Latha Ramalingam

CURRENT POSITION (Dec 2014-present)
Research Assistant professor
Nutritional Sciences
Room 404,
1301 Akron venue,
Lubbock, TX 79409.
Phone: (317) 319 3549

EDUCATION

B.Pharm	Sri Ramachandra Medical College, Chennai, India School of Pharmacy GPA: 7.4/10	2005
M.Tech	Vellore Institute of Technology, Vellore, India School of Biotechnology GPA: 9.3/10	2007
PhD	Indiana University, School of Medicine, Indianapolis IN Department of Biochemistry and Molecular Biology GPA: 3.8/4	2013

PROFESSIONAL EXPERIENCE:

08/2008- 01/2014	Research Assistant, Indiana University School of Medicine, IN.
02/2014- 08/2014	Postdoctoral fellow, Indiana University School of Medicine, IN.
09/2014- 11/2014	Postdoctoral fellow, Texas Tech University, Lubbock, TX.
12/2014- Present	Research Assistant professor, Texas Tech University, Lubbock, TX.

HONORS AND AWARDS:

2006	University Fellowship, Vellore Institute of Technology.
2008	University Fellowship, Indiana University School of Medicine.
2008	Graduate Student Travel Fellowship, Indiana University School of Medicine.
2012	Peggy Gibson Award for research award competition, Indiana University School of medicine.
2012	Fellowship, American Heart Association.
2014	Peggy Gibson Award, Indiana University School of Medicine.
2014	Best Research paper, Indiana University School of medicine.
2015	Pilot & Feasibility Award, Obesity Research Cluster, Texas Tech University.
2015	Early Career Grant challenge winner, Obesity Society, USA.
2016	IJO Young Investigator award, 13th International Congress of Obesity, Vancouver, Canada.
2017	Travel Award for International Congress of Nutrition, Argentina 2017.

GRADUATE STUDENTS TRAINING:

Current Trainees

08/14-present *Ph.D. Co-Mentor and Thesis Committee Co-Chair*, Kembra-Albracht, Department of Nutritional Sciences, Texas Tech University

08/16-present *Ph.D. Co-Mentor*, Kalhara Menikdewella Department of Nutritional Sciences, Texas Tech University

01/17-present *M.S Co-Mentor,* London Allen Department of Nutritional Sciences, Texas Tech University

08/15-08-2017 *M.S. Co-Mentor and Thesis Committee Co-Chair*, Erin Yen Department of Nutritional Sciences, Texas Tech University

Other Graduate Mentoring

01/13-03/13 Jaimie Gendron, IBMG program, Indiana University

07/13-08/13 Arianne Aslamy, MSTP (MD/PhD) program, Indiana University

01/14-03/14 Kimberly Fong, IBMG program, Indiana University

06/15-08/15 Yao Liu, MD, Texas Tech University Health Sciences Center,

Other Student Thesis Committees

08/15-Present Amal Bouyanfif, Plant and Soil Sciences, Texas Tech University (Ph.D.)

08/16-Present Prakash Parajuli, Plant and Soil Sciences, Texas Tech University (M.S.)

08/16-Present Al Rashid, Mechanical Engineering, Texas Tech University (M.S.)

08/16-Present Kalhara Menikdewella, Nutritional Sciences, Texas Tech University (Ph.D.)

08/16-Present Fahmida Rasha, Nutritional Sciences, Texas Tech University (Ph.D.)

08/15-08/17 Arwa Aljawadi, Nutritional Sciences, Texas Tech University (Ph.D.)

08/15-08/17 Nadeeja Wijayatunga, Nutritional Sciences, Texas Tech University (Ph.D.)

08/15-08/17 Rick Garrison, Nutritional Sciences, Texas Tech University (Ph.D.)

05/15-07/15 Short Matt, Department of Kinesiology and Sports Management, Texas Tech University (M.S.)

