

Naima Moustaid-Moussa, Ph.D. DFASN, FTOS, FAHA, FNAI

CURRICULUM VITAE

PERSONAL DATA:

Name: Naïma Moustaid-Moussa
(Others used Naima Moustaid & Naima M Moussa)
Citizenship: U.S.A (and Morocco)
DOB: 03/29/1962
Gender: Female
Race/Ethnicity: Black/African-American/Arab/Amazigh
Tel. (Office): + 1- 806-834-7946
E-mail: naima.moustaid-moussa@ttu.edu (Work)
moustaid2@gmail.com (Personal)

EDUCATION:

1989 Ph.D. Endocrinology (Metabolic, Cell and Molecular)
Sorbonne University (Formerly University of Paris VI (P & M Curie), France)
1986 D.E.A. (Diplome Etudes Approfondies) Equivalent to MS,
Endocrinology
Sorbonne University (Formerly University of Paris VI (P & M Curie), France)
1985 License & Maitrise (B.S.) Cell Biology & Physiology
University of Paris XI, Orsay, France
1983 DEUG. Biology & Geology (University Diploma)
University Mohammed V, Rabat. Morocco

PROFESSIONAL EXPERIENCE

9/1/2025 **Paul W. Horn Distinguished Professor,**
School of Veterinary Medicine, Texas Tech University
7/2024 - **Inaugural Executive Director,** the Institute for One Health
Innovation, Texas Tech System.
Provides leadership for a unique collaborative effort
between Texas Tech University (TTU) and TTU Health
Sciences Center (TTUHSC) to collectively advance the
health of animals, humans and our ecosystem. Aims to
develop programs and opportunities to unify all facets of
One Health research across the TTU System
7/2024 - Professor, Cell Biology & Biochemistry, TTUHSC
2023 - 2024 **Associate Vice President for Research,** Office of
Research & Innovation, Texas Tech University
“Assist with strategic research initiatives, infrastructure and
transdisciplinary research in health-related areas, and
faculty mentoring.”

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2/2021-	Paul W. Horn Distinguished Professor (Endowed position; highest faculty level at TTU with <30 active faculty at this rank, 8 of whom are women)
2/2019-2025	Founding Director , Obesity Research Institute (ORI), Office of Research & Innovation, Texas Tech University, TTU (formerly, Obesity Research Cluster, ORC) “Leadership and coordination of an interdisciplinary research program focused on translational research from basic discoveries to clinical and community-based intervention. Institute faculty members mainly come from TTU and TTU Health Sciences Center. Emphasis on collaborations within the TTU System and partnership with other organizations within and outside the state”
2018-2021	Presidential Research Excellence Professor , TTU
2016-2019	Adjunct Professor , Plant & Soil Science department, TTU
2013-2019	Founding Director , Obesity Research Cluster (ORC), (Now ORI), TTU, Lubbock, TX <u><i>Funded by the President Cluster Hire Tier 2 (2014-2018) & the College of Human Sciences</i></u>
2012-2025	Professor , (Senior Strategic Hire) Nutritional Sciences Director , Nutrigenomics, Inflammation and Obesity Research Laboratory <i>“Primary research areas: Role of adipose tissue endocrine function in inflammation, metabolic disorders and aging; nutrient-gene interactions; anti-inflammatory effects of plant and food bioactive compounds; genomics, proteomics and metabolomics of obesity and diabetes; animal models and model organisms for human disorders of energy balance and Alzheimer’s disease; beta cell proteomics and signaling in diabetes; diet, inflammation and obesity-cancer interactions.</i> <i>Secondary areas: Prevention of childhood obesity, utilizing innovative and creative programs based on experiential learning; Extension and nutrition education programs for schools and underserved communities</i>
2008-2012	Professor , Nutrition and Physiological Genomics. Department of Animal Science (AgResearch) and Professor , Department of Family and Consumer Sciences (UT Extension). The University of Tennessee (UT) Institute of Agriculture, Knoxville, TN
2007-2012	Co-Director , UT Obesity Research Center. “Center leadership; <i>primary center contact and center assistant supervision, responsible for center management,</i>

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	<i>budgets and oversight of web site and center grants and listserv announcements; liaison with Deans and Vice President for Research; oversight of Pilot and Feasibility program and center reviews and reports; organization of ORC annual meetings and regular research workshops”</i>
2003-2007	Professor , Molecular and Cellular Nutrition; UT Nutrition Department and TN Agricultural Experiment Station
2003-	Professor (Adjunct) , Genome Science and Technology (GST) Program, UT-ORNL Graduate School of GST
2004-2005	Fulbright Scholar and Visiting Professor ; The European Institute for Chemistry and Biology and University of Bordeaux, France. <i>Beta Cell Proteomics and Signaling</i>
1998-2003	Associate Professor , UT Nutrition Department and TN Agricultural Experiment Station, UT-Knoxville
1999-2003	Associate Professor (Adjunct) , UT-ORNL Graduate school of GST
1993-1998	Assistant Professor , UT Nutrition Department and TN Agricultural Experiment Station
1993-1996	Assistant Professor (Adjunct) , Physiology Program, UT
1989-1993	Postdoctoral Fellow , Harvard School of Public Health, Nutrition Department, Boston, MA
1985-1989	Graduate Student . Institute Biomedical des Cordeliers, INSERM 177. Nutrition Unit, Paris, France
1986-1989	Research Technician . Pharmacology Unit. Biomedical. Institute des Cordeliers. Paris, France
1983-1986	Research Technician . Molecular Genetics Center Gif/Yvette. France

HONORS, AWARDS and PATENTS:

7/25-07/26	President of the American Society for Nutrition
03/2025	Distinguished Fellow of the American Society for Nutrition (DFASN)
12/2024	Fellow, National Academy of Inventors (FNAI)
7/24-07/25	President-Elect, American Society for Nutrition (ASN)
2023	TTU College of Human Sciences Wolf International Award
2023-2024	Vice President Elect, American Society for Nutrition (ASN) Four-year term- Presidential Line
2022-	Member, National Academies’ Board on Agriculture & Natural Resources (BANR)
2021-	Paul W. Horn Distinguished Professor, TTU
2021	Barnie E. Rushing Jr, Faculty Distinguished Research Award
2020	Black Women in The Academy Award: Recognized as one of 5 black women full professors ate Texas Tech University for exemplary contributions to the academy

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- 2020-2022 **Elected, Director At-Large, American Society for Nutrition (ASN) Board of Directors, representing Nutrition Mechanisms (basic science)**
- 2020 **Korean Society for Nutrition award, sponsored by ASN**
- 2020 Outstanding Researcher, Office of Research & Innovation, TTU
- 2020 College of Human Sciences nominee for the Bernie E. Rushing Jr. Faculty Distinguished Research Award
- 2019-2020 American Society for Nutrition (ASN) Program Committee
- 2019 College of Human Sciences nominee for the Bernie E. Rushing Jr. Faculty Distinguished Research Award
- 2019 Outstanding Faculty mentor for Undergraduate Research. TTU Center for Transformative Undergraduate Experiences (TrUE)
- 2018-2022 **Steering Committee Member, Statewide committee on obesity prevention, Live Smart Texas (LST) & Representative for Texas Region 1.**
- 2018 Honorary Professor, Zhejiang Chinese Medical University
- 2018 College of Human Sciences nominee for the Faculty Distinguished Leadership Award, TTU
- 2018 Nancy J Bell. Excellence in Mentoring Award, TTU Graduate School
- 2018-2021 Presidential Excellence in Research Professorship, TTU
- 2018 Invited, One Thousand Talent Program, China (Declined participation)
- 2016 Co-inventor, U.S. patent # 9,282,747, issued in March 2016 on antimicrobial and anti-inflammatory effects of the bioenergy crop, switchgrass.
- 2016-2022 **Member of the NIH Human Studies in Obesity & Diabetes study section (HSDO, formerly Clinical and Integrative Diabetes and Obesity, CIDO)**
- 2016-2018 **Elected to the Nutritional Sciences Council Governing Committee of ASN (American Society for Nutrition), representing Cell/Molecular Nutrition**
- 2015-2016 American Heart Association (AHA) Leadership Peer Review Steering Committee, representing the AHA Southwest Affiliate
- 2015 **Fellow of the American Heart Association (FAHA), Council of Lifestyle and Cardiometabolic Health**
- 2015 **Pfizer Nutritional Sciences Consumer Healthcare Award, sponsored by the American Society for Nutrition**
- 2014-2016 Member, ASN Education & Oversight Committee, representing Nutritional Sciences Council
- 2013-2015 **Chair, American Heart Association Lipids Basic Science Peer Review Committee**
- 2013 Co-inventor, US Patent # 14/079,015: Antimicrobial and anti-inflammatory effects of switchgrass-derived extractives
- 2012 Nominated for Secretary of The American Society for Nutrition

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2012	Outstanding Investigator Award, The American Society for Nutrition, Nutrient-Gene Interactions Research Interest Section,
2012	Nominated for Vice President of The Obesity Society
2011-2013	Co-Chair, American Heart Association Lipids Basic Science Peer Review Committee
2011-	Voting member, AHA Lipids Basic Science Peer Review Committee
2010-11	Participant, LEAD21 Program (Leadership and professional development training for Land Grant Universities & USDA)
2010-2013	Elected Council Member of The Obesity Society, representing Basic/Experimental Obesity Researchers (Council liaison for the Basic Science Section, Development Committee and Nominating Committee)
2007	Chancellor's Award for Research and Creative Activity, The University of Tennessee
2007	Invited Professor (March), The University of Bordeaux
2007-	Member, TN Obesity Taskforce (Advisory board charged with development and implementation of the CDC-funded state plan for obesity)
2004-2005	Fulbright Scholar and invited Visiting Professorship, European Institute of Chemistry and Biology, University of Bordeaux, France
2002	Co-inventor, US Patent # 6492130. Modulation of the sulfonylurea receptor and calcium in adipocytes for treatment of obesity/diabetes
2001	Co-inventor, US Patent # 6242200: Screening for SUR1 antagonists using adipocytes
2001	Science Alliance Award, University of TN
2001-2006	Established Investigator Award, American Heart Association
2000	Co-inventor, US Patent # 6100047: Modulation of the sulfonylurea receptor and calcium in adipocyte for treatment of obesity/diabetes
2000	Faculty Enrichment Award for Research, College of Human Ecology, University of TN
1998	Among UT Faculty honored by The Vice Chancellor's for Academic Affairs Office for Professional Recognition outside the University
1998	Arch of Achievement Award for Research, Human Ecology
1998	Faculty Enrichment Award for Research, Human Ecology
1996	Fellow of The Obesity Society (FTOS)
1995-1998	Career Development Award, American Diabetes Association

FUNDING

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PENDING:

