
Eric C. Leszczynski, PhD
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University of South Carolina
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Education

Institution	Concentration, Degree	Year of Degree
Michigan State University East Lansing, Michigan	Kinesiology, PhD Emphasis: Exercise Physiology	2023 (GPA: 4.0)
Michigan State University East Lansing, Michigan	Kinesiology, MS Emphasis: Exercise Physiology	2019 (GPA: 4.0)
Michigan State University East Lansing, Michigan	Kinesiology BS, Psychology BA Minor: Health Promotion	2017 (GPA: 3.71)

Professional Experience

Years	Position
2023-Present	Postdoctoral Fellow Department of Exercise Science, University of South Carolina (Advisor: Mark Sarzynski)
2017- 2023	Graduate Assistant Department of Kinesiology, Michigan State University (Advisor: David Ferguson)
2015 - 2017	Undergraduate Research Assistant Department of Kinesiology, Michigan State University (Advisor: David Ferguson)

Honors and Awards

2022	Michigan State University Kinesiology Outstanding PhD Student Award.
2022	Michigan State University Excellence in Teaching Citation.
2021	Michigan State University Undergraduate Research and Arts Forum First Place Award-Kinesiology.
2019	Michigan State University Outstanding Master's Student Award.
2019	Michigan State University Kinesiology Research Fellowship.
2019	American Kinesiology Association Master's Scholar Award.
2016	Midwest Chapter American College of Sports Medicine Undergraduate Research Award.
2016	Midwest Chapter American College of Sports Medicine Annual Quiz Bowl Winner.

Teaching Experience

MICHIGAN STATE UNIVERSITY – Summer 2018 – Summer 2023

Fall 2020 to Summer 2023	Physiological Bases of Physical Activity, Lead Instructor – KIN 310
Fall 2019 to Spring 2020	Laboratory Experiences in Exercise Physiology, Lab instructor – KIN 411
Spring 2019 to Fall 2021	Applied Human Anatomy Laboratory, Lab Instructor – KIN 217
Summer 2020, 2022	Senior Internship Course in Kinesiology, Virtual Co-Instructor – KIN 492/493
Fall 2018 to Summer 2019	Applied Human Anatomy, Graduate Assistant and Lead Instructor – KIN 216
Spring 2019	Foundations of Kinesiology, Recitation Instructor – KIN 173
Fall 2018	Bowling II, Basic Instruction Program Instructor – KIN 116A
Fall 2018	Golf II, Basic Instruction Program Instructor – KIN 116B
Fall 2018	Volleyball I, Basic Instruction Program Instructor – KIN 108K

Summer 2018

Golf I, Basic Instruction Program Instructor – KIN 106E

Summer 2018

Bowling I, Basic Instruction Program Instructor – KIN 106C

Professional Service

- 2022-2023 Member- Michigan State University Department of Kinesiology Exercise Physiology Faculty Search Committee
- 2022-2023 Student Affairs Committee, Student Representative – American College of Sports Medicine – National Chapter
- 2021-2022 Student Representative – American College of Sports Medicine - Midwest Chapter
- 2021-2022 Quiz Bowl Committee Member- American College of Sports Medicine – Midwest Chapter
- 2021-2022 Membership Committee Member- American College of Sports Medicine – Midwest Chapter
- 2020 Chair - Michigan State University Kinesiology Graduate Student Organization Professional Development
- Member- Michigan State University College of Education Hearing Board

Articles in Review

2. McPeek AC., Pritchard AE., Visker JR., Wellette-Hunsucker AG., **Leszczynski EC.**, Quinn MA., Lindsey M., and Ferguson DP. The Effect of Exercise Training on Cardiac Outcomes in Postnatally Growth Restricted Female Mice.
1. Visker JR., **Leszczynski EC.**, Wellette-Hunsucker AG., Mcpeek AC., Quinn MA., Bazil JN., and Ferguson DP. Postnatal growth restriction alters myocardial mitochondrial energetics in mice.

Peer-Reviewed Publications

2023

10. Wellette-Hunsucker AG., **Leszczynski EC.**, Visker JR., Pritchard AE., Mcpeek AC., Quinn MA., Wen Y., Albathi F., Slade JM., and Ferguson DP. The Effect of Downhill Running on Skeletal Muscle Mass in Growth-Restricted Mice. *Medicine and Science in Sports and Exercise. (Pre-Print)*.
9. **Leszczynski EC.**, Schwartz NE., Mcpeek AC., Currie KD., Ferguson DP., and Garland Jr T. (2023). Selectively breeding for high voluntary physical activity in female mice does not bestow inherent characteristics that resemble eccentric remodeling of the heart, but the mini-muscle phenotype does. *Sports Medicine and Health Science. (Pre-Print)*.