UNDERGRADUATE STUDENTS TRAINING:

01/13-01/14 Josephine Kim, IBMG program, Indiana University

01/14-03/14 Katie Beverly, IBMG program, Indiana University

06/14-08/14 Kenneth Pham, Clark Scholar, Texas Tech University

08/15-12/16 London Allen, Nutritional Sciences, Texas Tech University

08/15-03/16 Tram Dinh, Nutritional Sciences, Texas Tech University

08/15-present Boontharick Soponthamarick, Nutritional Sciences, Texas Tech University

01/17-present Eboh Tochi, Nutritional Sciences, Texas Tech University

01/17-present Stephani Clevenger, Nutritional Sciences, Texas Tech University

PUBLICATIONS:

1. Jewell JL, Oh E, **Ramalingam L**, Kalwat MA, Tagliabracci VS, Tackett L, Elmendorf JS, Thurmond DC. Munc18c phosphorylation by the insulin receptor links cell signaling directly to SNARE exocytosis. J Cell Biol. 2011 Apr 4;193(1):185-99.
2. **Ramalingam L**, Oh E, Yoder SM, Brozinick JT, Kalwat MA, Groffen AJ, Verhage M, Thurmond DC. Doc2b is a key effector of insulin secretion and skeletal muscle insulin sensitivity. Diabetes. 2012 Oct;61(10):2424-32.
3. **Ramalingam L**, Oh E, Thurmond DC. Novel roles for insulin receptor (IR) in adipocytes and skeletal muscle cells via new and unexpected substrates. Cell Mol Life Sci. 2013 Aug; 70(16):2815-34
4. **Ramalingam L**, Yoder SM, Oh E, Thurmond DC. Munc18c: A controversial regulator of peripheral insulin action. Trends Endocrinol Metab. 2014 Jul; pii: S1043-2760(14)00109.