- 2025-2030 NIH RCMI NIH - NIMHD (U 54), TTUHSC: Texas Tech Center for Translational Research and Rural Health; Role: MPI (\$27M)
- 2025-2029 USDA NIFA FAS - Partnership: Mechanisms Linking Protective Metabolic Effects Of Ammoniated Beef In Diet-Induced Obese Mice To Changes In Gut Microbiota; MPI: Moustaid-Moussa /Festuccia (Unis. Sao Paulo, Brazil), Co-I: Albracht-Schulte; Total: \$800,000

AWARDED

- 2024-2027 **Qatar National Research Fund/QBRI/HBKU** “Mechanisms underlying the protective effect of Glucagon-Like Peptide-1 Receptor agonists on Nonalcoholic Fatty Liver Disease in mice Role: US PI (Total: \$680,000, Lead Qatar PI: Arredouani); TTU subaward: \$134,000, Moustaid-Moussa, TTU PI)
- 2023-2026 **NSF** research award, “Mouth to Mind: Leveraging network dynamical systems and software to understand diet, diabetes, dementia and modifiable risk factors delaying Alzheimer's disease; Role: Co-I, \$555,514 (PI: Travis Thompson)
- 2023-2026 **USDA NIFA AFRI** Award “Novel prebiotic nanoparticles to enhance tart cherry anthocyanin bioavailability and improve gut health in obesity; Role: Co-PI; ~\$300,000
- 2023-2025 **AHA AIREA** “The Role of Glycolytic Beige Fat in Atherosclerotic Cardiovascular Disease”; Role: Co-PI; \$154,000
- 2021-2026 **USDA-NIFA REEU-** Nutrition Bench to Community Engaged Scholars in Texas (Nutrition BEST Undergraduate Training Grant) Role: PI (Total: \$500,000). Collaborators include TTU (Engineering, Agriculture, Human Sciences, STEM CORE TrUE), TTUHSC, Texas A&M AgriLife Extension, University of TN Extension, and Qatar Computing Research Institute/Hamad Bin Khalifa University
- 2021-2022 **NSF I-Corps** Innovation award; PI (\$50,000)
- 2020-2023 **USDA Post-doctoral Fellowship.** Role: mentor/sponsor; applicant: Dr. Kembra Albracht-Schulte (Total: \$165,000)- Award was transferred into an independent research grant when Kembra moved to a tenure track faculty position.
- 2019-2024 **USDA-NIFA** Synergistic effects of tart cherry anthocyanins and omega 3 fatty acids in obesity-associated inflammation; Role: PI (Total: \$500,000)
- 2019-2022 **AHA AIREA Award** Mechanisms of curcumin effects on microbiome and inflammation in diet-induced obese mice; Role: PI (Total: \$154,000)

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- 2019-2023 **Qatar National Research Funds/QBRI/HBKU** Therapeutic benefits of DNAJB3 in obesity and diabetes. Role: US PI (Total: \$600,000, Dehbi then Thornalley, Qatar Lead PI); TTU subaward: \$147,000, Moustaid-Moussa, TTU PI)
- 2018-2025 **Empirical Foods Inc;** Role: PI. Multidisciplinary project on effects of lean beef proteins on diabetes, obesity and cancer in relevant mouse models (Total: \$1,600,000; PI: Moustaid-Moussa)
- 2018-2021 **NIH, Administrative Supplement from NIA to active NCCIH award.** Protective Effects of fish oil in a Mouse Model of Alzheimer's Disease. Role: PI (Total: \$364,000)
- 2018-2022 **Qatar Biomedical Research Institute/Qatar Foundation.** Heat shock protein DNAJB3 function in diabetes and obesity. Role: US PI (Total: \$68,000)
- 2018-2020 **USDA Postdoctoral Fellowship.** Role: Mentor/Sponsor; applicant: Dr. Mandana Pahlavani (Total: \$165,000)
- 2017-2019 **AHA AIREA Award.** Role: Co-I; PI: Latha Ramalingam; Maternal dietary obesity and metabolic disorders in offspring (Total: \$154,000)
- 2017-2019 **USDA Pre-doctoral Fellowship.** Role: mentor/sponsor; applicant: PhD candidate Kembra Albracht-Schulte (Total: \$95,000)
- 2016-2021 **NIH/NCCIH- R15.** Anti-obesity effects of omega 3 fatty acids in brown adipose tissue. Role: PI (Total: \$434,000)
- 2015-2017 **USDA-NIFA AFRI.** Exploratory Award. Developing the *C elegans* as a model organism for nutritional studies. Role: Lead PI/PD; Co-PIs: Vanapalli, Blawdziewicz and Wang (Total: \$100,000)
- 2015-2017 **American River Nutrition, Inc. (ARN).** Effects of Bioactive Compounds (Tocotrienols and Geranylgeraniol) in Type 2 diabetic animals. Role: Co-PI; Lead PI: Shen TTUHSC (Total: \$99,000)
- 2014-2017 **USDA-NIFA AFRI.** Conference Grant; EB Nutri-metabolomics symposium and USDA Project Directors research meetings. Role: PI/PD (Total: \$39,000)
- 2014-2018 **TTU President Cluster Hire (Tier 2) Obesity Research Cluster;** Role: PI
- 2013-2017 **USDA-NIFA AFRI** Competitive Research Award; Organosolv extractions and value-added products from switchgrass. Role: Co-PI; P/PD: Dr. Nicole Labbe, Univ. TN (Total: \$500,000)
- 2013-2016 **AHA Southwest Affiliate;** Grant In Aid; Inactivation of adipocyte angiotensinogen prevents inflammation and insulin resistance. Role: PI (Total: \$154,000)
- 2013-2015 **Sungrant Southeast award (Bioenergy/USDA);** Extractives in switchgrass: value added products to prevent adipocyte inflammation. Role: Co-PI; Lead PI: Dr. Labbe, Univ. TN (Total: \$125,000)

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- 2013 **Office of the Vice President for Research, Texas Tech University**; Competitive Stimulus Proposal Funds. Angiotensinogen inactivation prevents inflammation. Role: PI (Total: \$10,000)
- 2013 **Office of the Vice President for Research, Texas Tech University**; Competitive Stimulus Proposal Funds; Role: Co-PI; Childhood obesity prevention (Total: \$25,000)
- 2012-2016 **Texas Tech University** (OVPR and COHS) Research Start Up Funds
- 2008-2013 **USDA NIFA** (CSREES) NRI (AFRI) Competitive Research Award Integrated Research and Extension childhood obesity project. Role: Co-PD; PI/PD: Carol Costello, Univ. TN (Total: \$625,000)
- 2012 **TN AgResearch** Innovative Grant: Mechanisms mediating anti-inflammatory effects of omega 3 polyunsaturated fatty acids. Role: PI (Total: \$25,000)
- 2012-2013 **Physicians Medical Education & Research Foundation** Research Award: Effects of bariatric surgery on adipose tissue and systemic inflammation. Role: PI (Total: \$10,000)
- 2011-2012 **AgResearch and Extension** Innovative Grant: Anti-inflammatory effects of bioactive components of food, metabolic and food borne illnesses. Role: PI (Total: \$38,000)
- 2009-2011 **USDA-NIFA-AFRI** competitive research award Epidemiologic tools to assess obesity-related energy and nutrient intakes. Role: Acting PI (award transfer from Dr. Lisa Jahns after she left the Univ. TN) (Total: \$149,000)
- 2010-2011 **UT Center of Excellence** for Livestock and Human Diseases: Isoflavones and adipocyte inflammation. Role: PI (Total: \$15,000)
- 2011-2013 **Physicians Medical Education & Research Foundation** Research Award: Omega-3 fatty acids and insulin resistance. Role: PI (Total: \$9,000)
- 2009-2011 **Physicians Medical Education & Research Foundation** Research Award: quercetin, adipocyte inflammation and diabetes. Role: Co-PI; PI: Dr. Nalin Siriwardhana, Univ. TN (Total: \$10,000)
- 2009-2010 **USDA-AFRI** Conference Grant, Experimental Biology symposium on "Systems Genetics in Nutrition and Obesity". Role: PI. (Total: \$10,000)
- 2008-2012 **University of Tennessee**; Obesity Research Center, Organized Research Unit Funding. Role: PI and Co-director (Total: \$)
- 2007-2010 **AHA**, Southeast Affiliate. Mechanisms linking adipocyte angiotensinogen to insulin resistance and inflammation. Role: PI (Total: \$155,000)
- 2005-2010 **USDA-NRI** Competitive Research Grant. Dietary regulation of the secretory function of adipose tissue. Role: PI/PD (Total: \$499,000)

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- 2006-2008 **Physicians Medical Education & Research Foundation**
Research Grant. Regulation of the renin angiotensin system in obesity and insulin resistance. Role: PI (Total: \$10,000)
- 2004-2005 **Fulbright** (Aquitaine) Scholarship and Visiting Professor, European Institute for Chem/Biol., Bordeaux, France. Beta cell signaling and proteomics and mechanisms of diabetes. Role: PI (Total: €25,000)
- 2005 **USDA-NRI** Conference Grant, for organizing the FASEB Summer Conference. Nutrient control of gene expression and signaling. Role: PI (Total: \$15,000)
- 2005 **AHA** Conference Grant, FASEB Summer Conference. Nutrient control of gene expression and signaling. Role: PI (Total: \$5,000)
- 2005 NIH Conference grant (R23), FASEB Summer Conference. Nutrient control of gene expression and signaling. Role: Co-I; PI: Howard Towl; Univ. MN (Total: \$23,000)
- 2002-2006 **NIH (NIA U01)**. Screening for aging phenotypes in ENU mutagenized mice. Role: Co-PI on the Aging phenotyping core (Total award: \$5M; Aging award as Co-PI: \$400,000)
- 2001-2006 **AHA, National Center. Established Investigator Grant.** Angiotensin regulation of adipocyte gene expression and signaling. Role: PI (Total: \$300,000)
- 2003-2004 **UT College of Education Health and Human Sciences** Catalyst Grant “proteomics of adipose tissue”. Role; PI (Total: \$25,000)
- 2003 **USDA-NRI** Conference Grant. ASNS Symposium on Improving Human Nutrition through genomics, proteomics and biotechnology). Role: PI (Total: \$4,000)
- 2002-2003 **Physicians Medical Education & Research Foundation**
Research Grant: Nutritional regulation of angiotensins. Role: PI (Total: \$ 10,000)
- 2002-2004 **UT**, Two Professional Development Awards. Role: PI (Total: \$5,000)
- 2001-2002 **Physicians Medical Education and Research Foundation**
Research Grant: animal models of the renin angiotensin system. Role: PI (Total: \$15,000)
- 2001-2002 **Center of Excellence in Genomics and Bioinformatics, UTHSC**, Research Grant (seed funds), “Genomics and proteomics of obesity, diabetes and CVD”. Role: PI (Total: \$25,000)
- 1999-2001 **AHA**, Grant In Aid, Southern Affiliate’ Angiotensin regulation of leptin: role of prostaglandins. Role: PI (Total: \$70,000)
- 1998-2002 **USDA-NRI** Competitive Research Grant. Nutritional regulation of the human fatty acid synthase gene. Role: PI (Total: 180,000)
- 1999-2000 **Physicians Medical Education and Research Foundation**; two-research grants (PI): Angiotensin-leptin interactions (Total: \$20,000)

