, AW, Morrow, Jr., JR. (May 2015). Elevated medical costs for obese fifth graders in California and Texas. Annual meeting of the American College of Sports Medicine, San Diego, CA.
12. Budnar, RG, **Levitt, DE**, Luk, H, Fernandez, A, Duplanty, AA, Layman, TJ, Blumenthal, H, Trost, Z, and Vingren, JL. (May 2015). Alcohol consumption 24h following eccentric low back muscle damage on muscular performance recovery in untrained individuals. Annual meeting of the American College of Sports Medicine, San Diego, CA.
13. Vingren, JL, Duplanty AA, Budnar RG, Luk H, **Levitt DE**, Fernandez A, Hill, DW, and DiMarco NM. (May 2015). Greater total and regional bone mineral density in adult male long-distance runners who resistance train. Annual meeting of the American College of Sports Medicine, San Diego, CA.
14. **Levitt, DE**, Duplanty, AA, Budnar, RG, Luk, HY, Fernandez, A, Layman, TJ, Fancher, DL, McFarlin, BK, Hill, DW, and Vingren, JL. (July 2015). The effect of alcohol consumption after heavy resistance exercise on lipopolysaccharide-stimulated IL-1 β , TNF- α , and IL-10. The National Strength and Conditioning Association's National Conference, Orlando, FL.

15. Vingren JL, Budnar RG, Duplanty AA, **Levitt DE**, Luk H, Fernandez A, and Hill, DW. (July 2015). Effect of ethanol ingestion on the acute hormonal response to heavy resistance exercise in women. The National Strength and Conditioning Association's National Conference, Orlando, FL.
16. Henning, AL, **Levitt, DE**, Vingren, JL, and McFarlin, BK. (June 2016). Using intracellular amplified nucleic acid detection technique to measure telomere length in individual T-cell subsets. CYTO, Seattle, WA.
17. **Levitt, DE**, Duplanty, AA, Luk, HY, Budnar, Jr., RG, Fernandez, A, Hill, DW, McFarlin, BK, and Vingren, JL. (July 2016). Effect of acute alcohol ingestion on resistance exercise induced mTOR signaling in men. The National Strength and Conditioning Association's National Conference, New Orleans, LA. *Oral presentation
18. Vingren, JL, Duplanty, AA, Budnar, Jr., RG, **Levitt, DE**, Luk, HY, Fernandez, A, McFarlin, BK, and Hill, DW. (July 2016). Effect of ethanol ingestion on the androgen receptor response to heavy resistance exercise. The National Strength and Conditioning Association's National Conference, New Orleans, LA.
19. Luk, HY, Duplanty, AA, Budnar, Jr., RG, **Levitt, DE**, Fernandez, A, McFarlin, BK, Hill, DW, and Vingren, JL. (July 2016). Glucocorticoid receptor content after heavy squat exercise is not affected by acute ethanol consumption. The National Strength and Conditioning Association's National Conference, New Orleans, LA.
20. Cartas, KP, **Levitt, DE**, Luk, HY, McFarlin, BK, Armstrong, LE, Hill, DW, Kupchak, BR, McKenzie, AL, Williamson, KH, Kunces, LJ, Munoz, CX, Lee, EC, and Vingren JL. (July 2016). Ibuprofen does not affect changes in leukocyte subsets in response to ultra-endurance cycling in the heat, The National Strength and Conditioning Association's National Conference, New Orleans, LA.
21. South, ME, **Levitt, DE**, Luk, HY, Kupchak, BR, Ganio, M, McDermott, B, Kunces, LJ, Munoz, CX, Lee, EC, Armstrong, LE, McFarlin, BK, Hill, DW, and Vingren JL. (July 2016). The effect of ibuprofen on pro-inflammatory cytokines in response to ultra-endurance cycling in the heat. The National Strength and Conditioning Association's National Conference, New Orleans, LA.
22. Rojas, S, **Levitt, DE**, Luk, HY, McKenzie, AL, Ganio, M, McDermott, B, Williamson, KH, Munoz, CX, Lee, EC, Armstrong, LE, McFarlin, BK, Hill, DW, and Vingren JL. (July 2016). Effect of ibuprofen on anti-inflammatory cytokine responses to ultra-endurance cycling in a high temperature environment. The National Strength and Conditioning Association's National Conference, New Orleans, LA.
23. **Levitt, DE**, Luk, HY, Duplanty, AA, Hill, DW, McFarlin, BK, and Vingren, JL. (March 2017). Post-eccentric exercise alcohol ingestion and LPS-stimulated cytokines in resistance-trained women. *Advances in Skeletal Muscle Biology in Health and Disease*, Gainesville, FL.
24. Luk, HY, **Levitt, DE**, Boyett, JC, Rojas S, Flader, SM, McFarlin BK, and Vingren JL. (March 2017). Effect of the transient resistance exercise-induced hormonal response on satellite cell activity: A pilot study. *Advances in Skeletal Muscle Biology in Health and Disease*, Gainesville, FL.
25. Hosokawa, Y, Zinn, JR, Wright, S, Leduc, M, Howard, E, Casa, DJ, Stearns, RL, Huggins, RA, Adams, WM, Jardine, J, Davis, RJ, Armstrong, LE, Vingren, J, **Levitt, D**, Ganio, MS, McDermott, BP, Williamson, K, McKenzie, AL, Munoz, CX, Kunces, LJ, and Lee, EC. (May 2017). LPS-induced TLR4 activation during prolonged running and cycling events in hot and humid environments. *Experimental Biology*, Chicago, IL.