5. **Ramalingam L**, Oh E, Thurmond DC. Doc2b enrichment enhances glucose homeostasis in mice via potentiation of insulin secretion and peripheral insulin sensitivity. Diabetologia. 2014 Jul;57(7):1476-84.
6. **Ramalingam L**, Lu J, Hudmon A, Thurmond DC. Doc2b serves as a scaffolding platform for concurrent binding of multiple Munc18 isoforms in pancreatic islet β-cells. Biochem J. 2014 Dec 1;464(2):251-8.
7. Tunduguru R, ChiuTT, **Ramalingam L**, Thurmond DC. Signaling of the p21-activated kinase (PAK1) coordinates insulin-stimulated actin remodeling and glucose uptake in skeletal muscle cells. Biochem Pharmacol. 2014 Sep; pii: S0006-2952(14)00523-1.
8. Lemieux M, **Ramalingam L**, Mynatt R, Kalupahana N, Kim J, Moustaid-Moussa N. Inactivation of Adipose Angiotensinogen alters Metabolic and Inflammatory Phenotypes in Diet-Induced Obese Mice. Obesity (Silver Spring, Md.). 2016, Volume 24, Issue 2, pages 359–367.
9. Ahn, M, Yoder SM, Wang ZW, Oh E, **Ramalingam L,** Tunduguru R, Thurmond DC. The p21-activated kinase (PAK1) is involved in diet-induced beta cell mass expansion and survival in mice and human islets. Diabetologia. 2016, Oct;59 (10):2145-55.
10. **Ramalingam L**, Menikdewella K, Lemieux M, Dufour J, Kalupahana N, Moustaid-Moussa N. The renin angiotensin system, oxidative stress and mitochondrial function in obesity and insulin resistance. Biochim Biophys Acta. 2017 May;1863 (5):1106-1114.
11. Pahlavani M, Razafimanjato F, **Ramalingam L**, Kalupahana N, Moussa H, Scoggin S, Moustaid-Moussa N. Eicosapentaenoic acid Increases Brown Adipose Tissue Thermogenic Markers in High Fat Fed Mice. J Nutr Biochem. 2016 Sep 22;39:101-109
12. Liyanage, S., Dassanayake, R. S., Bouyanfif, A., Rajakaruna, E., **Ramalingam, L**., Moustaid-Moussa, N., Abidi, N. Optimization and validation of cryostat temperature conditions for trans-reflectance mode FTIR microspectroscopic imaging of biological tissues. MethodsX, 4, 2017, Feb 2;4:118-127
13. Aljawadi, A., Moussa, H., **Ramalingam, L.**, Dharamawardhane, S., Gollahon, L., Gunaratne, P., Rahman, R., Moustaid-Moussa, N. Protective properties of n-3 fatty acids and implications in obesity-associated breast cancer. The Journal of nutritional biochemistry. 2017, Oct; 48:128-137.
14. Pahlavani, M., Kalupahana, N., **Ramalingam, L.**, Moustaid-Moussa, N., others Regulation and Functions of the Renin-Angiotensin System in White and Brown Adipose Tissue. Comprehensive Physiology. 2017 Sep 12; 7 (4):1137-1150.
15. Allen, L., **Ramalingam, L.,** Menikdiwela, K., Scoggin, S., Shen, C. L., Tomison, M. D., Kaur, G., Dufour, J. M., Chung, E., Kalupahana, N. S., Moustaid-Moussa, N. Effects of delta-tocotrienol on obesity-related adipocyte hypertrophy, inflammation and hepatic steatosis in high-fat-fed mice. Journal of Nutritional Biochemistry. 2017. 48, 128-137
16. Pahlavani, M., Ramalho, T., Koboziev, I., Lemieux, M., Jayarathne, S., **Ramalingam, L.**, Figueiras, L., Moustaid-Moussa, N. Adipose tissue inflammation in insulin resistance: review of mechanisms mediating anti-inflammatory effects of omega-3 polyunsaturated fatty acids. Journal of Investigative Medicine, 2017 Oct; 65 (7):1021-1027.
17. Pahlavani, M., Razafimanjato, F., **Ramalingam, L**., Kalupahana, N. S., Moussa, H., Scoggin, S., Moustaid-Moussa, N. Eicosapentaenoic acid regulates brown adipose tissue metabolism in high-fat-fed mice and in clonal brown adipocytes. The Journal of nutritional biochemistry, 2017 Jan;39:101-109
18. Wijayatunga, N., Pahlavani, M., Kottapalli, R., Dawson, J., **Ramalingam, L**., Gunaratne, P. H., Coarfa, C., Rajapakshe, K., Kalupahana, N. S., Moustaid-Moussa, N. Adipose Depot-Specific Differences in Transcriptome and MicroRNA Expression in High Fat Diet Induced Obese Mice. 2018 Oncotarget (in press)
19. Al-Jawadi, A., Rasha, F., **Ramalingam, L**., Alhaj, S., Moussa, H., Gollahon, L.,

Dharmawardhana, S., Moustaid-Moussa, N. Role of adipocytes on breast cancer cell inflammation, metabolism and migration, and the preventive effects of omega-3 fatty acids. International Journal of molecular sciences (in revision).

20. Wijetunge, s., Ratnayake, R.M.C.J, Kotakadeniya, H.M.S.R.B, Rosairo, S., Albracht, K., **Ramalingam, L**., Moustaid-Moussa, N., Kalupahana, N. Serum resistin and visceral adipocyte hypertrophy are associated with dysglycemia in South Asian women. The Journal of clinical endocrinology and metabolism. Journal of clinical endocrinology and metabolism (in revision).
21. Albracht, K., Rosairo, S., **Ramalingam, L**., Wijetunge, s., Ratnayake, R.M.C.J, Kotakadeniya, H.M.S.R.B, Dawson, J., Kalupahana, N., Moustaid-Moussa, N. Metabolic Changes Underlying Interactions Between Obesity and Non-Alcoholic Fatty Liver Disease in South Asian Females. Mediators of Inflammation. (in submission).