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- 1997-1999 **Knoll Pharmaceuticals.** Agouti-Insulin interactions in obesity. Role: Co-PI (Total: \$242,000)
- 1997-1999 **American Heart Association** Grant In Aid, TN Affiliate. Angiotensin regulation of adipocyte gene expression. Role: PI (Total: \$50,000)
- 1997-1998 **Plastic Surgery Division, UT Medical Center;** Two Research Grant: Human adipose tissue metabolism and gene expression. Role: PI (Total: \$10,000)
- 1995-1998 **The American Diabetes Association** Career Development Award: Cloning and insulin regulation and the adipocyte fatty acid synthase gene. Role: PI (Total: \$225,000)
- 1995-1996 **New Foundation for Diabetes** Research Award: Insulin regulation of human adipocyte gene transcription. Role: PI (Total: \$15,000)
- 1995-1998 **Physicians Medical Education and Research Foundation** Three-Research Grants. Expression and regulation of the renin angiotensin system in adipose tissue in obesity and diabetes: human and animal models. Role: PI (\$30,000)
- 1994-1995 **University of Tennessee,** Professional Development Award. Role: PI (Total: \$5,000)

Previous Undergraduate, Graduate and Postdoctoral Funding:

- 1993-1994 Postdoctoral Fellowship from the Juvenile Diabetes Foundation (second year funding declined to take a tenure-track faculty position). Insulin regulation of metabolic gene transcription
- 1991-1993 Postdoctoral Fellowship from Juvenile Diabetes Foundation. Insulin regulation of metabolic gene transcription
- 1988-1989 Research Grant from "Group Lipid Nutrition". Development of human adipocyte cell culture models. Paris, France
- 1980-1989 Scholarship for undergrad and graduate education from the Ministry of National Education, Morocco

PROFESSIONAL SOCIETIES:

ASN (American Society for Nutrition)
The Obesity Society, TOS
AHA (American Heart Association)
ISSFAL (International Society for the Study of Fatty Acids & Lipids)
Previous memberships-not active: American Diabetes Association & AAAS

PROFESSIONAL SERVICE

JOURNALS EDITORIAL BOARDS

- 2022 Associate Editor, Nutrition Reviews
2022 - Editorial Board, Journal of the AHA (JAHA); Guest Associate

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	Editor
2020 -2024	Editorial Board, Scientific Reports, Nature-Springer
2017-2018	Guest Editorial Board, Mediators of Inflammation Special Issue
2011-	Journal of Nutritional Biochemistry
2011-	Frontiers in Nutrigenomics
	Frontiers in Fatty Acid and Lipid Physiology
2005- 2008	Adipocytes, International Journal; Editorial Board
1997- 2009	Biochemical Journal Editorial Advisory Board
1996	Guest Editorial Board, special issue of Nutrition in the American Journal for Health Studies

BOOKS EDITED:

Marcel Dekker: Genomics and Proteomics in Nutrition. Co-edited with Dr. Carolyn Berdanier, August 2004

CRS Press: Nutrient-Gene Interactions in Health and Disease, CRC Press
Co-edited with Dr. Carolyn Berdanier, June 2001

GRANT REVIEW COMMITTEES:

2024	Peer Reviewer, NIH Loan Repayment Program
2016-2022	Regular/standing Member, NIH, Clinical & Integrative Diabetes and Obesity (CIDO) study section (renamed in 2021 as HSDO: Human Studies of Diabetes and Obesity)
2019	Peer Reviewer, FAPESP, Brazil
2010-2021	Peer Reviewer, Swiss National Science Foundation
2016	Peer reviewer, NIH NIDDK Molecular and Cellular Endocrinology (MCE) Study Section
2015	Peer, Reviewer, NIH NIDDK P01 program study section
2015	Peer Reviewer, Ohio State University; SEEDS: OARDC Research Enhancement Competitive Grants Program proposal
2015	Univ. Washington St Louis, Peer reviewer, Pilot & Feasibility grant, Diabetes Research Center
2013-2015	Chair, AHA Lipids Basic Science Peer Review Committee
2013	Reviewer, Wellcome Trust Research Awards, UK
2012	Reviewer, Dutch Diabetes Research Foundation, Diabetes Fonds Projects, Netherlands
2012-2013	AHA, Co-Chair, "Lipids Basic Sci." Peer Review Committee
2012	Oak Ridge Associated Universities, Peer reviewer, state health departments research programs
2011-	AHA, "Lipids" Peer Review Committee (National and affiliates)
2010	NIH, P01 Energy Balance Program Study Section
2009	NIH, NRSA (F31/F32) Diversity Fellowship Study Section
2007-2009	Fulbright (Europe) Peer Review Committee

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12/2007	NIH, ONRC (Obesity Nutrition Research Centers) Study Section
07/2007	NIH, NRSA (F31/F32) Fellowship Study Section
02/2007	NIH, CNRU (Clinical Nutrition Research Units) Study Section
10/2005	NIH, CNRU Study Section
06/2004	NIH, IPOD (Integrative Physiology of Obesity/Diabetes) Section
02/2004	NIH, Nutrition Study Section
10/2003	NIH, Nutrition Study Section
10/2003	USDA-ARS, Pediatric Nutrition Center Review Panel
07/2002	NIH, NRSA (F31) Fellowship Study Section
1997-	USDA-NRI Ad Hoc Grant reviewer
1996-1997	AHA Grant review committee, Tennessee Affiliate

OTHER PROFESSIONAL SERVICE:

2024	External Reviewer, Promotion & Tenure, University of Connecticut
2023	External Reviewer for a Scientist, Diabetes Center, Qatar Biomedical Research; Institute, Doha, Qatar
2022-	External advisor/Mentor, for Research Project Leader on the COBRE Precision Nutrition Award, University of Hawaii
2022	External Review, Promotion, Pennington Biomedical Research Center (LSU)
2022	External Reviewer, Promotion, TTUHSC Lubbock
2021	External reviewer, Promotion Tenure, Oklahoma State University
2021	External reviewer, Promotion Tenure, University of Nevada, Reno
2020	External reviewer, Promotion Tenure, Univ. Mass Amherst
2020	External reviewer, promotion to full professor, The University of Auckland, New Zealand
2020	External reviewer, Promotion Tenure, Univ. of Georgia, Athens
2019	External Reviewer, Tenure, Indiana U School of Public Health
2019	External Reviewer, Tenure, University of NC-Chapel Hill, Nutrition
2018	Co-organizer and co-chair, Symposium on <i>Immunometabolism and Obesity</i> ; Nutrition 2018 Annual Meeting of the American Society for Nutrition, Boston, MA, June 2018
2018	External Reviewer for Promotion & Tenure, University of CT.
2018	External Reviewer, Oak Ridge Associated Universities (FL)
2017	External Reviewer, Gordon Research Conference on Metabolomics and Human Health
2015	External Reviewer for Promotion & Tenure, University of Ark.
2015	External Reviewer for Promotion & Tenure, McMaster University, Canada
2015	External Reviewer for Promotion & Tenure, University NV, Reno
2014-2017	The Obesity Society (TOS), Public Affairs Committee Member
2014	External Reviewer for Promotion & Tenure, Southern IL University
2012	AHA, Research & Scientific Classification Subcommittee
2010-2013	The Obesity Society Council Member representing basic obesity

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	Research (also serves as council liaison to Basic Science Section, Development Committee and Awards Committee)
2007-	Advisory Board, ASN's Nutrient-Gene Interactions Research Interest Section
2007-2008	American Society for Nutrition (ASN) Young Investigators Awards Committee
2006	ASN, Predoctoral Fellowships Committee
2003-2007	Steering Committee, FASEB Summer Conference on Nutrient-Gene Interactions
2005	Co-organizer of the FASEB summer conference on Nutrient Control of Gene Expression and Signaling, held in July 2005 at Omni resort, Arizona
2004	FASEB summer conference on Obesity; GA; session chair
2003	FASEB summer conference on Molecular Nutrition; Snowmass Colorado; organizing committee and session chair; 08/03
2003	63 rd American Diabetes Association scientific meeting, adipocyte session chair
2003	Invited participant, National Academies workshop on Foods and Health (Organized by The Board on Agriculture)
2003	Discussion co-leader, NIH Office of Dietary Supplements Strategic Planning Meeting for 2004-2005
2003	Symposium Co-Organizer for the American Society Nutritional Sciences. (ASNS), Experimental Biology (EB); Improving Human Nutrition through genomics, proteomics and biotechnology)
2002	Session co-chair; International Congress on Obesity Brazil
2000-2001	Chair, ASNS Nutrient-Gene Interactions Research Interest Section
2001	Co-chair, Nutrition and genomics symposium at EB 2001
2000	Organizer, Symposium on adipocyte differentiation and metabolism, sponsored by ASNS, EB 2000
1998-2000	Secretary, ASNS Nutrient-Gene Interaction Research Interest Section
1998-2000	Program Planning Committee, ASNS
1999	FASEB (EB, Washington DC): Co-chair, Minisymposium on fatty acids and gene expression
1998	Adipose cell biology section advisory committee, 8 th International Congress on Obesity, August 1998
1998	Session chair, International Congress on Obesity, 08/98
1997	Session chair, NAASO, Breckenridge, Co, 10/97
1997	Session chair, Southeastern Lipid Conference, 10/97

INSTITUTIONAL COMMITTEES:

2024	College of Health & Human Sciences Teaching Effectiveness Committee
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2021-2022	College of Human Sciences Promotion & Tenure Committee
2021-2022	NSF ADVANCE URM Council Member
2020- 2023	Executive board member, Women Full Professor's Network
2019-	Chair, Obesity Research Institute (ORI) Advisory Committee
	Chair, ORI Executive Committee
2018-2023	Member, Women Full Professor's Network
2018	Chair, Third Year Review, Promotion & Tenure Committee, Department of Nutritional Sciences, TTU
2018	Voting member, College of Human Sciences Promotion & Tenure Committee
2018-2019	Member, Women's Mentoring group (Mentored 4 graduate students from the Colleges of Human Sciences, Education, and Arts & Sciences)
2017	External Reviewer, Post-tenure Review for 3 faculty, College of Human Sciences (PFP)
2016	External Reviewer, Post-tenure Review, College of Human Sciences (HDFS)
2015-2017	TTU College of Human Sciences Faculty Council
2015	External Reviewer, Post-tenure Review, College of Human Sciences (HDFS)
2016	Chair, Post-tenure Review Committee, Department of Nutritional Sciences, TTU
2013-2019	Chair, Obesity Research Cluster Advisory
	Chair, Executive Committee
2015-2017	Member, Faculty Search Committees, Nutritional Sciences
2012-2013	Chair, TTU Nutritional Sciences Faculty Search Committee
2011-2012	University of Tennessee (UT) College of Veterinary Medicine, Search Committee for Research Dean
2011-2012	Coordinator II Search Committee, Office of Sponsored Research Search Committee; UT Institute of Agriculture
2011	Chair, Enhanced Retention Review Committee for an Animal Science tenure-track (Extension) Faculty
2010-2012	Chair, Human Subjects Committee, Animal Science
2011	University of Tennessee Institute of Agriculture Chancellor's Search Committee
2010	Department Head, UT Animal Science search committee
2010	Promotion and Tenure Committee, UT Institute of Agriculture
2010	Retention review committee for a tenure-track faculty in UT Animal Science
2010-2011	Search Committee, Three coordinator positions for the UTIA Office of Sponsored Research
2009-2010	Faculty Search Committee (Dairy Research and Extension), UT Animal Science