26. **Levitt, DE**, Luk, HY, Rojas, S, Duplanty, AA, Hill, DW, McFarlin, BK, and Vingren, JL. (July 2017). Acute post-resistance exercise alcohol consumption does not alter muscular performance recovery in women. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
27. Vingren, JL, **Levitt, DE**, Luk, HY, Boyett, JC, Rojas, S, South, M, Budet, M, Comer, C, Hill, DW, McFarlin, BK. (July 2017). Effect of a resistance breathing mask on the acute growth hormone response to resistance exercise. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
28. Boyett, JC, **Levitt, DE**, Luk, HY, Rojas, S, Duplanty, AA, Hill, DW, McFarlin, BK, and Vingren, JL. (July 2017). Post-resistance exercise alcohol ingestion influence on circulating leukocytes in resistance trained females. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
29. Rojas, S, Luk HY, **Levitt, DE**, Boyett, JC, Flader, SM, Hill, DW, McFarlin, BK, and Vingren, JL. (July 2017). Effect of heavy upper body resistance exercise followed by a muscle damage protocol on circulating leukocytes. The National Strength and Conditioning Association's National Conference, Las Vegas, NV.
30. **Levitt, DE**, Vande Stouwe, C, Simon, L, and Molina, PE. Glucose-insulin dynamics in SIV-infected female rhesus macaques: Impact of alcohol and ovarian hormone loss. (March 2019). Alcohol-Induced End Organ Diseases, Gordon Research Seminar and Conference, Ventura, CA.
31. Primeaux, SD, Brashear MM, Ferguson, TF, Yeh, AY, **Levitt, DE**, Simon, L, and Molina, PE. Hazardous alcohol drinking in persons living with HIV is associated with a higher incidence of dysglycemia following glucose challenge. (March 2019). Alcohol-Induced End Organ Diseases, Gordon Research Conference, Ventura, CA.
32. **Levitt, DE**, Simon, L, and Molina, PE. (April 2019). Chronic binge alcohol and ovariectomy reduce markers of mitochondrial biogenesis and function in skeletal muscle of SIV-infected female macaques. Experimental Biology, Orlando, FL.
33. Luk, H-Y, **Levitt, DE**, Boyett, J, Rojas, S, McFarlin, BK, and Vingren, JL. (May 2019). Resistance exercise-induced hormonal response promotes satellite cell proliferation in untrained men. Annual meeting of the American College of Sports Medicine, Orlando, FL.
34. Vingren, JL, **Levitt, DE**, Boyett, J, Luk, H-Y, Moses, S, McFarlin, BK, and Hill, DW. (May 2019). Acute alcohol ingestion after resistance exercise does not alter phosphorylation of upstream proteins in the mTOR signaling pathway. Annual meeting of the American College of Sports Medicine, Orlando, FL.
35. **Levitt, DE**, Welsh, D, Ferguson, TF, Simon, L, and Molina, PE. (June 2019). Predictors of fat-free body mass in people living with HIV and hazardous alcohol use. 42nd Annual Research Society on Alcoholism Scientific Meeting, Minneapolis, MN.
36. ****Elnaggar, JE, Levitt, DE, Molina, PE, Simon, L.** (July 2019). Alcohol-mediated dysregulation of mitochondrial protein expression in skeletal muscle of SIV-infected female rhesus macaques. Summer Student Research Day, New Orleans, LA. *1st place high school student category department-wide, 2nd place high school category overall.
37. **Levitt, DE**, Simon, L, and Molina, PE. (September 2019). Chronic alcohol and ovariectomy reduce expression of mitochondrial-related genes in skeletal muscle of SIV-infected female rhesus macaques. National Heart, Lung, and Blood Institute 5th Annual Mitochondrial Biology Symposium on Mitochondrial Networks and Mitochondrial Energetics, Bethesda, MD.

