

CURRICULUM VITAE

NAME: Paul Timothy Reidy

PRESENT POSITION AND ADDRESS:

Assistant Professor, Miami University (9/19 – Current)
21 Applewood Cir Oxford, OH 45056

BIOGRAPHICAL: 12/12/1985. Milwaukee, WI. USA. Cell: 414-758-9408

EDUCATION:

- 4/15 Doctor of Philosophy: *Biomedical Science-Rehabilitation Science*
Muscle Biology Laboratory, Dept. of Nutrition and Metabolism
University of Texas Medical Branch, Galveston, TX
- 5/10 Masters of Science: *Exercise Physiology*
Human Performance Laboratory, Ball State University, Muncie, IN
- 5/08 Bachelors of Arts: *Exercise Science*
Anderson University, Anderson, IN

PROFESSIONAL WORK HISTORY AND TEACHING EXPERIENCE:

- 9/19 Assistant Professor (Tenure-Track)
Department of Kinesiology and Health
Miami University, Oxford, OH
- 9/15 – 9/19 Post-Doctoral Fellow
Drummond Laboratory, Dept. Physical Therapy and Athletic Training
University of Utah, Salt Lake City, Utah
- 4/15 – 9/15 Post-Doctoral Fellow
Muscle Biology Laboratory, Dept. Nutrition and Metabolism
University of Texas Medical Branch, Galveston, TX
- 9/10 – 9/15 Graduate Research Assistant
Muscle Biology Laboratory, Dept. Nutrition and Metabolism
University of Texas Medical Branch, Galveston, TX
- 9/11 – 9/13 Bench-top Tutorials Mentor/Tutor
University of Texas Medical Branch, Galveston, TX
- 9/08 – 7/10 Graduate Research Assistant
Human Performance Laboratory, Ball State University, Muncie, IN
- 8/07 – 6/08 Teaching Assistant, Exercise Testing & Prescription
Kinesiology Department, Human Performance Center
Anderson University, Anderson, IN
- 1/06 – 6/08 Undergraduate Research Assistant
Human Performance Center, Anderson University, Anderson, IN
- 8/05 – 6/08 Resident Assistant
Department of Student Life, Anderson University, Anderson, IN
- 6/07 – 8/07 NIH Summer Intern
Clinical Research Branch, ASTRAUnit, Intramural Research Program
National Institute on Aging, National Institute of Health, Baltimore, MD

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8/05 – 2/06 Student Athletic Trainer
Athletic Training Dept. Anderson University, Anderson, IN

HONORS and AWARDS:

Ruth L. Kirschstein Institutional National Research Service Award
The National Institute of Arthritis and Musculoskeletal and Skin Diseases
Awarded 08/11/17 for 2 years following activation.

Jeane B. Kempner Postdoctoral Scholar Award 09/15-09/16 and Renewed 09/16-09/17-
Salary and Benefits

2016 APS Intersociety Meeting: The Integrative Biology of Exercise VII Abstract Travel
Award - \$750

National Institutes of Health Loan Repayment Program (LRP) Clinical Research Service
Obligation for 07/16 - 06/18 - \$12,500

American Society of Nutrition Energy and Macronutrient Metabolism Research Interest
Section Student Travel Award for Experimental Biology 2015, Boston, MA., 04/15

Emily E. Dupree Endowed Award for Excellence in Rehabilitation Science. (Graduate School
of Biomedical Sciences) - \$1000

University of Texas Graduate School of Biomedical Sciences at Galveston, 11/14

The Arthur V. Simmang Scholarship (Graduate School of Biomedical Sciences) - \$1000
University of Texas Graduate School of Biomedical Sciences at Galveston, 11/14

Betty Williams Scholarship (Graduate School of Biomedical Sciences) - \$1300
University of Texas Graduate School of Biomedical Sciences at Galveston, 11/13

Don W. Micks Scholarship in Preventive Medicine and Community Health - \$2000
University of Texas Graduate School of Biomedical Sciences at Galveston, 11/13

Peyton and Lydia Schapper Endowed Scholarship (School of Health Professions) - \$1000
University of Texas Graduate School of Biomedical Sciences at Galveston, 11/13

Excellent Student Poster Award. 17th Annual Forum on Aging Poster Session, - \$150
University of Texas Medical Branch, 11/13