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2010	Member of Program Review Committee for UT Department of Biochemistry, Cell and molecular Biology (BCMB)
2008-2010	Development Committee, UT Animal Science Department
2007-2009	Chair, UT-ORNL Genome Science & Technology (GST) Advising Committee
2007	Cumulative Review Committee, UT College of Education, Health and Human Sciences (Post-tenure review of a faculty member)
2007	Faculty Search Committee, Exercise, Sports and Leisure Studies
2007	Beckman Young Proposals review committee, UT Office of Research
2006-2007	Chair, Department of Nutrition Promotion and Tenure Committee.
2006-2007	Faculty Search Committee, Exercise, Sports and Leisure Studies
2006-2007	Faculty Search Committee, BCMB Department
2005-2007	Member, UT College of Education, Health and Human Sciences, International and Intercultural Council
2005-2007	Member, UT College of Education, Health and Human Sciences, Promotion and Tenure Committee
2004	Search committee for UT Dean of the College of Education, Health and Human Sciences (CEHHS)
2006	Faculty Search Committee (Molecular Nutrition), UT Nutrition Department
2006	Faculty Search Committee, UT BCMB Department
2004	Faculty Search Committee, UT Exercise Science/Epidemiology
2001-2004	University of Tennessee Graduate Council
2001-2004	University of Tennessee Graduate Curriculum Committee
2003	Faculty Search Committee, UT Nutrition Department
2003-2005	Steering Committee, Tennessee Mouse Genome Consortium
2001-2004	Chair, GST (Genome Science and Technology Student Affairs Committee
2001-2009	GST Steering Committee
1999-2004	Nutrition Department Graduate and Human Subjects Committee
2002	Search Committee, Institutional Animal Care and Use Committee (IACUC) Coordinator
2002	CEHHS, Bylaws Committee
2001	GST Retreat Committee
2001	Chair, Tenure-Track Faculty Search Committee (led to hiring two faculty), Nutrition Department.
2000	Functional Genomics Interdisciplinary Committee
1998-2003	Institutional Animal Care and Use Committee (IACUC) Member
1995-1996	ACC (All College Council) Member, UT, Human Ecology

TEACHING (Excluding theses and dissertations):

Texas Tech University

Nutritional Sciences (NS) Graduate Seminar and Obesity Research Seminar

Naima Moustaid-Moussa, Ph.D. DFASN, FTOS, FAHA, FNAI

NS (Graduate) Nutrition and Chronic Diseases (Obesity and Diabetes)
NS (Graduate) Special topics in Molecular Nutrition – Graduate, NS Advanced
Research topics covered include nutrient-gene interactions, bariatric
surgery and adipocyte inflammation, bioactive food components,
genomics and proteomics, model organisms and other related topics)
NS Independent Study – Undergraduate Research Titled topics
NS Grant Writing/Responsible Conduct for Research (Advanced Research
Methods)
NS Genetic Regulation of Metabolism
Honors First year Experience (2017): Food, Nutrients & Dietary Supplements

University of Tennessee

AS/ES 623 (Graduate- Advanced Topics in Obesity): Topics covered included
Adipose Tissue Biology; Dietary Supplements and Bioactive
Components of Food; Stress and Brain; Current Topics in Obesity
BCMB 552/AS 556 (Graduate- Physiology of Hormones, section on metabolism
and endocrinology of obesity and diabetes; Team Teaching)
Cell Biology and Physiology (BCP), graduate and undergraduate guest lectures,
University of Bordeaux 1, France; Guest lectures (2005 and 2007)
Nutrition 310/BCMB 310 (Undergraduate- Biochemistry, Cell and Molecular
biology, Physiological Chemistry): Introductory Biochemistry
Nutrition 416: Undergraduate- Clinical Nutrition II
Nutrition 521: Graduate- Physiological Basis for Diet and Disease (Chronic
diseases)
Nutrition 511: Graduate- Advanced Physiological Chemistry (section on genetic
regulation)
Nutrition 602: Special topic: Graduate- Obesity: nutritional, physiological,
biochemical, molecular, genetic and pharmacological aspects
Nutrition 602: Graduate- Special Topic: Nutrient-Gene Interactions in Health and
Disease
Nutrition 493/548: Graduate/Undergraduate Directed studies, research projects for
undergraduate and Graduate students
Research Project Training for Extension Agents, Univ. TN Extension

Other Academic Mentoring Activities:

Faculty:

Texas Tech University:

Eric Rivas (Kinesiology)- Primary mentor, 2017-2020 for K01 NIH Career Award
Latha Ramalingam (Nutrition): Primary mentor, 2014-); Assistant Professor,
Syracuse University
Yujiao Zu (Nutrition), Primary mentor, 2020-present
Iurii Koboziev (Nutrition), 2016-20
Oak Hee Park (Human Sciences/Nutrition), Primary mentor (2017-)
Kembra Albracht-Schulte, TTU Kinesiology (2021-)

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Klementina Fon Tacer, TTU School of Vet Med (2021-)

Shireen Hafiz, TTU School of Vet Med (2022)

Clarissa Strieder-Barbosa, TTU Dept of Vet Sci. (2021-)

Angela Shaw, TTU Dept. of Animal & Food Science (2023-)

Ali Nejat (TTU Faculty Fellow, Research leadership, 2024-)

Narissra Punyanunt (TTU Faculty Fellow, Research leadership, 2024-)

Other institutions:

2022- External advisor/Mentor, for Research Project Leader **Mi-Jeong Lee** on the NIH COBRE Precision Nutrition Award, University of Hawaii at Manoa

2020 – **April Stull**, Associate Professor, Baylor University

Postdocs and graduate students:

Faculty mentor for the **Graduate and Post-Doc Women Mentoring Program** (2018-2019) mentored doctoral students from Human Sciences, Biological Sciences and Education)

Postdoctoral Researcher (2021 - **Dr. Joao Pedro Torres Guimaraes**), was awarded a one-year FAPESP fellowship to complete his PhD research at TTU, then joined as postdoc

Postdoctoral Researcher (2020-2022, **Dr. Kalhara Menikdiwela**), who was awarded an ASN Predoctoral fellowship in 2019 under my mentorship.

Postdoc and Graduate student (**Kembra Albracht-Schulte**) was awarded a USDA NIFA Predoctoral Fellowship (2017-19); then USDA Postdoc Fellowship (2020-2021, transitioned into USDA research award when postdoc took a tenure track faculty position in Kinesiology, TTU (2021-2024); Role: Mentor/Sponsor

Postdoctoral Researcher (**Dr. Mandana Pahlavani**), who was awarded a USDA NIFA Postdoctoral Fellowship (2018-20); Role: Mentor/Sponsor; currently Assistant Professor at TWU and Adjunct at UTSW.

Undergraduate students:

Texas Tech University

PI/PD for a USDA REEU training grant (Nutrition BEST- Nutrition Bench to Community Engaged Scholars in Texas)- 23 students trained through research and Extension internships, 2021-2024

Honors Theses: Four undergraduate students: **Boontharick Sopontammarak, Emily Miller and Lexie Harlan** (theses published as a per reviewed papers) & **Salvador Galindo**

Mentor for Honors, PI² and other undergraduates and medical students (NS, Biology, Biochemistry, Kinesiology, Human Sciences, TTUHSC SOM)

Mentor, Summer intern from University of Texas Austin, funded in part by TTU Office of Institutional Diversity (2016)

Exchange students (n=4) from the Univ. Paris (MS 1st year): Summer 2013 & 2014

Exchange student from TX, PR, MS, LA (5 undergraduates): Summer Research

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Institute on Wind, Energy and Medicine (National Wind Research Institute, TTU). Two of these students (**Fitia Razafimanjato** and **Devin Dehle** won the 2014 CASH family Medicine and Science awards, respectively)

TTU Undergraduate students mentored who won national awards (see complete list in next sections):

Samantha Gonzales: FASEB MARC NIH Minority travel award; was a finalist at EB conference; and won first place at the Bioactive Research Interest Section (RIS) Emerging Leaders in Nutrition poster competition, 2017; **Sara Alhaj:** won second place at ASN Bioactive RIS, Emerging

Leaders in Nutrition poster competition, 2017; **Boontharick**

Sopontammarak: National Undergraduate Conference travel award 2018, completed an NS Honors Thesis, spring 2018

University of Tennessee and Harvard:

Nutrition and BCMB Undergraduate student advising/research

UT-ORNL summer research internship mentor

4H students mentoring sessions

Math Science Regional Center High School student mentoring.

Ronald McNair Post Bacc Achievement Summer Program for Minority

Genome Science and Technology student rotations

Summer Intern, University of LaSalle-Beauvais (Agriculture), France

High School senior projects

Back to School Program for high school inner city students (Boston)

POSTDOCS, VISITING SCHOLARS AND RESEARCH FACULTY MENTORED:

1999-2000	Yanxin Wang, Ph.D. Rutgers, Previously Research Assistant Prof, Rutgers. Currently, Statistical Programmer, Novartis
2001-2003	Young-Ran Heo, Ph.D. Chonnam National University, Korea, visiting Postdoc (funded by Korea, KOSEF); current faculty at Chonnam Natl. Univ.
2001-2003	Sumithra Urs, Ph.D. Mysore Univ. India, currently research scientist, Translational Oncology, University of Michigan
Spring 2006	Mohammad Abidi, M.D. Tunisia, Visiting Scholar. Physician, Tunisia
2005- 2007	Morvarid Soltani-Bejnood, Ph.D., GST, The University of Tennessee (Received in 2007 a poster presentation award from the Nutrient-Gene Interactions Research Interest Section of the American Society for Nutrition). Currently lecturer, University of Tennessee and Pellissippi Community College
2009-2013	Nalin Siriwardhana, Ph.D. Cheju National University, South Korea. Currently R&D Scientist (Vitamin Mineral Supplements) at Reckitt Benckiser
2012-2013	Shaikh M. Rahman, Ph.D. Research Assistant Professor; Ph.D. Japan; currently Assistant Professor at TTU (NS)
2013-2014	Fariba Assadi-Porter, Ph.D. Research Associate Professor
2014-2020	Latha Ramalingam, Ph.D. postdoc then Research Assistant Professor in my lab at TTU; currently Assistant Professor, Syracuse University