PRESENTATIONS:

Invited Presentations:

1. Role of Doc2b in Glucose Homeostasis. Obesity Research cluster, Texas Tech University, 2014.
2. Effects of Omega-3's on maternal obesity. Obesity society, 2015.
3. Adipose angiotensinogen overexpression promotes adipose associated inflammation and endoplasmic reticulum stress. International congress of Obesity, 2016.
4. Delta-Tocotrienol Regulates Lipid Metabolism in Livers of High Fat Fed Mice. American Society of Nutrition, 2016.

Conference Presentations

1. **Ramalingam L**, Oh E, Verhage M, Groffen AJ, Thurmond DC. Impaired glucose tolerance, insulin sensitivity and biphasic insulin release in Doc2b knockout mice. American Diabetes Association, 71st Annual Scientific Sessions 2011. San Deigo, CA.
2. Garrison RL, Scoggin S, Siriwardhana N, Labbé N, Ownley B, Gwinn K, D'Souza D, **Ramalingam L**, Moustaid-Moussa N. Anti-inflammatory effects of extracts from a bioenergy crop, switchgrass, in adipocytes. Southeastern Sun Grant Conference; 2015 February; Auburn, AL.
3. Albracht-Schulte KD, **Ramalingam L**, Kalupahana NS, Brocard C, Moustaid-Moussa N. Eicosapentaenoic acid (EPA) supplementation regulates hepatic lipid metabolism and inflammation in diet Induced obese mice. Annual Scientific Meeting of Experimental Biology; 2015 Mar; Boston, MA.
4. Pahlavani M, Razafimanjato F, Kalupahana NS, Scoggin S, **Ramalingam L**, Moustaid-Moussa N. Eicosapentaenoic acid increase brown adipose tissue thermogenic markets in high fat fed mice. Annual Scientific Meeting of Experimental Biology; 2015 Mar; Boston, MA.
5. **Ramalingam L**, LeMieux M, Scoggin S, Adrovet Z, Kalupahana N, Moustaid-Moussa N. Adipose angiotensinogen overexpression promotes adipose associated inflammation and endoplasmic reticulum stress. Annual Scientific Meeting of Experimental Biology; 2015 Mar; Boston, MA.
6. Albracht-Schulte K, **Ramalingam L**, Kalupahana N, Moustaid-Moussa N, Gunaratne P. Eicosapentaenoic Acid (EPA) Supplementation Regulates Hepatic Carbohydrate and Lipid Metabolism. Proceedings of the 33th Ann. Scientific Meeting of The Obesity Society; 2015 Nov; Los Angeles, CA.
7. Pahlavani M, Razafimanjato F, Kalupahana NS, Scoggin S, **Ramalingam L**, Moustaid-Moussa N. Eicosapentaenoic Acid Increases Thermogenic Markers in

Brown Adipose Tissue from High Fat Fed Mice and in Cultured Brown Adipocytes. Proceedings of the 33th Ann. Scientific Meeting of The Obesity Society; 2015 Nov; Los Angeles, CA.