Peyton and Lydia Schapper Endowed Scholarship (School of Health Professions) - \$1000
University of Texas Graduate School of Biomedical Sciences at Galveston, 11/12

Excellent Student Poster Award. 16th Annual Forum on Aging Poster Session, - \$150
University of Texas Medical Branch, 11/12

Sigma-ISOTEC Student Sponsorship Award for Stable Isotope Research - \$500
Experimental Biology 4/12

Sealy Center on Aging Graduate Student Award - \$500
University of Texas Graduate School of Biomedical Sciences at Galveston, 11/11

Laboratory Assistant Award*
Human Performance Laboratory, Ball State University, 05/10 -07/10

Graduate Assistantship Award* Ball State University, 08/08-05/10

NIH Biomedical Research Internship Award*
NIH Intramural Research Program, *Summer 2007*

Distinguished Student Scholarship, Anderson University, 08/04-05/08

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Phi Epsilon Kappa National Physical Education Honor Society
 Anderson University, 10/04-01/06

TEACHING RESPONSIBILITIES

A. TEACHING RESPONSIBILITIES AT UTMB AND THE UNIVERSITY OF UTAH:

a. Students/Mentees/Advisees/Trainees:

- Guest lecturer – Nutrition and Integrative Physiology - Metabolism Class
- Graduate students in the Drummond lab – Alec McKenzie, Jonathan Petrocelli and Naomi de Hart
- Molecular Medicine rotation PhD students – Dilru Silva and Cindy Barba - 2018
- Summer undergraduate research student – Aspen Johnson – Summer of 2017
- Summer undergraduate research student – Vincent Marrow – Summer of 2017
- Physical Therapy work study student – Elizabeth – January 2017 to current
- Undergraduate research student – Nikol – Fall 2016 to Spring 2018
- Medical student summer Research – Catherine - Summer 2016
- Medical student summer research – James - Summer 2016
- Student physical therapy students trained for assistance in dissertation – Sammy, Ben Camille, Jennifer and Matt - 2013-2015
- Undergraduate summer student at UTMB – Paige - Summer 2014
- Basic biomedical science student rotation – Jason – Spring 2014
- Bench-Top tutorials – Kayla (2011-2012) and Maritza (2012-2013)

B. TEACHING RESPONSIBILITIES AT OTHER UNIVERSITIES

Guest lecturer – Nutrition and Integrative Physiology - Metabolism Class (UofU)
 Nutrition and Metabolism - Dietetics Courses (UTMB)
 (Ball State University (BSU) and Anderson University (AU)):

a. Teaching: Laboratory Classes at AU and BSU

MEMBERSHIP IN SCIENTIFIC SOCIETIES/PROFESSIONAL ORGANIZATIONS:

American Physiological Society, 2007-Current, American Society of Nutrition, 2011-2015, American College of Sports Medicine 2010-2015 & 2017-Current, PMCH Graduate Student Organization Officer 2013-2014, Muscle Biology of Exercise & Nutrition Organization at UTMB President 2012-2014, American Council on Exercise, 2006-2008

Reviewer (journals)

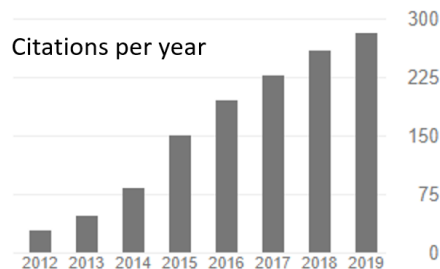
Applied Physiology, Nutrition, and Metabolism, American Journal of Physiology-Endocrinology and Metabolism, Clinical Nutrition, Experimental Gerontology, Medicine & Science in Sports & Exercise, Nutrients, Journal of American Aging Association, Journal of Nutrition, Journal of Applied Physiology, Sports Medicine, International Journal of Sport Nutrition & Exercise Metabolism, Frontiers in Exercise Physiology, Amino Acids, Scandinavian Journal of Medicine & Science in Sports

RESEARCH ACTIVITIES:

[NIH Bibliography](#) (37 total)
Google Scholar: 1395 citations, h-index: 18

Areas of Research

Research Experience at University of Utah



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- 1) The effect of disuse and muscle with emphasis is on innate immunity pathways, immune cells (monocytes and macrophages) and skeletal muscle inflammation and their relationship to muscle mass regulation and insulin sensitivity.
- 2) The effect of disuse and muscle with emphasis is on skeletal muscle ceramide accumulation and their relationship to muscle mass regulation and insulin sensitivity.