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2016-2020	Iurii (Yuri) Koboziev, Ph.D. Research Assistant Professor (NS, TTU)
2017-2018	Theresa Ramalho, PhD Candidate, Visiting Scholar, Univ Sao Paulo, Brazil
2017-2020	Mandana Pahlavani, Ph.D. then USDA NIFA Postdoc Fellow (2018-2020)
2018-2021	Kembra Albracht-Schulte, PhD, Postdoc Fellow
2020-2022	Kalhara Menikdiwela, PhD, Postdoc Fellow
2021-2023	Joao Pedro Torres Guimaraes, Postdoc Fellow
2020	Flavia Sardela, MS. Visiting Scholar, University of Sao Paulo, Brazil
2023-2024	Luiz Adriano Damasceno de Queiroz, University of Sao Paulo, Brazil

RECENT UNDERGRADUATES and ALL GRADUATE STUDENTS:

Undergraduate students (Research, TTU):

1. Adil Miah – 2024-2025
2. Neha Vivek (Clark Scholar/high school senior)- Summer 2024
3. Tolulope Adegbile, Biology, 2024
4. Andrea Bedell, Nutrition, 2024-2025; USDA REEU Scholar
5. Valerie Atanode, Nutrition, 2023-2025
6. Khrystal Addae, Nutrition, 2023-2025
7. Tatum Walker, Nutrition, USDA REEU Scholar, 2023-2025
8. Deitra Jackson, Biology, NIH Plains Bridges to the Baccalaureate training grant, 2023
9. Maribel Gomez, Kinesiology, NIH Plains Bridges to the Baccalaureate training grant, 2023-2024
10. Abid Miah, Honors, Biology, 2023- 2025
11. Bryan Estrada, Cell Mol Biol, TrUE, USDA REEU Scholar, and LSAMP Scholar, 2022-2024
12. Jorja Washington, Nutrition & Dietetics, USDA REEU Scholar 2022-2023
13. Ana Rohde, Nutrition, USDA REEU Scholar, 2022-2024
14. Haley Walker, Nutrition, USDA REEU Scholar, 2022-2024
15. Hoang Hu, Biology, 2022-2023
16. Ariana Aranda, Biology, 2022-2023
17. Yasmin Amin, Nutrition, 2022-2023
18. Melody Paccione, Nutrition, 2021-2023
19. Tasnim Gadalla, Honors, TrUE Scholar, 2021-2024
20. Mark Mikhael, Honors, 2021-2024
21. Olivia Iskander, Honors, 2021-2024
22. Kirk Balderas- NIH Plains Bridges & TrUE Scholar: 2020-2022
23. Jose Andrade, Honors: 2020- 2022
24. Jill Doering, Nutrition, 2021-2022
25. Benjamin Madura, 2021-2022 (Now Ph.D. student in Nutrition)
26. Rama Supraja Balaga, 2021-2022
27. Andrew Tijerina, Honors, 2021-2022
28. Jaylynn Rasco, Honors, 2021-2022
29. Caitlin Tayag, Honors, 2021-2022

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30. Sarah Anjum, Honors, 2020-2021
31. Ethan Thakran, Honors: 2020-2021
32. Anna Deshotels Honors Pi2: 2020-2021
33. Salvador Galindo Honors: 2020-2022
Honors Thesis defended May 2022
34. Mckenna Davis: 2020-2021
35. Caroline Shipley: 2020-2022
36. Hiram Gandara, 2019-2020
37. Aliyah Efotte, Honors Undergraduate Research Scholar, 2019-2021
38. Geetika Katasani, NS Pi2, 2019-2021
39. Caroline Biltz, Pi2, 2019-2020
40. Hannah Petry, NS Pi2 student, 2019- 2022
41. *Hanna Davis, NS Honors Undergraduate Research Scholar, 2019-2021
42. Angela Chavira, NS Pi2, 2019-2021
43. Angela Bacani, Honors Undergraduate Research Scholar, 2019
44. *Paige Johnson, NS, 2019-2020
45. *Brennan Mabry, Honors Undergraduate Research Scholar - Human Sciences
2018-2021
46. *Savana Wilson, NS 2018-2020
47. *Lexie Harlan, Honors Biology Undergraduate Research Scholar; PI² Program
2018-2020
Honors Thesis defended May 2019
48. *Emily K Miller, (Honors Biology Undergraduate Research Scholar); PI² student,
2017-2020
Honors Thesis defended, May 2019
49. *Arellys Hernandez, NS, 2018-2019
50. Alejandra Mera, NS 2018-2019
51. Robin Okpara, 2017-2019
52. *Alexandra S Miranda (Honors Biology), 2017-2019
53. Juliana Tovar, NS 2017-2019
54. *Abigail Jackson (Honors, NS Undergrad Research Scholar), 2017-2018
55. *Stephani Clevenger, NS (Terry Scholar), 2017-2019
56. Toni Oladute, NS, 2018
57. *Tochi Eboh, NS 2017-2018 (BS, summer 2018); awarded second place oral presentation at the TTU Undergraduate Research Conference, March 2018
58. *Boontharick Sopontammarak (Undergrad Research Scholar & Honors Thesis)
2016-2018 (BS awarded in 2018 with Highest Honors)
Honors Thesis defended May 2018
59. *Samantha Gonzales (NS, Honors Undergrad Research Scholar & Terry Scholar)
2016-2017. Won FASEB MARC/NIH sponsored travel award for minorities; was finalist at EB conference. Also won first place Bioactive RIS poster award at the Emerging Leaders in Nutrition poster competition, 2017
60. *Hussain Abidi, Honors Biology Undergrad Research Scholar, 2016-2017
61. Alfred Kankam Honors NS Undergrad Research Scholar, 2016-2017

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62. *London Allen (Honors Biochemistry Undergrad Research Scholar and Terry Scholar), 2015-2016
63. Elizabeth Dameron, NS/Human Sciences, 2015-2016
64. *Sara Alhaj; Biology, 2014-2017. Won second place Poster award at the Emerging Leaders in Nutrition poster competition, 2016
65. Elise Coleman, NS (Honors Undergrad Research Scholar), 2015-2016
66. Tram Dinh, NS (Honors Undergrad Research Scholar), 2015-2016
67. *Fitia Razafimanjato, NS (2013-2015, BS); Outstanding Undergraduate Nutrition Science Senior. Won Cash Family Award in Medicine, during Engineering and Medicine Summer Institute, 2015.
68. Devin Dehle, Won Cash Family Award in Science, during Engineering and Medicine Summer Institute, 2015.
69. Mar'Lesha Hollins, from Southern University A&M College, Summer intern, Engineering and Medicine Summer Institute 2014
70. Zenaida Adrovet, University of the Sacred Heart in San Juan; Summer Intern, 2014 and 2015.
71. Yao Liu, Medical student, Texas Tech health Sciences Center, Summer Intern, 2015
72. *Kenneth Pham (Clarke Scholar), undergraduate student at Columbia University, 2015
73. Chinasa Anokwuru, Minority visiting student from University of Texas Austin, 2015

CURRENT GRADUATE STUDENTS: (M.S. and Ph.D. students)

Miquela Smith, PhD student

Teresa Wang, PhD candidate

Ashti Morovati, PhD candidate, degree anticipated in 2025

Benjamin Madura, PhD candidate, degree anticipated in 2025

Andrea Sosa, PhD Candidate, degree anticipated in 2025

PAST GRADUATE STUDENTS:

Brynn Jones (Voy), Ph.D. 1996; Physiology. Director of UT-ORNL Bredesen Center for Education Programs & Professor in Animal Science, UT; was Interim Chair of the Nutrition department at the University of Tennessee, previously Staff Scientist at ORNL. Received several local, regional and national awards including from the Univ. of TN (Science Alliance Award, 1996, travel award 1995), Southeastern Lipid Conference (Founder's Award, 1995), American Physiological Society Student Award (1996).

Kate Claycombe, Ph.D. 1998; Nutrition. Research leader & Nutrition Scientist at USDA-ARS, Grand Forks Human Nutrition Research Center, North Dakota (Retired 2023). Received several local, regional and national awards including from the Southeastern Lipid Conference (Founder's Award, 1997), American Society for Nutritional Sciences Student Research Award (1997 and 1998) and a postdoctoral fellowship from the ASNS in 1997. Held Scientist III at the USDA Human Nutrition Research Center, Tufts University at Boston then Assistant Professor Position at Michigan State University before moving to USDA ARS.

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Melissa Standridge, MS. 2000; Nutrition. Currently employed as QC and project development staff at Elli Lilly and Company.

Received ASNS student research Award, 1998 and a predoctoral fellowship from ASNS in 1999

Suyeon Kim, MS. 2000 in Nutrition. Currently a Research Associate at the University of Pittsburg.

Melissa Derfus, MS. 2002; Nutrition. Dental School, Univ. FL. Practicing dentist

Patrick Wortman, MS. 2004; Nutrition. R.D.N. Nutritionist at the Center for Integrative Medicine, Chattanooga, TN

Suyeon Kim, Ph.D. 2004 in Nutrition. Currently a Research Associate at the University of Pittsburg. Received an ASN Student Research Award in Experimental Biology, April 2001.

Sarah Fletcher, MS. 2010; Genome Science and Technology (Elected Student Representative for 2007-2008, Nutrient-Gene Research interest Section of the American Society for Nutrition). Physician Assistant, Colorado

Suzanne Booker, MS, 2010 Animal Science. Veterinary Medicine DVM, the University of Melbourne, Australia. Veterinary Practice, NY

Nishan Kalupahana, Ph.D. 2011 Nutritional Sciences. Current position: Professor at UAE University. Formerly, Senior Professor of Physiology, and Chair, Faculty of Medicine at the University of Peradeniya, Sri Lanka. Named in 2020 a SCOPE National Fellow in Obesity Medicine from WorldObesity International Obesity Association). He Completed a postdoc at Saint Jude's Children's Hospital in Memphis in Immunology. Won several university, regional and national awards (including a predoctoral fellowship from the American Heart Association, the American Society for Nutrition (ASN) Graduate Research Award and other ASN-RIS awards, The University of Tennessee Chancellor's award for professional promise, Gamma Sigma Delta and Auburn Boschell Diabetes Symposium awards) and recently a New Faculty Award from the International Association for the Study of Obesity (WorldObesity) and was named SCOPE National Fellow, World Obesity Federation.

Wenting Xin, M.S. 2012 Animal Science. Won third place for an oral presentation at the Boshell Diabetes Symposium at Auburn, March 2012

Arwa Aljawadi, M.S. 2013 Nutritional Sciences. Fulbright scholar. Won in 2014 a poster award from the Nutrient-Gene Interactions research interest section of ASN

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and is early career representative at the Obesity and Cancer Section of The Obesity Society. Postdoc, Icahn Mount Sinai School of Medicine. Currently Senior Field Scientist at ThermoFisher.