38. **Levitt, DE**, Simon, L, and Molina, PE. (October 2019). Chronic alcohol and ovariectomy reduce expression of mitochondrial-related genes in skeletal muscle of SIV-infected female rhesus macaques. In: Young Investigators' Panel, National Hispanic Science Network 19th International Conference, New Orleans, LA. **Oral presentation.*
39. Prendergast, M, **Levitt, D**, Yeh, A, Souza-Smith, F, Molina, P, and Simon, L. (November 2019). Alcohol-mediated mechanism of impaired muscle recovery in a rodent model of hind limb immobilization. Graduate Research Day, Louisiana State University Health Sciences Center, New Orleans, LA.
40. Primeaux, SD, Brashear MM, Ferguson, TF, Yeh, AY, **Levitt, DE**, Simon, L, and Molina, PE. (April 2020). Unhealthy alcohol use is associated with a higher prevalence of dysglycemia in persons living with HIV. Experimental Biology, San Diego, CA. *Meeting canceled due to COVID-19, abstract was published online.
41. **Levitt, DE**, Simon, L, and Molina, PE. (April 2020). Myoblast mitochondrial adaptation to chronic alcohol administration. Experimental Biology, San Diego, CA. *Meeting canceled due to COVID-19, abstract was published online.
42. Molina, PE, Simon, L, **Levitt, DE**, Catinis, A, Amedee, A, and Siggins, R. (June 2020). Alcohol-associated metabolic dyshomeostasis; role in enhanced viral pathogenesis. Research Society on Alcoholism, New Orleans, LA. *Meeting canceled due to COVID-19, abstract was published online.
43. Simon, L, Molina, PE, Welsh, DA, Ferguson, T, Ford, S, Primeaux, S, Brashear, M, Vande Stouwe, C, Adler, K, **Levitt, D**, and Yeh, A. (June 2020). Alcohol-mediated metabolic consequences in HIV/SIV: Muscle-pancreas axis. Research Society on Alcoholism, New Orleans, LA. *Meeting canceled due to COVID-19, abstract was published online.
44. **Levitt, DE**, Adler, KA, Simon, L, and Molina, PE. (June 2020). Ethanol-induced mitochondrial signaling perturbations. Research Society on Alcoholism, New Orleans, LA. *Meeting canceled due to COVID-19, abstract was published online.
45. Yeh, A, Bourgeois, B, **Levitt, DE**, Primeaux, SD, Brashear, M, Ferguson, TF, Simon, L, and Molina, PE. (June 2020). Circulating muscle-enriched microRNAs in persons living with HIV: Associations with alcohol use. Research Society on Alcoholism, New Orleans, LA. *Meeting canceled due to COVID-19, abstract was published online.
46. Primeaux, S, **Levitt, D**, Yeh, A, Brashear, M, Ahmed, J, Johannsen, N, Ferguson, T, Simon, L, and Molina, P. (June 2020). A pilot study investigating the effects of aerobic exercise on dysglycemia in persons with unhealthy alcohol use and HIV. Research Society on Alcoholism, New Orleans, LA. *Meeting canceled due to COVID-19, abstract was published online.