8. Wijayatunga N, Pahlavani M, Kottapalli R, Dawson J, **Ramalingam L**, Gunaratne P, Coarfa C, Rajapakshe K, Kalupahana N, Moustaid-Moussa N. Adipose Depot-Specific Differences in Transcriptome and MicroRNA Expression in High Fat Diet Induced Obese Mice. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
9. Pahlavani M, Wijayatunga N, Kottapalli R, **Ramalingam L**, Gunaratne PH, Coarfa C, Rajapakshe K, Kalupahana NS, Moustaid-Moussa N. Transcriptomic and MicroRNA Analyses Identify Gene Networks Regulated by Eicosapentaenoic Acid in Brown Adipose Tissue from Diet-Induced Obese Mice. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
10. Albracht-Schulte K, Kalupahana N, **Ramalingam L**, Rosairo S, Wijetunge S, Kotakadeniya HMSRB, Ratnayake RMCJ, Dawson J, Moustaid-Moussa N. Metabolic Changes Underlying Interactions Between Obesity and Non-Alcoholic Fatty Liver Disease in South Asian Adults. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
11. Allen L, **Ramalingam L**, Shen C, Tomison MD, Kaur G, Dufour J, Chung E, Moustaid-Moussa N. Delta-Tocotrienol Dose-dependently Improves Adiposity, Inflammation, And Increased Markers of Lipid Oxidation in High Fat Fed Mice. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
12. Alhaj S, Aljawadi A, **Ramalingam L**, Moustaid-Moussa N. Obesity-Breast Cancer Interactions: Effects of Adipocytes on Breast Cancer Cells and Preventive Effects of Omega 3 Fatty Acids. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
13. George B, **Ramalingam L**, Menikdiwella K, Moustaid-Moussa N, Soto P. The Long-Term Effects of Early-Life Exposure to Olanzapine. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
14. Stewart B, **Ramalingam L**, Menikdiwella K, Moustaid-Moussa N, Soto P. The Long-term Weight and Metabolic Effects of Olanzapine in Mice and the Impact of Fish Oil Supplementation. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
15. Yen E, Wijayatunga N, Pahlavani M, **Ramalingam L**, Kottapall Ri, Kalupahana NS, Gunaratne P, Rajapakshe K, Coarfa C, Dharmawardhane S, Moustaid-Moussa N. MicroRNAs as a Novel Mechanism by which Eicosapentaenoic Acid Mediates Inflammation in Diet-Induced Obesity. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
16. Shen L, Kaur G, **Ramalingam L**, Tomison M, Chung E, Moustaid-Moussa N, Chun G, Reinoso C, Mo H, Dufour JF. Dietary tocotrienols improve glucose homeostasis and bone turnover biomarkers in high-fat-diet-induced obese male mice. Annual Scientific Meeting of Experimental Biology; 2016 Apr; San Diego, CA.
17. Kalupahana N, Albracht-Schulte K, **Ramalingam L**, Rosairo S, Wijetunge S, Kotakadeniya HMSRB, Ratnayake RMCJ, Dawson J, Moustaid-Moussa N. Serum Resistin is Associated with Adipocyte Hypertrophy, Inflammation and Metabolic Complications of Obesity in South Asian Women. 13th International Congress on Obesity, 2016 May; Vancouver, Canada.
18. **Ramalingam L**, Scoggin S, Kalupahana NS, Moustaïd-Moussa N Adipose Adipose Renin Angiotensinogen System mediates Fatty Acid Induced Endoplasmic Reticulum Stress. 16th International Congress of Immunology, 2016 August; Melbourne, Australia.
19. Moustaid-Moussa, N., **Ramalingam, L**., Yen, E., Wijayatunga, N., pahlavani, M., Kottapali, R., Gunaratne, P., Rajapakshe, K., Coarfa, C., Kalupahana, N., International Congress of Immunology, "MicroRNAs mediate anti-inflammatory effects of eicosapentaenoic acid in mouse adipose tissue. 16th International Congress of Immunology, 2016 August; Melbourne, Australia.