2022

8. Ferguson DP., **Leszczynski EC.**, Horton TH., Pfeiffer KA., Gardiner J., and Pearson AL. (2022). C-reactive protein and telomerase reverse transcriptase (TERT) associate with chronic disease markers in a sample from low-income neighborhoods in Detroit, Michigan. *Sports Medicine and Health Science, 4(4), 275-279.*
7. Quinn MA., Pritchard AE., Visker JR., McPeek AC., Raghuvanshi R., Wellette-Hunsucker AG., **Leszczynski EC.**, McCabe L., Pfeiffer KA., Quinn RA., and Ferguson DP. (2022). Longitudinal Effects of Growth Restriction on the Murine Gut Microbiome and Metabolome. *American Journal of Physiology-Endocrinology and Metabolism, 323(2), E159-E170.*

2021

6. Ferguson DP., **Leszczynski EC.**, McPeek AC., Pendergrast, LA., Visker, JR., and Triplet, AN. (2021). In Growth Restricted Mice Physical Activity Engagement Worsens Health Outcomes and Limits Exercise Capacity. *Medicine and Science in Sports and Exercise, 53 (8), 1561-1571.*

2020

5. Visker JR., Dangott LJ., **Leszczynski EC.**, and Ferguson DP. (2020) Postnatal Growth Restriction in Mice Alters Cardiac Protein Abundance Leading to Impairment in Adulthood. *International Journal of Molecular Sciences*, 21 (24), 9459.
4. Pendergrast LA., **Leszczynski EC.**, Visker JR., Triplett AN., and Ferguson DP. (2020). Effects of early life undernutrition on maximum treadmill running capacity in mice. *Applied Physiology Nutrition and Metabolism*, 45 (3), 240-250.
3. Quinn RA., Melnik AV.,... **Leszczynski EC.**,... and Dorrestein PC. (2020). Global Chemical Impacts of the Microbiome Include Unique Bile Acid Conjugates that Stimulate FXR. *Nature*, 579(7797): 123–129.

2019

2. **Leszczynski EC.**, Visker JR., and Ferguson DP. (2019) The effect of growth restriction on voluntary physical activity engagement in mice. *Medicine and Science in Sport and Exercise*, 51 (11):2201-2209.
1. **Leszczynski EC.**, Kuenze C., Brazier B., Visker JR., and Ferguson DP. (2019). The effect of ACL reconstruction on involved and contralateral limb vastus lateralis morphology and histology: a pilot study. *The journal of knee surgery*, 34 (05), 533-537.

Published Abstracts

5. McPeck AC., Wellette-Hunsucker A., Quinn MA., **Leszczynski EC.**, and Ferguson DP. (2022). Aerobic Exercise Reduces Cardiac Ca²⁺ Handling Proteins in Postnatally Growth Restricted Mice. *Medicine & Science in Sports & Exercise*, 54(9S), 102.
4. Visker JR., **Leszczynski EC.**, Wellette-Hunsucker A., Bazil J.N., and Ferguson DP. (2020). Postnatal Growth Restriction in Mice Alters Cardiac Mitochondrial Energetics: 2139 Board# 58. *Medicine & Science in Sports & Exercise*, 52(7S), 567-568. +Note abstract was accepted but the conference was canceled due to COVID-19.
3. Quinn MA, **Leszczynski EC**, Visker JR. Wellette-Hunsucker AG, Quinn RA, and Ferguson DP. (2020) The Effect of Growth Restriction on the Gut Microbiome in Mice. *The FASEB Journal*, 34 (S1) 1-1.
2. **Leszczynski EC.**, Pendergrast L., and Ferguson DP. (2019). The Effects of Wheel Running on Health-Related Outcomes in Growth-Restricted Mice. *Medicine & Science in Sports & Exercise* 51 (6), 330
1. **Leszczynski EC.**, Triplett AN., and Ferguson DP. (2018). The Effect of Early Life Undernutrition on Voluntary Physical Activity in Mice. *Medicine & Science in Sports & Exercise*, 50(5S), 50.

Additional Presentations

^ - Denotes student mentored project. Students were instructed on data acquisition techniques and laboratory analysis, data analysis and statistics, and preparation/dissemination of results for professional conferences.

15. **Leszczynski EC.** (June 2023). *Physical Activity Engagement and Growth-Restriction: Interventions and Implications*. Virtual oral presentation during monthly GenBioPac meeting.