Conference Participation:

1. Oral presenter. *The effect of alcohol ingestion on the resistance exercise induced immune response in women*. Student Research Development Awardee Presentation (Master's). Annual meeting of the American College of Sports Medicine – Texas Chapter, Fort Worth, TX.
2. Oral presenter. *Effect of alcohol ingestion after heavy resistance exercise on upstream inhibitors of mTOR signaling in men*. Student Research Development Awardee Presentation (Doctoral). Annual meeting of the American College of Sports Medicine – Texas Chapter, College Station, TX.
3. Discussion leader, Session: Translational/Therapeutic Developments in Alcohol-Induced Tissue Injury, Gordon Research Seminar (Topic: Alcohol-Induced Tissue Injury: Exploring Pathophysiology, Translational Developments and Experimental Models Used in Alcohol Research), Ventura, CA, March 24, 2019.

4. Judge. American Physiological Society Barbara A. Horwitz and John M. Horowitz Undergraduate Research Awards, Experimental Biology, Orlando, FL, April 7, 2019.
5. Symposium co-chair. Symposium: Alcohol-mediated skeletal muscle metabolic dysfunction. Research Society on Alcoholism, Minneapolis, MN, June 26, 2019.
6. Poster Judge. National Hispanic Science Network 19th International Conference, New Orleans, LA, October 10, 2019.
7. Oral presenter. *Chronic alcohol and ovariectomy reduce expression of mitochondrial-related genes in skeletal muscle of SIV-infected female rhesus macaques*. Session: Young Investigator's Panel. National Hispanic Science Network 19th International Conference, New Orleans, LA, October 11, 2019.
8. Co-organizer/co-chair. Symposium: Epigenomics in metabolic health and disease. Experimental Biology, San Diego, CA, April, 2020. *Accepted but cancelled due to COVID-19.
9. Co-chair. Young Investigators' Panel. National Hispanic Science Network 20th International Conference, [virtual], October, 2020.
10. Co-chair. Alcohol as a challenge to ending the HIV epidemic. National Hispanic Science Network 20th International Conference, [virtual], October, 2020.

Invited Seminars and Talks:

1. "Alcohol and resistance exercise" Kinesiology Seminar, Texas Woman's University, Denton, TX, September 2017.
2. "Alcohol and exercise: Do they mix?" Department of Physiology Seminar Series, Louisiana State University Health Sciences Center-New Orleans, October 2017.
3. "Alcohol-mediated skeletal muscle mitochondrial dysfunction: Insights from non-human primates" Alcohol and Drug Abuse Center of Excellence Semiannual Scientific Retreat, New Orleans, LA, December 18, 2019.

Continuing professional education, refresher courses, and workshops at professional meetings/symposia:

1. Perspectives in Alcohol Research, Louisiana State University Health Sciences Center, Fall 2018-present.

For one hour each week during long semesters, trainees and faculty members in the alcohol research field discuss relevant topics including recently published alcohol-related literature, model systems and techniques, and research ethics. This elective is discussion-based and trainees lead the majority of sessions. 15 hours per semester, Instructors: Robert Siggins, PhD, Elizabeth Avegno, PhD, and Flavia Souza-Smith, PhD.

2. Grant Writing Seminar Series, Louisiana State University Health Sciences Center, Fall 2018.

This 5-part seminar series focused on writing a successful F-series training grant. 5 hours total, Instructor: Andrew Hollenbach, PhD.

3. Biostatistics, Louisiana State University Health Sciences Center, Summer 2019.

This graduate course was a refresher for Biostatistics. Topics included experimental design, rigor & reproducibility, specific statistical tests, big data & deep learning, sex as a biological variable, reporting standards, and data ethics. 15 hours total, Instructors: Nick Gilpin, PhD and Jason Middleton, PhD.

4. Grantsmanship workshop hosted by the Education Committee at the Research Society on Alcoholism Annual Meeting, June 23, 2019.

At this workshop, NIH/NIAAA program officers provided an overview of the grantsmanship process. During breakout sessions, specific details relevant to those intending to pursue K-series applications were discussed with experienced grant reviewers and program officers. 2 hours total.

5. Leadership Workshop Series, Louisiana State University Health Sciences Center, 2020.

This workshop series covers the topics of trust, communication, and purpose. Pre-workshop activities were completed in preparation for actively engaging in each 90-110-minute workshop hosted by Samantha Puszczewicz, Senior HR Consultant for Talent Development.