Research Experience at University of Texas Medical Branch

- 3) Post-exercise protein nutrition to enhance muscle growth and adaptation. I examined protein supplement type (blended vs dairy protein) to maximize muscle growth and adaptation following resistance exercise training (Dissertation). Contrary to dogma, we found that the literature supported out findings from my dissertation – that protein supplementation following resistance exercise produces a positive, albeit minor, effect on the promotion of muscle size and strength.
- 4) The effect of exercise and protein/amino acid nutrition on muscle satellite cell function.
- 5) Mechanisms of muscle loss with aging.
- 6) Skeletal muscle and fat mitochondrial function in comparative study, following burn injury, age and exercise.

Research Experience at Ball State University

- 1) Influence of aerobic training on skeletal muscle protein composition (Master's Thesis)
- 2) Influence of nutrition on post aerobic exercise intracellular signaling, gene expression and protein synthesis

Grant support

Internal

1. PI: *Implications of Early Life Inactivity on Health in Adulthood: Expounding on Physical Function.* (Feb, Spring 2020). College of Education, Health, & Society Research Interdisciplinary Seed Grant. \$9,896 (**Funded**).
2. Co-Investigator: *Monitoring and Diagnosing Metabolic Health with Continuous Glucose Monitoring* (2019). Miami University Student Technology Fee Proposal. \$13,654 (**Funded**).
3. Co-Investigator: *Monitoring and Diagnosing Physical Activity and Energy Expenditure with Accelerometers to Determine Risk of Poor Health* (2019). Miami University Student Technology Fee Proposal. \$14,807 (**Unfunded**).
4. PI: *Early life inactivity causes permanent strength loss in adulthood: a search for mechanisms.* (Fall 2019). College of Education, Health, & Society Research Seed Grant. \$4,952 (**Funded**).
5. PI: *Implications of Early Life Inactivity on Health in Adulthood: A Search for Mechanisms.* (Fall 2019) Miami University Research and Innovation Committee on Faculty Research: Summer Research Appointment (\$6,200), Research Graduate Assistantship and Grant to Promote Research - \$3,000 (**Funded**)
6. College of Education, Health, & Society Summer Research Award. \$5,000 (**Funded-declined**). *Implications of Early Life Inactivity on Health in Adulthood: A Search for Mechanisms.* (Fall 2019).