Monique LeMieux, Ph.D. 2015, TTU Nutritional Sciences (M.S. in Genome Science & Technology, University of Tennessee, 2012). Currently tenured Associate Professor, Texas Women's University. Served as 2012-2013 graduate student representative for The Obesity Society. Won several travel awards including FASEB-MARC award to Experimental Biology (EB13) and travel awards to the Institute for Teaching and Mentoring, sponsored by the Compact for Faculty Diversity and the NIH BRIDGES program. She also won in 2013-14 the Early Career Award from The Obesity Society and the Grand Prize minority award from The American Society for Nutrition. Also awarded the 2015 Horn Professors award for outstanding graduate students.

Shasika Jayaratne, MS, 2016 TTU Biotechnology, Texas Tech University. Nutritional Sciences. Also completed Ph.D. at TTU and currently Postdoc, Univ of VA.

Arwa Al-Jawadi, Ph.D. 2017, Nutritional Sciences, completed one year postdoc at Rutgers Medical School, NJ; & a recent postdoc at Mount Sinai School of Medicine, NY; Diabetes and Metabolism Division. Currently field scientist at ThermoFisher. Was early Career Representative for the Obesity-Cancer section of The Obesity Society.

Mandana Pahlavani, Ph.D. 2017 Nutritional Sciences; currently Assistant professor at TWU and Adjunct Faculty at UT Southwestern in Cardiology, where she also completed a postdoc in 2020-2022. Won First place Outstanding Dissertation award from TTU, in the Biological Sciences category. USDA Postdoc NIFA Fellow (2018-20). Won ASBMB 2016 Travel award to EB. Was one of 4 finalist for the DSM Science and Technology Award at the International Society for the Study of Fatty Acids and Lipid, May 2018, Las Vegas, NV

Nadeeja Wijayatunga, Ph.D. 2017, currently, Assistant Professor at the University of Mississippi. Won ASBMB travel award to EB, 2016. Poster award winner, second place, Obesity Research Cluster.

London Allen, M.S. 2018 (Thesis). Dietician. Was research associate in surgery at TTUHSC; then Nutrition director, South Plains Food Bank, Lubbock, TX

Theresa Ramalho, PhD, 2018 (Univ. Sao Paulo), CAPES visiting scholar at TTU (2017-2018). Won research Prize from the Society of Leukocyte Biology (Ceremony at the XLIII Congress of the Brazilian Society of Immunology, 10/04/2018). Currently postdoc at the University of Mass, Worcester.

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Kembra Albracht, Ph.D. 2018; USDA NIFA Predoctoral then Postdoctoral Fellow. Received several teaching and research awards, including DeVitt Jones Graduate Teaching Award and first place oral presentation award at the Obesity Research institute student/postdoc competition and annual meeting, in May 2019. First Place Dissertation winner in the Life & Biological Sciences at TTU. Currently Assistant Professor, TTU Kinesiology.

Amal Bouyanfif, Ph.D. 2019, Major PSS (co-chair), and minor in Nutrition. Currently Research Administrator at Texas Tech University

Rasha Fahmida, Ph.D. 2019; Nutritional Sciences. Co-winner of the Komen Foundation research award sponsored by The Obesity Society. Currently Postdoctoral Fellow at UT Southwestern

Kalhara Menikdewella, Ph.D. 2020, Nutritional Sciences. Gerber Pre-doctoral Fellowship awarded in 2019 by the American Society for Nutrition. First Place dissertation winner in the Life & Biological Sciences at TTU. Recently postdoc at TTU (2020-2022) and currently Postdoc Research Associate at Rutgers University.

Shasika Jayarathne, Ph.D. 2020, Nutritional Sciences, completed Research Associate position, NemaLife, Inc. Innovation Hub, Lubbock, TX. Currently Postdoc. at the University of VA.

Joao Pedro Torres Guimaraes, PhD, 2021 (Univ. Sao Paulo, Brazil), FAPESP Fellow and Visiting Scholar at TTU (2019-20). Currently Postdoc Research Associate, TTUHSC

Tariful Islam, PhD, 2022, TTU. Currently postdoc at Emory University. Won ASN awards from bioactive RIS at ASN's Nutrition 2019 conference.

Fitia Razafimanjato, DDS; PhD student in 2022-2023, but degree not completed.

Mahsa Yavari, Ph.D. 2022, TTU, currently a Postdoc Fellow in Molecular metabolism at Harvard School of Public Health

Shadi Nejat, D.C; Ph.D., 2024, TTU – Currently Assistant Professor of Practice, TTU Graduate School

Abdallah Sadique, M.S. 2024, Nutritional Sciences, TTU

Maryam Seifishahpar, M.S., Ph.D., 2025, Nutritional Sciences, TTU. Distinguished Graduate Student Assistant. Was a Finalist in 2024 for the ASN Graduate Research Competitions at Nutrition. Currently Postdoc at TTU

Luiz Adriano Damasceno de Queiroz, PhD candidate, Univ. Sao Paulo, 2025 Completed one year of his Ph.D. research in Moustaid-Moussa's lab at TTU

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Membership in other graduate student committees

Numerous MS/PhD committees for various graduate programs as chair/ member:

Texas Tech University

Nutritional Sciences (chair and committee member)
Animal and Food Science (committee member)
Plant and Soil Science (Co-chair and committee member)
Biological Sciences (committee member)
Kinesiology (Committee member)
Biotechnology (chair)

University of Tennessee

Nutritional Sciences (chair, committee member)
Animal Science (chair, committee member)
Biochemistry Cell and Molecular Biology (committee member)
Genome Science and Technology (chair, committee member)
French (committee member)
Comparative and Experimental Medicine (committee member)
Exercise Science (committee member)
Chemistry (committee member)

INVITED PRESENTATIONS:

- 1993 **NIH** (Host: Dr. Samuel Cushman, Director of the Diabetes unit):
"Regulation of the fatty acid synthase gene expression in adipocytes"
- 1994 **UT Medical Center**: Host Dr. Roger Carroll; Medical Biology seminar:
"Regulation of the fatty acid synthase gene expression"
- 1995 **FASEB Summer Conferences**: Invited speaker, by Dr. Jim O. Hill, organizer,
Regulation of the human fatty acid synthase gene
- 1995 **FASEB Summer Conferences**. Agouti regulation of gene expression in
adipocytes
- 1996 **Biochemistry Cell & Molecular Biology Department**, UTK. Regulation and
physiological function of the Renin Angiotensin System in adipocytes
- 1997 **Animal Science Department, UTK**. The endocrine function of adipose tissue:
role in obesity and adipocyte metabolism
- 1997 **American Dietetic Association**, Local Chapter, Invited speaker. "The Mystery
of fat cells"
- 1998 **Exercise Science, UTK**. Role of adipose tissue in obesity
- 1999 **UT Medical Center, Medical Biology**. Paracrine function of adipose tissue:
Paracrine function of adipose tissue: Role of agouti and angiotensin II in obesity
- 1999 Department of Biochemistry, **East TN State Univ**. Regulation of the fatty acid
synthase gene expression by agouti and angiotensin II
- 1999 Department of Nutrition **UNC, Greensboro**
Secretory function of adipose tissue: Studies on agouti and angiotensin II
- 1999 **IBC conference on obesity and diabetes**, Washington DC. Mechanism of
agouti-induced obesity
- 1999 **Steenbok Symposium** on the adipocyte, Univ. of WI, Madison. Paracrine

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function of the agouti gene product: Implications in the yellow mouse obesity syndrome

- 2000 **ASNS** adipocyte symposium, EB2000, San Diego, CA
- 2000 **Moroccan Association for Biologists in USA**; Sunny Brook, NY Guest Speaker: Paracrine function of adipose tissue: Agouti, leptin and angiotensins
- 2001 Nutrition Department, **UNC-Chapel Hill**. Endocrine function of adipose tissue, obesity, hypertension and diabetes
- 2001 Department of Nutritional Sciences, **Rutgers University**. Endocrine function of adipose tissue, obesity, hypertension and diabetes
- 2001 **ILSI/ Nutritional Biochemistry meeting in Fez**, Morocco. Diet, obesity and metabolic disorders: Public health implications
- 2001 **FASEB summer conference** on obesity, Snowmass, Co. Paracrine effects of Agouti on adipocyte gene expression
- 2001 **NAASO annual meeting**, Quebec, Canada. The adipocyte renin angiotensin system
- 2002 Annual meeting of the **Korean Nutrition Society**, Korea: Genomics and proteomics in nutrition
- 2002 Genomics & Biotechnology Symposium, **Ewha Womens University**, Seoul, Korea. Nutritional genomics and obesity
- 2002 Obesity Symposium, **Seoul National University**, Seoul, Korea
- 2002 Nutrition Department, **Chonbuk National University**, Korea. Adipocyte biology
- 2002 **Chunnam National University**, Korea. Obesity and the endocrine function of adipose tissue
- 2003 Berdanier Lecture Series, Department of Foods and Nutrition, **University of GA at Athens**. Endocrine function of adipose tissue and metabolic disorders: Angiotensins and agouti
- 2003 Session chair and speaker: **FASEB summer conference**, Snowmass, Colorado. Mechanisms linking adipocyte angiotensinogen to obesity and diabetes
- 2005 **Human Nutrition Group (INRA/ISTAB), Pessac, FRANCE**. New endocrine functions for adipocytes
- 2005 **CANDIA Experts** Panel, Paris, France. Debate on dairy and weight Management. Review of scientific evidence about calcium and obesity
- 2006 **Virginia Tech**, Nutrition Seminar: Role of the adipocyte renin angiotensin system in obesity and hypertension
- 2006 **Texas A & M**, Seminar, Nutrition Program, College Station, TX
- 2006 Graduate Center for Nutritional Sciences, **University of Kentucky at Lexington**. Role of the adipocyte renin angiotensin system in obesity and hypertension
- 2006 **The Ohio State University**, Nutrition Seminar: Role of the adipocyte renin angiotensin system in obesity and hypertension
- 2006 Invited Speaker, **Nutrigenomics symposium, Hong Kong Polytechnic University, China**. Genomics of adipose tissue development and endocrine function