6. Epigenetics, Louisiana State University Health Sciences Center, Spring 2020.

This graduate course taught fundamentals of epigenetics including types of epigenetic modifications, research techniques in epigenetics, clinical outcomes of epigenetic disturbances, and targeting epigenetics as a treatment option. Course discussions, a paper, a presentation, and a final exam were required. 15 hours total, Instructor: Fern Tsien, PhD.

Journal Activity:

2015-present	Reviewer, <i>Journal of Strength and Conditioning Research</i>
2015-present	Reviewer, <i>International Journal of Exercise Science</i>
2018-present	Reviewer, <i>Sports Medicine</i>
2018-present	Reviewer, <i>Biomedicine and Pharmacotherapy</i>
2019-present	Reviewer, <i>Contemporary Clinical Trials Communications</i>

SERVICE ACTIVITIES

University/Institutional Service:

2015-2016	<u>Graduate student member</u> , Kinesiology, Health Promotion, and Recreation (KHPR) Department Chair Search Committee, University of North Texas (UNT)
2016-2018	<u>Graduate Student Representative</u> , Department of KHPR, UNT
Nov. 2, 2018	<u>Poster Judge</u> , Graduate Research Day, LSUHSC, New Orleans, LA
Dec. 18, 2018	<u>Moderator</u> for Panel Discussion: Research Funding & Initiatives Related to Veteran Health, Alcohol and Drug Abuse Center of Excellence (ADACE) Retreat, LSUHSC, New Orleans, LA
Spring 2019	<u>Organizing Committee member</u> , Alcohol and Drug Abuse Center of Excellence (ADACE) Spring Retreat, LSUHSC, New Orleans, LA
Nov. 8, 2019	<u>Poster Judge</u> , Graduate Research Day, LSUHSC, New Orleans, LA
2019-2020	<u>Co-Chair and Organizer</u> , ADACE Postdoctoral Fellow Seminar Series, LSUHSC, New Orleans, LA
2019-Present	<u>Wellbeing Committee member</u> , Department of Physiology, Louisiana State University Health Sciences Center, New Orleans, LA.

National Service:

February 2015	<u>Volunteer</u> , assisted with logistics for Annual Meeting of the American College of Sports Medicine, Texas Chapter, Austin, TX
March 2016	<u>Volunteer</u> , assisted with logistics for Annual Meeting of the American College of Sports Medicine, Texas Chapter, College Station, TX

Spring 2017 Grant reviewer, National Strength and Conditioning Association Foundation
Summer 2017 Field tester for Professional Skills Training Course: Professional Integrity and Publishing Ethics, American Physiological Society
Spring 2019 Grant reviewer, National Strength and Conditioning Association Foundation
Spring 2020 Grant reviewer, National Strength and Conditioning Association Foundation

Community Service and Outreach Activities:

Dec. 2015 Invited speaker for Young Women in Science Education, Topic: Experiences and advice as a woman in a STEM field, Berkner High School, Richardson, TX
Oct. 2016 Invited speaker for Young Women in Science Education, Topic: Experiences and advice as a woman in a STEM field, Berkner High School, Richardson, TX.
Feb. 19, 2019 Judge, Greater New Orleans Science and Engineering Fair, Biochemistry and Cellular & Molecular Biology, Junior Division, Tulane University, New Orleans, LA.
Dec. 14, 2019 Coordinator and Volunteer, Habitat for Humanity build, New Orleans, LA.
Feb. 11, 2020 Judge, Greater New Orleans Science and Engineering Fair, Biochemistry and Cellular & Molecular Biology, Junior Division, Tulane University, New Orleans, LA.
Jun. 17, 2020 Invited speaker for career seminar series, Richardson ISD Gifted & Talented Middle School Summer Program. Topic: Pursuing a scientific research career. Richardson, TX (delivered online).

Television interviews:

January 12, 2015. NBC5DFW, UNT Researchers Study Effects of Alcohol and Your Workout, https://www.nbcdfw.com/news/local/UNT-Researchers-Study-Effects-of-Alcohol-and-Your-Workout-288341091.html?fbclid=IwAR3tCUCUutltda247HiWhqxVW3rDrdKQgcBdiGebFA9OJLt_Wg_9bhkw2_k