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External

1. Co-Investigator: *Enhancing skeletal muscle immune and satellite cell responses to a single bout of high intensity cycle exercise in young adults with potatoes*, Alliance for Potato Research and Education. \$179,324 (4/2020; **not invited to submit full proposal**).
2. Co-Investigator: *Using potatoes to enhance skeletal muscle glycogen, immune and satellite cell responses to a single bout of high intensity cycle exercise in young adult men and women*. Alliance for Potato Research and Education. \$199,454 (full proposal submitted 4/2019; **Unfunded**).
3. Co-PI: *Influence of Low-fat and High-fat Dairy Consumption on Circulating Ceramides, Vascular Function, and Insulin Resistance in Obese, Pre-Diabetic Adults*. National Dairy Council. \$192,919 (letter of intent submitted 5/2019; **not invited to submit full proposal**).
4. Co-Investigator: *Enhancing post-exercise adaptations to aerobic/interval cycle exercise training in young adult women with potatoes*. Alliance for Potato Research and Education. \$169,485 (letter of intent submitted 2/2019; **not invited to submit full proposal**).
5. Co-Investigator: *Whole potatoes as a post-exercise supplement to enhance adaptations to resistance exercise training in collegiate-aged young women*. Alliance for Potato Research and Education. \$198,898 (letter of intent submitted 2/2019; **not invited to submit full proposal**).
6. Co-Investigator: *Eggs to enhance skeletal muscle regenerative responses to a single bout of high intensity cycle exercise*. Egg Nutrition Center. \$198,898 (letter of intent submitted 4/2019; **not invited to submit full proposal**).
7. Co-Investigator: *Eggs and egg protein as post-exercise supplements to enhance adaptations to resistance exercise training in college age men and women*. Egg Nutrition Center. \$198,120 (letter of intent submitted 4/2019; **not invited to submit full proposal**).
8. Co-Investigator: *Accumulation of skeletal muscle phospholipids with chronic whole egg consumption in adult humans*. Egg Nutrition Center. \$169,485 (letter of intent submitted 4/2019; **not invited to submit full proposal**).
9. PI: Ruth L. Kirschstein National Research Service Award (NRSA) Individual Postdoctoral Fellowship 1 F32 AR072481-01 NIH/National Institute of Arthritis and Musculoskeletal and Skin Diseases 08/2017 to 09/2019.
10. PI: Jeane B. Kempner Post-Doctoral Award, 09/2015-09/2016 and renewed from 09/2016-09/2017
11. PI: National Institutes of Health Loan Repayment Program (LRP) Clinical Research Service Obligation for 07/16 - 06/18 - \$12,500
12. Role: Post-doctoral fellow 1R01AG050781, 2015-2020, NIH/NIA, Novel molecular mechanisms of skeletal muscle insulin resistance in physically inactive older adults. Principal Investigator: Micah J. Drummond, PhD.
13. Role: Post-doctoral fellow 1R56AG050781-01, 2015 – 2016, NIH/NIA, Novel molecular mechanisms of skeletal muscle insulin resistance in physically inactive older adults., Principal Investigator: Micah J. Drummond, PhD.
14. Role: Research Assistant. Dupont Nutrition and Health Grant, 2012-2015, The Role of Protein Blend Supplementation on Protein Synthesis, Muscle Growth and Strength, Principal Investigator: Blake B. Rasmussen, PhD,
15. Role: PhD Student – Trainee. T32-HD07539, 2010-2012, Interdisciplinary Predoctoral Rehabilitation Research Training. Principal Investigator: Kenneth Ottenbacher, PhD,

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PUBLISHED:

A. ARTICLES IN PEER-REVIEWED JOURNALS:

- Influence of exercise training on skeletal muscle insulin resistance in aging: spotlight on muscle ceramides. **Reidy PT**, Mahmassani ZS, McKenzie AI, Petrocelli JJ, Summer SA, Drummond MJ. *Int J Mol Sci*. 2020 Feb 22;21(4). pii: E1514. doi: 10.3390/ijms21041514. Review.PMID: 32098447
- Bed rest in healthy older adults increases circulating ceramide biomarkers predictive of poor cardiovascular outcomes. Petrocelli JJ, McKenzie AI, Mahmassani ZS, **Reidy PT**, Stoddard GJ, Poss AM, Holland WL, Summers SA, Drummond MJ. *J Gerontol A Biol Sci Med Sci*. 2020 Mar 26. pii: glaa072. doi: 10.1093/gerona/glaa072. PMID: 32215553
- Pharmacological inhibition of TLR4 ameliorates muscle and liver ceramide content after disuse in physically active mice. McKenzie AI, **Reidy PT**, Nelson DS, Mulvey J, Yonemura N, Petrocelli JJ, Mahmassani ZS, Tippett T, Summers SA, Funai K, and Drummond MJ. *Am J Physiol Regul Integr Comp Physiol*. 2020 Mar 1;318(3):R503-R511. doi: 10.1152/ajpregu.00330.2019. Epub 2020 Jan 29.PMID: 31994900
- Absence of MyD88 from skeletal muscle protects female mice from inactivity-induced adiposity and insulin resistance. Mahmassani ZM, **Reidy PT**, McKenzie AI, Petrocelli JJ, Matthews O, de Hart NM, Ferrara PJ, O'Connell R, Funai K, Drummond MJ. *Obesity (Silver Spring)*. 2020 Apr;28(4):772-782. doi: 10.1002/oby.22759. Epub 2020 Feb 28. PMID: 32108446
- Muscle or Nothing! Where Is the Excess Protein Going in Men with High Protein Intakes Engaged in Strength Training? **Reidy PT**. *Journal of Nutrition*. 2020 Mar 1;150(3):421-422. doi: 10.1093/jn/nxz322.
- Macrophage Regulation of Muscle Regrowth From Disuse in Aging. **Reidy PT**, Dupont-Versteegden EE, Drummond MJ. *Exerc Sport Sci Rev*. 2019 Oct;47(4):246-250. doi: 10.1249. PMID: 31525165
- Mitochondrial PE potentiates respiratory enzymes to amplify skeletal muscle aerobic capacity. Heden TD, Johnson JM, Ferrara PJ, Eshima H, Verkerke ARP, Wentzler EJ, Siripoksup P, Narowski TM, Coleman CB, Lin CT, Ryan TE, **Reidy PT**, de Castro Brás LE, Karner CM, Burant CF, Mashek JA, Cox JE, Mashek DG, Kardon G, Boudina S, Zeczycki TN, Rutter J, Shaikh SR, Vance JE, Drummond MJ, Neuffer PD, Funai K. *Sci Adv*. 2019 Sep 11;5(9):eaax8352. doi: 10.1126/sciadv.aax8352. eCollection 2019 Sep. PMID: 31535029
- Aging impairs mouse skeletal muscle macrophage polarization and muscle-specific abundance during recovery from disuse. **Reidy PT**, McKenzie AI, Mahmassani ZS, Petrocelli JJ, Nelson DB, Lindsay CC, Gardner JE, Morrow VR, Keefe AC, Huffaker TB, Stoddard GJ, Kardon G, O'Connell RM, Drummond MJ. *Am J Physiol Endocrinol Metab*. 2019 Apr 9. doi: 10.1152/ajpendo.00422.2018. PMID: 30964703
- An accumulation of muscle macrophages is accompanied by altered insulin sensitivity after reduced-activity and recovery in older adults. **Reidy PT**, Yonemura NM, Madsen JH, McKenzie AI, Mahmassani ZS, Rondina MT, Lin UK, Kaput K, Drummond MJ. *Acta Physiol (Oxf)*. 2019 Jan 10:e13251. doi: 10.1111/apha.13251. PMID: 30632274
- Disuse-induced insulin resistance susceptibility coincides with a dysregulated skeletal muscle metabolic transcriptome. Mahmassani ZS, **Reidy PT**, McKenzie AI, Stubben C, Howard MT, Drummond MJ. *J Appl Physiol (1985)*. 2019 Feb 14. doi: 10.1152/jappphysiol.01093.2018. PMID: 30763167
- Age-dependent skeletal muscle transcriptome response to bed rest-induced atrophy. Mahmassani ZS, **Reidy PT**, McKenzie AI, Stubben C, Howard MT, Drummond MJ. *J Appl Physiol (1985)*. 2019 Apr 1;126(4):894-902. doi: 10.1152/jappphysiol.00811.2018. PMID: 30605403
- Skeletal muscle ceramides and relationship to insulin sensitivity after two weeks of simulated sedentary behavior and recovery in healthy older adults. **Reidy PT**, McKenzie AI, Mahmassani ZS, Morrow VR, Yonemura N, Hopkins PN, Marcus RL, Rondina MT, Lin UK, and Drummond MJ. *J Physiol*. 2018 Nov;596(21):5217-5236. doi: 10.1113/JP276798. PMID: 30194727