20. Peddibhotla, S. P. S. S. A. S. S., Scoggin, S., **Ramalingam, L**., Hedge, V., Dhurandhar, N., "Insulin Sparing Action of an Adenoviral Protein E4orf1." Obesity Society, November 2016. Boston, MA.
21. Short M., Chung E., McComb J., Kloiber S., Larumbe-Zabala E., **Ramalingam L**., and Fernandez del Valle M. Baseline Irisin Concentrations Not Altered by High-Intensity Resistance Training. APS intersociety meeting, November 2016; San Diego, CA.
22. Chen, Y., **Ramalingam, L**., wu, J., Moustaid-Moussa, N., Li, W., The Adipose Tissue Niche: Role in Health and Diseases, "An Integrated Biomimetic Adipose Tissue Microchip," NIH. November 2016.
23. chen, Y., **Ramalingam, L**., Wu, J., Moustaid-Moussa, N., Li, W. An Integrated Biomimetic Adipose Tissue Microchip. Annual Scientific Meeting of Experimental Biology; April 2017; Chicago, IL,
24. Shen, C., Kaur, G., **Ramalingam, L**., Tomison, M. D., Chung, E., Moustaid-Moussa, N., Dufour, J., Mo, H., Watkins, B. A. Dietary delta-tocotrienol modifies serum metabolite profiles in diet-induced obese mice. Annual Scientific Meeting of Experimental Biology; April 2017; Chicago, IL.
25. Shen, C.-L., Tomison, M. D., Kaur, G., **Ramalingam, L**., Dufour, J., Moustaid-Moussa, N., Chung, E., Mo, H., Cao, J. Effect of delta-tocotrienols and green tea polyphenols on high-fat-diet-induced bone deterioration in male C57BL/6J mice. Annual Scientific Meeting of Experimental Biology; April 2017; Chicago, IL.
26. **Ramalingam, L**., Menikdiwela, K., Allen, L., Scoggin, S., Koboziev, I., Moustaid-Moussa, N. Effects of Fish Oil Supplementation during Pregnancy and Post-weaning on Offspring Metabolic Health. Annual Scientific Meeting of Experimental Biology; April 2017; Chicago, IL.
27. Gonzalez, S. M., Albracht, K., **Ramalingam, L**., Kalupahana, N. S., Moustaid-Moussa, N. Mechanisms Mediating Effects of Eicosapentaenoic Acid in Hepatic Steatosis in High Fat Fed Mice and in HepG2 Hepatoma Cells. Annual Scientific Meeting of Experimental Biology; April 2017; Chicago, IL.
28. Dufour, J., Greer, R., Kaur, G., Wright, K., **Ramalingam, L.**, Chung, E., Moustaid-Moussa, N., Shen, C.-L., "Effect of Early Type 2 Diabetes on Male Fertility Effect of early type 2 diabetes on male fertility," American Society of Andrology. April 2017; Tampa, Florida.
29. Menikdiwela, K. R., Moustaid-Moussa, N., **Ramalingam, L**., Scoggin, S., Kalupahana, N. S. (2017). Micro RNAs Mediating Effects of Adipose Angiotensinogen in Adipocyte Inflammation and ER Stress. Annual Scientific Meeting of Experimental Biology; April 2017; Chicago, IL.
30. Dufour, J., Greer, R., Kaur, G., Wright, K., **Ramalingam, L.,** Chung, E., Moustaid-Moussa, N., Shen, C.-L. Effect of Early Type 2 Diabetes on Male Fertility Effect of early type 2 diabetes on male fertility," North American Testis Workshop, April 2017; Tampa, Florida.
31. Shen, C.-L., Tomison, M. D., Kaur, G., **Ramalingam, L**., Chung, E., Moustaid-Moussa, N., Mo, H., Dufour, J., 10th International Symposium on Nutritional Aspects of Osteoporosis, "Dietary geranylgeraniol improved glucose homeostasis, bone turnover biomarkers, and bone quality in an obesity-associated type 2 diabetes mellitus C57BL/6J mouse model.," Nutritional Aspects of Osteoporosis. June 2017; Rome, Italy,
32. Pahlavani, M, Wijayatunga, N, Ramalho, T., **Ramalingam, L**., Kottapali, R., Gunaratne, P., Coarfa, C., Rajapakshe, K., Kalupahana, N., Moustaid-Moussa, N., Immunometabolism and chronic disease conference, "Profiling of genes and micro RNAs regulated by eicosapentaenoic acid in brown and white adipose tissue from high fat fed mice," Garvan Institute of Medical Research, August 2017; Sydney, Australia.
33. Moustaid-Moussa, N, Menikdiwela, K., **Ramalingam, L**., Scoggin, S, Kalupahana, N., Immunometabolism and chronic disease conference, "Mechanisms Linking

Adipocyte Renin Angiotensin System, Inflammation and Endoplasmic Reticulum (ER) Stress," Garvan Institute of Medical Research, August 2017; Sydney, Australia.