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- 2007 Department of Molecular Physiology and Biophysics, **Vanderbilt University, Nashville** Seminar: The Renin-Angiotensin System, Adipose Tissue, Obesity and Diabetes: What are the Links?
- 2007 Department of Medicine, Endocrinology, Diabetes and Nutrition and CNRU; **University of Maryland**: The Renin- Angiotensin System, Adipose Tissue, Obesity and Diabetes: How are they linked?
- 2008 Clinical Nutrition Research Center, **University of Alabama-Birmingham**. Seminar: The Renin- Angiotensin System, Adipose Tissue, Obesity and Diabetes: How are they linked?
- 2010 **Auburn University**, Dietary Fatty acids and regulation of adipocyte angiotensinogen and other adipokines. Boschell Diabetes Research Day.
- 2011 Co-Chair and Invited Speaker “Obesity session”, presentation on angiotensins, adipocytes and metabolic disorders. **International Endobolism Congress**, Xiamen, China
- 2011 Invited visit and seminar, **Harbin Medical University**, College of Public Health, Nutrition and Foods Department, Harbin, China. Invited visit seminar: Omega 3 fatty acids, adipose tissue inflammation and insulin resistance
- 2011 Invited speaker, Southeastern Regional Lipid Research Conference “Dietary regulation of adipocyte inflammation& insulin resistance” Callaway Gardens, GA
- 2011 **Chinese Academy of Agricultural; Quality Standards and Testing Institute of Technology** (Ministry of Agriculture-Agricultural Research Center for Quality Standards). Invited visit and seminar: Omega 3 fatty acids, adipose tissue inflammation and insulin resistance
- 2012 **USDA Multistate Project**, Polyunsaturated Fatty Acids in Health and Disease, Minnesota. Presentation on “Omega 3 regulation of adipose tissue inflammation in obesity”, Minneapolis, MN
- 2013 **University of Nebraska, Lincoln**. Invited Seminar “Dietary Regulation of adipose tissue inflammation in obesity and insulin resistance”
- 2013 **Texas A & M University**, College Station, Invited Seminar “Dietary Regulation of adipose tissue inflammation in obesity and insulin resistance”
- 2013 Experimental Biology Symposium, Organizer, Chair and speaker. “Metabolic profiling of omega 3 fatty acids effects on diet-induced obesity”
- 2013 **American Association for Family & Consumer Sciences**, Houston, TX “Dietary Regulation of adipose tissue inflammation in obesity and insulin resistance”
- 2013 **University of Houston**, Department of Biology & Biochemistry, Center for Nuclear Receptors, Houston, TX “Anti-inflammatory effects of omega 3 fatty acids in obesity and diabetes”
- 2013 **University of Peradeniya**, Sri Lanka Research Ethics Seminar
- 2013 **Physiological Society of Sri Lanka**, delivered the 2013 K.N. Seneveratne Oration “Novel Functions of the Adipocyte Renin Angiotensin System in Obesity-Associated Inflammation and Insulin Resistance
- 2014 **Univ. Connecticut, Nutritional Sciences**, The Adipocyte Renin Angiotensin System: Novel Roles in Obesity & Insulin Resistance

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- 2015 **Texas Women's University**, Food and Nutrition Department. The Adipocyte Renin Angiotensin System: Novel Roles in Obesity & Insulin Resistance
- 2015 **University of Peradeniya School of Medicine**. From White Fat to Brown Fat: Changing Shades of Adipose Tissue with Obesity
- 2015 **Texas Tech Health Sciences Center- Garrison institute of Aging**. Anti-inflammatory effects of omega 3 fatty acids in obesity and insulin resistance
- 2016 **Columbia University Institute of Human Nutrition**, Speaker, ABOM/Obesity Course: Obesity, inflammation and energy balance
- 2016 **Korean Society for Preventive Nutrition and Food Science**, Jeju Island, Korea
- 2017 **University of Sao Paulo, Brazil**. Angiotensins, Obesity and Inflammation
- 2017 **UDC, Brazil**. Mini workshop- Anti-inflammatory effects of omega 3 fatty acids in obesity
- 2017 **UDC, Brazil**. Invited lecture. Novel roles for angiotensins in obesity-related inflammation
- 2017 **APS/AFMR** Invited lecture at EB symposium, sponsored by APS/American Federation for Medical Research (AFMR) "New Insights into Insulin Resistance- Molecular Mechanisms and Therapeutic Implications"
- 2017 **Texas Tech Health Sciences Center at Permian Basin Dean's Obesity Symposium**. (Keynote speaker; September 30) Protective effects of fish oil in obesity and metabolic diseases
- 2018 **Texas Tech Health Sciences Center at El Paso, Invited Seminar**: Anti-inflammatory effects of omega 3 fatty acids in obesity and insulin resistance
- 2018 **University of Houston**, Invited Seminar: Role of adipocyte angiotensins in metabolic diseases
- 2018 **Qatar Computing Research Institute (QCRI) and Anti-Doping Laboratory Qatar (ADLQ)**: Novel Roles for the Renin Angiotensin System in Obesity and Insulin Resistance
- 2018 **Rutgers University**; Invited speaker, Institute for Food Nutrition and Health
- 2018 **Zhejiang Chinese Medical University**; invited visit and seminar
- 2019 **Korean Society for Applied Biological Sciences**, invited lecture at annual meeting in Busan, June 2019-
- 2019 **Seoul national University**, School of Veterinary Medicine, Invited Seminar, Seoul, June 2019- Anti-inflammatory mechanisms of n-3 PUFAs in metabolic diseases
- 2019 Invited by **Korean Academy for Science & Technology** to speak at the 20th Frontier Scientists Workshop in November 2019 in Hawaii. Mechanisms of bioactive compounds in obesity and aging
- 2020 **TTUHSC, School of Biomedical Sciences Seminar**: Mechanisms Linking the Adipocyte Renin Angiotensin System to Metabolic Inflammatory Diseases
- 2021 **TTU, School of Veterinary Medicine**: Mechanisms Linking the Adipocyte Renin Angiotensin System to Metabolic Inflammatory Diseases

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- 2021 **Texas A & M University**, College Station, Invited Graduate Symposium Seminar “The Renin Angiotensin System: At the Crossroad of Adipose Tissue Inflammation & Metabolic Diseases”
- 2022 **Texas Tech University**- Speaker/Panel member: TTU ADVANCE Pathway to Professorship Series workshop #3), Building Networks and National & International Reputations
- 2022 **American Society for Nutrition (ASN)** - Speaker and Panel member, Online Career Development Workshop
- 2022 **ASN** - Speaker and Panel member, Early Career Nutrition Leadership Academy
- 2022 **University of Missouri**- Nutrition, exercise and physiology seminar series. Adipose tissue @ the crossroads of obesity & chronic metabolic diseases: Role of endocrine and dietary factors”
- 2023 **TTUHSC- Medical Education Seminar** - An Overview of Obesity & Associated Diseases, and Why Doctors Need to Know About It
- 2023 **Texas Women’s University**, Denton, TX, Invited Graduate Seminar Speaker “Anti-inflammatory mechanisms of bioactive compounds in metabolic diseases and aging”
- 2023 **University of Sao Paulo**, Brazil. “Anti-inflammatory mechanisms of bioactive compounds in metabolic diseases, aging and Alzheimer’s disease”
- 2023 **University of Illinois Chicago School of Medicine - Endocrinology** “Anti-inflammatory mechanisms of bioactive compounds in metabolic diseases, aging and Alzheimer’s disease”
- 2023 **Federation of the African Societies for Nutrition**, Dakar Senegal: Dietary bioactive compounds in insulin resistance, and obesity
- 2023 **Aga Khan University (AKU)**; Section of Non-Communicable Diseases & Mental Health; Department of Community Health Sciences (CHS). Virtual Short Course in Contemporary Issues in Nutrition. Non-nutrient dietary bioactive compounds in chronic metabolic diseases & aging
- 2024 **University of Arkansas Medical Sciences**. Nutrition and Dietetics Seminar Series (virtual presentation). Fish oil as a potential therapy for metabolic diseases and Alzheimer’s disease.
- 2024 **Gordon Research Conference on Angiotensin, Italy**. Invited presentation. Beyond blood pressure regulation. Role of RAAS in obesity and cancer.
- 2024 **Nutrigenomics & Nutrigenetics workshop**, Univ. North Carolina Chapel-Hill Nutrition Institute, Keynote Speaker, Kannapolis, May 2024
- 2024 **International Colloquium on Diabetes & Nutrition “Diabetes Morocco 2024” Conference**; Honorary guest and speaker, Anti-inflammatory mechanisms of bioactive compounds in metabolic diseases, aging & Alzheimer’s disease
- 2024 **FASEB Science Research Conference** on Nutrient Sensing. Southborough, MA, Anti-inflammatory Mechanisms of Fish oil in Metabolic and Alzheimer’s Diseases.

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- 2024 **TTUHSC Graduate School for Biomedical Sciences, Lubbock.** Invited presentation. The Adipocyte Renin Angiotensin System: From Metabolic Diseases to Breast Cancer.
- 2025 **Georgia State University, Nutrition Lecture Series (Feb 2025)**

PATENTS & PUBLICATIONS:

Dr. Moustaid-Moussa has an **h-index of 60**, an i10-index of 155, and 27,953 citations; of these 11,638 citations since 2020 (Google Scholar, accessed January 11, 2025).

Published (Issued) US Patents:

1. N Labbe, BH Ownley, KD Gwinn, N Moustaid-Moussa, DH D'souza. Antimicrobial and antiinflammatory activity of switchgrass extractives. *US Patent 9,282,747*; 2016- Licensed to Prisma/TennERA
2. WO Wilkison, MB Zemel, N Moustaid-Moussa; Modulation of the sulfonylurea receptor & calcium in adipocytes for treatment of obesity/diabetes. *US Patent 6,569,633*; 2003, licensed to Artec Science, Inc.
3. WO Wilkison, MB Zemel, N Moustaid-Moussa. Modulation of the sulfonylurea receptor & calcium in adipocytes for treatment of obesity/diabetes. *US Patent 6,492,130*; 2002, licensed to Artec Science, Inc.
4. WO Wilkison, MB Zemel, N Moustaid-Moussa. Screening for SUR1 antagonists using adipocytes *US Patent 6,242,200B1*; 2001, licensed to Zenbio, Inc.

Publications on gender equity in academia:

1. Malisch, J.L., Harris, B.N., Sherrer, S.M., Lewis, K.A., Shepherd, S.L., McCarthy, P.C., Spott, J.L., Karam, E.P., Moustaid-Moussa, N., McCrory Calarco, J. Ramalingam, L., Talley, A.E., Cañas-Carrell, J.E., Ardon-Dryer, K., Weiser, D.A., Bernal, X.E., Deitloff, J. Opinion: In the wake of COVID-19, academia needs new solutions to ensure gender equity. *Proc. Natl. Acad. Sci. U S A.* 117(27):15378-15381, 2020.
2. Malisch, J.L., Harris, B.N., Sherrer, S.M., Lewis, K.A., Shepherd, S.L., McCarthy, P.C., Spott, J.L., Karam, E.P., Moustaid-Moussa, N., McCrory Calarco, J. Ramalingam, L., Talley, A.E., Cañas-Carrell, J.E., Ardon-Dryer, K., Weiser, D.A., Bernal, X.E., Deitloff, J. Response to the letter to the Editor: Reply to Arora et al.: Concerns and considerations about using the CV as an equity tool. *Proc. Natl. Acad. Sci. U S A.* Sep 29, 117(39): 24033–24034, 2020.