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- Effect of Aerobic Exercise Training and Essential Amino Acid Supplementation for 24 Weeks on Physical Function, Body Composition and Muscle Metabolism in Healthy, Independent Older Adults: A Randomized Clinical Trial. Markofski MM, Jennings K, Timmerman KL, Dickinson JM, Fry CS, Borack MS, **Reidy PT**, Deer RR, Randolph A, Rasmussen BB, Volpi E. *J Gerontol A Biol Sci Med Sci*. 2018. Epub 2018/05/12. doi: 10.1093/gerona/gly109. PubMed PMID: 29750251.
- Aging-related effects of bed rest followed by eccentric exercise rehabilitation on skeletal muscle macrophages and insulin sensitivity. **Reidy PT**, Lindsay CC, McKenzie AI, Fry CS, Supiano MA, Marcus RL, LaStayo PC, Drummond MJ. *Exp Gerontol*. 2017 Jul 10. pii: S0531-5565(17)30263-2. doi: 10.1016/j.exger.2017.07.001. PMID: 28705613
- Leucine Differentially Regulates Gene-Specific Translation in Mouse Skeletal Muscle. Drummond MJ, **Reidy PT**, Baird LM, Dalley BK, Howard MT. *J Nutr*. 2017 Jun 14. pii: jn251181. doi: 10.3945/jn.117.251181. PMID: 28615380
- Neuromuscular Electrical Stimulation Combined with Protein Ingestion Preserves Thigh Muscle Mass But Not Muscle Function in Healthy Older Adults During 5 Days of Bed Rest. **Reidy PT**, **McKenzie AI**, Bruncker P, Nelson DS, Barrows KM, Supiano M, LaStayo PC, Drummond MJ. *Rejuvenation Res*. 2017 Jun 19. doi: 10.1089/rej.2017.1942. PMID: 28482746
- Protein Supplementation Does Not Affect Myogenic Adaptations to Resistance Training. **Reidy PT**, Fry CS, Igbini S, Deer RR, Jennings K, Cope MB, Mukherjea R, Volpi E, Rasmussen BB. *Med Sci Sports Exerc*. 2017 Jun;49(6):1197-1208. doi: 10.1249/MSS.0000000000001224. PMID: 28346813
- Postexercise essential amino acid supplementation amplifies skeletal muscle satellite cell proliferation in older men 24 hours postexercise. **Reidy PT**, Fry CS, Dickinson JM, Drummond MJ, Rasmussen BB. *Physiol Rep*. 2017 Jun;5(11). pii: e13269. doi: 10.14814/phy2.13269. PMID: 28596299
- Essential amino acid ingestion alters expression of genes associated with amino acid sensing, transport, and mTORC1 regulation in human skeletal muscle. Graber TG, Borack MS, **Reidy PT**, Volpi E, Rasmussen BB. *Nutr Metab (Lond)*. 2017 May 11;14:35. doi: 10.1186/s12986-017-0187-1. eCollection 2017. Erratum in: *Nutr Metab (Lond)*. 2017 Jun 14;14 :39. PMID: 28503190
- Post-absorptive muscle protein turnover affects resistance training hypertrophy. **Reidy PT**, Borack MS, Markofski MM, Dickinson JM, Fry CS, Deer RR, Volpi E, Rasmussen BB. *Eur J Appl Physiol*. 2017 May;117(5):853-866. doi: 10.1007/s00421-017-3566-4. PMID: 28280974
- The impact of postexercise essential amino acid ingestion on the ubiquitin proteasome and autophagosomal-lysosomal systems in skeletal muscle of older men. Dickinson JM, **Reidy PT**, Gundermann DM, Borack MS, Walker DK, D'Lugos AC, Volpi E, Rasmussen BB. *J Appl Physiol* (1985). 2017 Mar 1;122(3):620-630. doi: 10.1152/jappphysiol.00632.2016. Epub 2016 Sep 1. PMID: 27586837
- Soy-Dairy Protein Blend or Whey Protein Isolate Ingestion Induces Similar Postexercise Muscle Mechanistic Target of Rapamycin Complex 1 Signaling and Protein Synthesis Responses in Older Men. Borack MS, **Reidy PT**, Husaini SH, Markofski MM, Deer RR, Richison AB, Lambert BS, Cope MB, Mukherjea R, Jennings K, Volpi E, Rasmussen BB. *J Nutr*. 2016 Dec;146(12):2468-2475. PMID: 27798330
- Satellite cell activation and apoptosis in skeletal muscle from severely burned children. Fry CS, Porter C, Sidossis LS, Nieten C, **Reidy PT**, Hundeshagen G, Mlcak R, Rasmussen BB, Lee JO, Suman OE, Herndon DN, Finnerty CC. *J Physiol*. 2016 Sep 15;594(18):5223-36. doi: 10.1111/JP272520. PMID: 27350317
- Hypermetabolism and hypercatabolism of skeletal muscle accompany mitochondrial stress following severe burn trauma. Ogunbileje JO, Porter C, Herndon DN, Chao T, Abdelrahman DR, Papadimitriou A, Chondronikola M, Zimmers TA, **Reidy PT**, Rasmussen BB, and Sidossis LS. *American Journal of Physiology Endocrinology and Metabolism* 311: E436-448, 2016