34. Parajuli, P., Liyanage, S., Rajakaruna, H., **Ramalingam, L**., Moustaid-Moussa, N., Abidi, N., American Chemical Society - Regional meeting, "Poster," American Chemical Society. September 2017; Lubbock, Tx
35. Liyanage, S., Bouyaniff, A., **Ramalingam, L**., Moustaid-Moussa, N., Abidi, N., American Chemical Society, Obesity-associated biochemical changes in adipose tissues and liver investigated by FTIR microspectroscopy imaging, American Chemical Society. September 2017; Lubbock, TX.
36. **Ramalingam, L**., Menikdiwela, K., Allen, L., Scoggin, S., Moustaid-Moussa, N., IUSN 2017, "Effects of Fish Oil Supplementation During Pregnancy and Post-Weaning on Offspring Metabolic Health," Internal Congress of Nutrition, October 2017; Argentina.
37. Chung, E., Joiner, H., Campise, S., Gonzalez, K., Kaur, G., Dufour, J., **Ramalingam, L**., Wright, K., Tomison, M. D., Moustaid-Moussa, N., Shen, C.-L., SCWD Conference, "Effect of delta-tocotrienols and green tea polyphenols on glucose homeostasis and skeletal muscle in obese male mice with insulin resistance," International Association of Sarcopenia, December 2017; Rome.

PROFESSIONAL SERVICE

EDITORIAL BOARD:
08/16- present International Journal of Diabetes
08/16- present Obesity and Nutritional Disorders

Invited Reviewer for the following Journals (2014-Present)

Atherosclerosis
Frontiers in Aging Neuroscience
Diabetologia
International Journal of Obesity
Mediators of Inflammation
Molecules Nutrients
Obesity
Obesity and Nutritional Disorders
PLOS One

Others:
American Society of Nutrition Abstract Reviewer Feb 2017
National Institute of health, Reviewed Trainee grants in NIH study section ZATO. October 2017.
USDA, Reviewed one phase II project. (October 2017 - Present).

Research support (Ongoing):

External:

1. 07/17-06/19 PI, Title: Early Life programming by omega-3s Fatty Acids in Obesity associated Inflammation. AHA
2. 08/16-08/19 Co-PI, Title: Anti-obesity Effects of Omega 3 Fatty Acids in Brown Adipose Tissue. NIH
3. 05/16-04/18 Co-PI, Title: Mechanisms Mediating Anti-inflammatory Effects of Omega 3 fatty acids in metabolic disorders: Role of lipid mediators and miRNAs. Sprint TTU/ FAPESP Brazil.

Research Support (Past):

External:

1. 11/14-12/17 Co-PI, Title: Effects of Bioactive Compounds (Tocotrienols and Geranylgeraniol) on Type 2 Diabetic Rats. American River Nutrition
2. 11/14-12/17 PI, Title: Role of Omega-3's in Maternal Obesity. Obesity Society
3. 07/12-01/14 PI, Title: Role of Doc2b in Glucose Homeostasis. AHA, Midwest Affiliate

Internal:

1. 08/16-08/17 Co-PI, Title: Identification of Novel Pathways and miRNA Targets Mediating Effects of Angiotensin's in Obesity-Related Diabetes & Pancreatic Function. Obesity Research Cluster, TTU.
2. 08/16-08/17 Co-PI, Title: Developing an Integrated Biomimetic Human Adipose Tissue Microchip to Study Obesity-Associated Disorders. Obesity Research Cluster, TTU.
3. 08/16-08/17 Co-PI, Title: Modeling of Mammography Radiation Exposure on Human Adipose Breast Cancer Tissue Interaction. Obesity Research Cluster, TTU.
4. 08/15-08/16 PI, Title: Effects of EPA in maternal obesity. Obesity research Cluster, TTU.
5. 08/15-08/16 Co-PI, Title: Long-term effects of early-life exposure to olanzapine on weight, metabolism, and behavior and nutritional interventions to prevent those. Obesity Research Cluster, TTU.
6. 03/15-12/15 Co-PI, Title: International Research/Development Award: Biomarkers of insulin resistance, fatty liver and obesity in Southeast Asian population. Office of International affairs, TTU