Research publications:

1. Hainque, B., Moustaid, N., Quignard-Boulangé, A., Ardoin, B. and Lavau, M. Glucocorticoid binding during the differentiation of 3T3-F442A adipocytes. A possible regulatory effect of insulin. *Biochim. Biophys. Acta.* 931: 347-353, 1987
2. Agarwal, M.K., Hainque, B., Moustaid, N. and Lazar, G. Glucocorticoid antagonists. *Febs. Lett.* 217: 221-226, 1987

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3. Hainque, B., Petit, G., Moustaid, N., Quignard-Boulangé, A., Troupel, S. and Galli, A. Effets de l'insuline, de la dexaméthasone et de la méthyl-isobutylxanthine sur la différenciation des fibroblastes 3T3-F442A en adipocytes : mise en évidence du rôle des polyamines. *Act. Pharm. Biol. Clin.* 4: 365-367, 1987 [French]
4. Moustaid, N., Hainque, B. and Quignard-Boulangé, A. Dexamethasone regulation of terminal differentiation in 3T3-F442A preadipocyte cell line. *Cytotechnology.* 4: 2285-2293, 1988
5. Moustaid, N., Lasnier, F., Hainque, B., Quignard-Boulangé, A. and Pairault, J. Analysis of gene expression during differentiation of 3T3-F442A cells: insulin and dexamethasone control. *J. Cell. Biochem.* 42: 243-254, 1990
6. Moustaid, N., Hainque, B., Quignard-Boulangé, A. and Agarwal, M.K. Analysis of glucocorticoid receptor during differentiation of 3T3-F442A preadipocyte cell line in culture. *Biochem. Med. Metab. Biol.* 43: 93-100, 1990 (Current journal name: *Molecular Genetics and Metabolism*)
7. Hainque, B., Guerre Millo, M., Hainault, I., Moustaid, N., Wardzala, L. and Lavau, M. Long term regulation of glucose transporters by insulin in mature 3T3-F442A cells. *J. Biol. Chem.* 265: 7982-7986, 1990
8. Moustaid, N., Sul, H.S. Regulation of expression of the fatty acid synthase gene in 3T3-L1 cells by differentiation and triiodothyronine. *J. Biol. Chem.* 266: 18550-18554, 1991
9. Shin, D.H., Paulauskis, J.D., Moustaid, N. and Sul, H.S. Structure and transcriptional regulation of murine p90 with sequence homology to E. coli glycerol-3-phosphate acyltransferase. *J. Biol. Chem.* 266: 23834-23839, 1991
10. Sul, H.S., Moustaid, N., Sakamoto, K., Gekakis, N., Smas, C. and Jerkins, A. Nutritional and hormonal regulation of genes encoding enzymes involved in fat synthesis. In: *Nutrition and gene expression*, eds. Hargrove JL and Berdanier C. CRC Press, 1993 [Book chapter]
11. Moustaid, N., Sakamoto, K., Clarke, S., Beyer, R. S. and Sul, H.S. Regulation of fatty acid synthase gene transcription: Sequences that confer positive insulin effect and differentiation-dependent expression in 3T3-L1 preadipocytes are present in the 332 bp promoter. *Biochem. J.* 292, 767-772, 1993
12. Sul, H.S., Smas, C.M. and Moustaid, N. Positive and negative regulators of adipocyte differentiation. In: *J. Nutr. Biochem.* 4: 554-562, 1993
13. Moustaid, N., Beyer, R.S. and Sul, H.S. Identification of an insulin response element in the fatty acid synthase promoter. *J. Biol. Chem.* 269: 5629-5634, 1994
14. Misra, S., Sakamoto, K., Moustaid, N. and Sul, H.S. Control of fatty acid synthase promoter activity by insulin-like growth factor-1 in 3T3-L1 fibroblasts. *Biochem. J.* 298: 575-578, 1994
15. Moustaid, N., Jones, B.H. and Taylor, J.W. Insulin increases lipogenic enzyme activity in human adipocytes in primary culture. *J. Nutr.* 126: 865-870, 1996
16. Jones, B.H., Maher, M.A., Banz, W.J., Zemel, M., Whelan, J., Smith, P., and Moustaid, N. Adipose tissue stearoyl CoA desaturase mRNA is increased by obesity and decreased by polyunsaturated fatty acids. *Amer. J. Physiol.* 271: E44-E49, 1996

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17. Jones, B.H., Kim, J.H., Zemel, M.B., Woychick, R.O., Michaud, E.J., Wilkinson, W.O. and Moustaid, N. Upregulation of adipocyte metabolism by agouti protein: possible paracrine actions of agouti in yellow mouse obesity. *Am. J. Physiol.* 270: E192-E196, 1996
18. Kim, J.H., Mynatt, R., Moore, J.W., Woychik, R., Moustaid, N. and Zemel, M.B. The effects of calcium channel blockade on agouti-induced obesity. *FASEB, J.* 10: 1646-1652, 1996
19. Jones, B.H. Standridge, M. and Moustaid, N. Angiotensin II increases lipogenesis in 3T3-L1 and human adipose cells. *Endocrinology* 138: 1512-1519, 1997
20. Jones, B.H. Standridge, M., Taylor, J.W. and Moustaid, N. Angiotensinogen gene expression in adipose tissue: comparative analysis of obese models and hormonal and nutritional control in adipocytes. *Am.J. Physiol* 42: R236-R242, 1997
21. Claycombe, K., Jones, B., Standridge, M., Guo, Y, Chun, J, Taylor, J and Moustaid-Moussa N., Insulin increase transcription of the fatty acid synthase gene in human adipocytes but not in hepatoma cells. *Am. J. Physiol.* 43: R1253-R1259, 1998
22. Zemel M.B., Moore, J.W., Moustaid, N., Parks, D., Blanchard, S. and Wilkison, W.O. Effects of a potent melanocortin agonist on the diabetic/obese phenotype in yellow mice. *Int. J. Obes.* 22: 678-683, 1998
23. Xue B, Moustaid-Moussa, N., and Zemel B. The agouti gene product inhibits lipolysis in human adipocytes via a Ca^{2+} -dependent mechanism. *FASEB J.* 12: 1391-1396, 1998
24. Moustaid-Moussa, N. Role of the agouti protein in obesity. *Medecine & Science (French)*. 8-9: 898-905, 1998
25. Jones, B.H., Standridge, M., Claycombe, K., Smith, P. and Moustaid-Moussa, N. Glucose induces stearoyl CoA desaturase gene expression in 3T3-L1 adipocytes. *The Biochem. J.* 335: 405-408, 1998
26. Xue, B., Wilkison, W.O., Mynatt, R. Moustaid, N., Goldman, M and Zemel, M.B. The agouti gene stimulates pancreatic β -cell Ca^{2+} -signaling and insulin release. *Physiol. Genomics* 1: 11-19, 1999
27. Moustaid-Moussa, N and Claycombe, K. Mechanisms of agouti-induced obesity. *Obes. Res.* 7(5): 506-514, 1999
28. Shi, H., Moustaid-Moussa, N., Wilkison, W.O. and Zemel, M.B. Role of sulfonylurea receptor in regulating human adipocyte metabolism. *FASEB J.* 13: 1833-1838, 1999
29. Standridge, M., Alemzadeh, R., Koontz, J., Zemel, M and Moustaid Moussa, N. Diazoxide downregulates leptin and lipid metabolizing enzymes in adipose tissue of Zucker rats. *FASEB J.* 14(3): 455-460, 2000
30. Moustaid Moussa, N. Paracrine actions of the agouti gene product: Implications in the yellow mouse obesity syndrome. Steenbok Symposium Proceedings: Adipocyte Biology and Hormone Signaling. In Biomedical and Health Research: Vol 37. Ed. J.M. Ntambi. IOS Press, 139-147, 2000 [Book]
31. Claycombe, K.J., Xue, B., Mynatt, R.L., Wilkison, W.O., Zemel, M.B. and Moustaid Moussa, N. Regulation of leptin by agouti and insulin. *Physiol. Genomics.* 2: 101-105, 2000

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32. Standridge, M. and Moustaid-Moussa, N. The adipose tissue renin angiotensin system: A link between obesity and hypertension? In press. In *Recent Research Developments in Endocrinology research*. Ed. S.G. Pandalai, Kerala, India. Volume 1: 185-196, 2000
33. Claycombe, K.J., Wang, Y., Jones, B.H., Kim, S., Zemel, M.B., Wilkinson, W.O., Zemel, M.B., Chun, J and Moustaid-Moussa, N. Transcriptional regulation of the adipocyte fatty acid synthase gene by agouti: interaction with insulin. *Physiol. Genomics* 3: 157-162, 2000
34. Kim, S., and Moustaid-Moussa, N. Secretory, endocrine and autocrine/paracrine function of the adipocyte. *J. Nutr.* 3110S-3115S, 2000
35. Fried, S.K. and Moustaid-Moussa, N. Culture of human adipose tissue and adipocytes. In: *Adipose tissue Protocols*. Ed: Gerard Ailhaud. The Humana Press 2001, pp197-212
36. Morris, K.L., Wang, Y., Kim, S. and Moustaid-Moussa, N. Dietary and Hormonal Regulation of the Mammalian Fatty Acid Synthase Gene. In *Nutrient-Gene Interactions in Health and Disease*. CRC series in Modern Nutrition. Eds. Naima Moustaid-Moussa and Carolyn Berdanier, CRC Press. pp 1-23, 2001
37. Kim, S., Dugail, I., Standridge, M., Claycombe, K., Chun, J. and Moustaid-Moussa, N. The Angiotensin II Response Element is the Insulin Response Element in the Adipocyte Fatty Acid Synthase Gene: The Role of the ADD1/SREBP1c. *Biochem. J.* 357 (3): 899-904, 2001
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39. Moustaid-Moussa, N. Does adipose tissue contribute to obesity and co-morbid conditions? *Proceedings of the Obesity Symposium*. Pp10-13, 2002. Seoul National University, Korea. Book Chapter
40. Moustaid-Moussa, N. Genomics in Nutritional Sciences. *Proceedings of the Genomics and Biotechnology Symposium*. Pp99-108, 2002. Ewha Women's University, Korea. Book Chapter
41. Moustaid-Moussa, N., Urs, S., Kim, S. and Heo, Y-R. Emerging Genomics Technologies in Nutritional Sciences: Applications to obesity and hypertension research. *Proceedings of the Korean Nutrition Society*, pp29-41, 2002. Book Chapter.
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43. Kim, S. Urs, S., Massiera, F., Wortmann, P., Joshi, R., Heo, YR., Andersen, B., Kobayashi, H., Teboul, M., G. Ailhaud, G., Quignard-Boulange, A., Fukamizu, A., Jones, BH, Kim, JH and Moustaid-Moussa, N. Effects of High-Fat Diet, Angiotensinogen (agt) Gene Inactivation, and Targeted Expression to Adipose Tissue on Lipid Metabolism and Renal Gene Expression. *Horm. Metab. Res.* 2002, 34 (11-12): 721-725

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44. Heo, Y.R., Claycombe, K., Truett, G.E. Wright, P., Banz, W., Maher, M., Zemel, M., Jones, B., and Moustaid-Moussa, N. Effects of fatty (*fa*) allele on adipose tissue leptin and lipid metabolism. *Horm. Metab. Res.* 2002, 34 (11-12): 686-690
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