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- Mitochondrial respiratory capacity and coupling control decline with age in human skeletal muscle. Porter C, Hurren NM, Cotter MV, Bhattarai N, **Reidy PT**, Dillon EL, Durham WJ, Tuvdendorj D, Sheffield-Moore M, et al. *Am J Physiol Endocrinol Metab.* 2015 Aug 1;309:E224-32.
- Human and Mouse Brown Adipose Tissue Mitochondria Have Comparable UCP1 Function. Porter C, Herndon DN, Chondronikola M, Chao T, Annamalai P, Bhattarai N, Saraf MK, Capek KD, **Reidy PT**, Daquinag AC, Kolonin MG, Rasmussen BB, Borsheim E, Toliver-Kinsky T, Sidossis LS. *Cell Metab.* 2016 Aug 9;24(2):246-55.
- Effect of age on basal muscle protein synthesis and mTORC1 signaling in a large cohort of young and older men and women. Markofski MM, Dickinson JM, Drummond MJ, Fry CS, Fujita S, Gundermann DM, Glynn EL, Jennings K, Paddon-Jones D, **Reidy PT**, Sheffield-Moore M, Timmerman KL, Rasmussen BB, and Volpi E. *Experimental gerontology* 2015.Feb 28
- Resistance Exercise Training Alters Mitochondrial Function in Human Skeletal Muscle. Porter C, **Reidy PT**, Bhattarai N, Sidossis LS, Rasmussen BB. *Med Sci Sports Exerc.* 2014 Dec 23. [Epub ahead of print]
- Uncoupled skeletal muscle mitochondria contribute to hypermetabolism in severely burned adults. Porter C, Herndon D, Børsheim E, Chao T, **Reidy P**, Borack M, Rasmussen B, Chondronikola M, Saraf M, Sidossis L. *Am J Physiol Endocrinol Metab.* 2014 2014 Sep 1;307(5):E462-7.
- Leucine-enriched amino acid ingestion after resistance exercise prolongs myofibrillar protein synthesis and amino acid transporter expression in older men. Dickinson JM, Gundermann DM, Walker DK, **Reidy PT**, Borack MS, Drummond MJ, Arora M, Volpi E, Rasmussen BB. *J Nutr.* 2014 Nov;144(11):1694-702.
- Activation of mTORC1 signaling and protein synthesis in human muscle following blood flow restriction exercise is inhibited by rapamycin. Gundermann DM, Walker DK, **Reidy PT**, Borack MS, Dickinson JM, Volpi E, Rasmussen BB. *Am J Physiol Endocrinol Metab.* 2014 May 15;306(10):E1198-204.
- Soy-dairy protein blend and whey protein ingestion after resistance exercise increases amino acid transport and transporter expression in human skeletal muscle. **Reidy PT**, Walker DK, Dickinson JM, Gundermann DM, Drummond MJ, Timmerman KL, Cope MB, Mukherjea R, Jennings K, Volpi E, Rasmussen BB. *J Appl Physiol* (1985). 2014 Jun 1;116(11):1353-64.
- The Effect of Feeding During Recovery From Aerobic Exercise on Skeletal Muscle Intracellular Signaling. **Reidy PT**, Konopka AR, Hinkley JM, Undem MK, and Harber MP. *Int J Sport Nutr Exerc Metab.* 2014 Feb;24(1):70-8. doi: 10.1123/i
- Protein Composition of Aerobically Trained Human Skeletal Muscle. **Reidy PT**, Hinkley J, Trappe T, Trappe S, Harber, MP. *Int J Sport Med.* 2014 Jun;35(6):476-81.
- Protein Blend Ingestion Following Resistance Exercise Promotes Human Muscle Protein Synthesis. **Reidy PT**, Walker DK, Dickinson JM, Timmerman KL, Drummond MJ, Fry CS, Gundermann DM, Rasmussen BB. *J Nutr.* 2013 Apr;143(4):410-6.
- Bed rest impairs skeletal muscle mTORC1 signaling, amino acid transporter expression and protein synthesis in response to essential amino acid ingestion in older adults. Drummond MJ, Dickinson JM, Fry SC, Walker DK, Gundermann DM, **Reidy PT**, Timmerman KL, Markofski MM, Paddon-Jones D, Rasmussen BB, Volpi E *Am J Physiol Endocrinol Metab.* 2012 May;302(9):E1113-22.
- Exercise, Amino Acids and Aging in the Control of Human Muscle Protein Synthesis. Walker DK, Dickinson JM, Timmerman KL, Drummond MJ, **Reidy PT**, Fry CS, Gundermann DM, Rasmussen BB. *Med Sci Sports Exerc.* 2011 Dec;43(12):2249-58.
- Effect of maximal and slow versus recreational muscle contractions on energy expenditure in trained and untrained men. Mazzetti S, Wolff C, Yocum A, **Reidy P**, Douglass M, Cochran M, Douglass M. *J Sports Med Phys Fitness.* 2011 Sep;51(3):381-92.