14. ^Ananyev J., Bobzin K., **Leszczynski EC.**, and Ferguson, DP. (April 2023). *The Effect of an Early Life Intervention on Skeletal Muscle Calcium Regulation*. Poster presentation at the annual meeting of Michigan State University Undergraduate Research and Arts Forum, East Lansing, MI.
13. ^Thorn, M., Etelamaki, A., **Leszczynski, EC.**, and Ferguson, DP. (April 2022). *The Effect of Early Life Growth-Restriction on Motor Milestone Development*. Lead mentor for poster presentation at the annual meeting of Michigan State University Undergraduate Research and Arts Forum, East Lansing, MI.
12. ^Morley Z., Drake-Flam L., **Leszczynski EC.**, Mcpeek A., and Ferguson DP. (April 2021). *Gestational and Post-Gestational Diets in Mice with Controlled Exercise*. Lead mentor for poster presentation at the annual meeting of Michigan State University Undergraduate Research and Arts Forum, East Lansing, MI.
11. ^Thorn M., Stefani A., **Leszczynski EC.**, Mcpeek A., and Ferguson DP. (April 2021). *The Effects of Maternal Exercise on Physical Activity Engagement in Growth Restricted Mice*. Lead mentor for poster presentation at the annual meeting of Michigan State University Undergraduate Research and Arts Forum, East Lansing, MI.
10. Visker JR., **Leszczynski EC.**, Wellette-Hunsucker AC., Bazil JN., and Ferguson DP. (November 2019). *Postnatal Growth Restriction Alters Cardiac Mitochondrial Energetics in Mice*. Midwest American College of Sports Medicine, Oral Presentation, Oak Brook, IL
9. ^Orlikowski CS., Stefanko SB., Cosio MA., Wellette-Hunsucker AG., **Leszczynski EC.**, Visker JR., and Ferguson DP. (April 2019). *Mitochondrial Content in Skeletal Muscle Following Postnatal Undernutrition in Mice*. MSU Undergraduate Research Symposium, Free Communication Poster, East Lansing, MI.
8. ^Dodd M., **Leszczynski, EC.**, and Ferguson, DP. (July 2018). *Physical Activity and Calsequestrin (Casq1) Expression in Mice Undernourished in The Neonatal Period*. Lead mentor for poster presentation at Mid-Michigan Symposium for Undergraduate Research Experiences, Free Communication Poster, East Lansing, MI.
7. ^Hawkins J., **Leszczynski EC.**, and Ferguson DP. (July 2018). *Annexin A6 and its Role in Physical Activity*. Lead mentor for poster presentation at Mid-Michigan Symposium for Undergraduate Research Experiences, Free Communication Poster, East Lansing, MI. July 2018
6. Pendergrast LA., **Leszczynski EC.**, and Ferguson DP. (May 2018). *Effects of Early Life Undernutrition on Maximum Treadmill Running Capacity in Mice*. National American College of Sports Medicine, Free Communication Poster, Minneapolis, MN.
5. ^Hunter J, Triplett AN, **Leszczynski EC.**, and Ferguson DP. (July 2017). *Early life undernutrition influences voluntary physical activity engagement*. Poster Presentation; Mid-Michigan Symposium for Undergraduate Research Experiences (Mid-SURE).
4. **Leszczynski EC.**, Zakovich M., Triplett AN., Kuenze CM., Ferguson DP. (April 2017). *Skeletal muscle fiber type shift following ACL injury and reconstruction*. Oral Slide Presentation; Michigan State University Undergraduate Research and Arts Forum (UURAF).
3. **Leszczynski EC.**, Dahnke M., Triplett AN., Ferguson DP. (April 2017). *Effect of nutrition on exercise initiation and adherence*. Poster Presentation; Michigan State University Undergraduate Research and Arts Forum (UURAF).

2. **Leszczynski EC.**, Triplett AN., Kuenze CM., Ferguson DP. (April 2017). *Skeletal Muscle Fiber Type Shift Following ACL Injury and Reconstruction*. Oral presentation at the annual meeting of Michigan American College of Sports Medicine, Gaylord, MI..
1. **Leszczynski, EC.** Gammon, C. (February 2016). *Activity, Screen Time, and Sleep: Associations with Inhibitory Control in Preschool-Aged Children*. Oral presentation at the annual meeting of Michigan American College of Sports Medicine, Gaylord, MI.

Funding and Research Support

External Grants

2020

1. Foundation – ACSM Doctoral Student Research Grant (\$4,956). “Early Life Growth-Restriction Delays Motor Skill Development Which Reduces Physical Activity Across the Lifespan” Awarded.

Internal Grants (All awarded by Michigan State University – College of Education)

2022

Summer Research Fellowship (\$6,000).

2021

Summer Research Fellowship (\$6,000).

2020

Dissertation and Research Practicum Fellowship (\$2,880).

Summer Research Fellowship (\$6,000).

2019

Doctoral Recruitment Funding (\$3,000).

2016

Undergraduate Research Fellowship (\$1,500).

Professional Organization Membership

Midwest Chapter of the American College of Sports Medicine (2017-Present)

American College of Sports Medicine (2017 – Present)

Clinical Exercise Physiology Association (2021- Present)