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Muscle Protein Synthesis and Gene Expression During Recovery From Aerobic Exercise in the Fasted and Fed States. Harber MP, Konopka AR, Jemiolo B, Trappe SW, Trappe TA, and **Reidy PT**. *Am J Physiol Regul Integr Comp Physiol*. 2010 Nov;299(5):R1254-62.

B. OTHER:

BOOK CHAPTERS

MARCUS R, REIDY P, LASTAYO P. IMPAIRED MUSCLE PERFORMANCE IN OLDER ADULTS. P. 365-78. IN: GUCCIONE'S GERIATRIC PHYSICAL THERAPY 4TH EDITION, 4TH EDITION. 2020. AVERS, D. & WONG, R.A. (EDS.). ELSEVIER, AMSTERDAM, THE NETHERLANDS. [CONTRIBUTION: 33%].

THE EFFECT OF PROTEIN BLEND SUPPLEMENTATION AND RESISTANCE EXERCISE ON SKELETAL MUSCLE GROWTH AND ADAPTATION
A DISSERTATION FOR THE DEGREE DOCTOR OF PHILOSOPHY
ADVISOR: BLAKE B RASMUSSEN, PHD
THE UNIVERSITY OF TEXAS MEDICAL BRANCH. GALVESTON, TX. MAY 2015

INFLUENCE OF AEROBIC TRAINING ON SKELETAL MUSCLE PROTEIN COMPOSITION.
A THESIS FOR THE DEGREE MASTERS OF SCIENCE
ADVISOR: MATTHEW P. HARBER, PHD
BALL STATE UNIVERSITY. MUNCIE, IN. MAY 2010

C. ABSTRACTS:*Scientific Presentations*

- Understanding the effect of protein on muscle metabolism in the young and old. **Reidy PT** Global Cheese Technology Forum. November 7th 2019 Reno, NV. Invited Oral Presentation
- Plasticity of insulin sensitivity and muscle mass in healthy older adults following inactivity and re-ambulation. : **Reidy PT**, McKenzie AI, Mahmassani Z, Morrow V, Yonemura N, Hopkins P, Lin YK, Drummond MJ. American College of Sports Medicine Annual Meeting 2018, Minneapolis, MN. June 2018
- Age-related responses to hindlimb unloading and re-ambulation result in divergent skeletal muscle macrophage polarization patterns as determined by flow cytometry Integrative Biology on Exercise. **Reidy PT**, Nelson D, McKenzie AI, Lindsay CC, Gardner JE, Keefe, AC, Huffaker T, Kardon G, O'Connell, RM, Drummond, MJ.; 2016; Phoenix, AZ. – Conference abstract
- Exercise training following bed rest in older adults modulates skeletal muscle anti-inflammatory (M2) macrophage polarization. **Reidy PT**, McKenzie AI, Fry CS, LaStayo PC, Drummond MJ. *Advances in Skeletal Muscle Biology in Health and Disease*; 2016; Gainesville, FL. – Conference abstract
- The Effect of Soy-Dairy Protein Blend Supplementation during Resistance Exercise Training. **Reidy PT**, Borack MB, Markofski MM, Deer RR, Dickinson JM, Husaini, SH, Walker DK, Cope MB, Mukherkea R, Jennings K, Volpi E, Rasmussen BB. *Experimental Biology 2015, Boston, MA. April 2015. Oral Presentation (March 28 @ 5pm, ASN's Emerging Leaders in Nutrition Science Poster Competition & March 29 @ 4pm Energy and Macronutrient Metabolism: Protein and Amino Acid Metabolism)*
- Soy Science: Sense, Nonsense and Research Updates: Blending it Together. The Muscle Protein Anabolic Potential of Protein Types and Resistance Exercise. **Reidy PT**. *30th Annual Sport, Cardiovascular and Wellness Nutrition 2014 Symposium, Huron, OH. June 2014.*
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