SUMMARY

Students
Undergraduate: 978
Graduate: 114

Degrees Earned
MS: 35
PhD: 7

Faculty Members
Total: 27
Recruited: 2
Open Positions: 3

Grants
Extramural: 10 grants for $2,815,001.93
TTU: 14 grants for $65,250
Total active Extramural: 18 grants for $4,247,332

Faculty Awards 8
Student & PostDoc Awards 26
Patents Obtained 5
Total Publications 54
Posters and Presentations 51
Invited Lectures and Symposia 23
Media Appearances 32

Outreach and Engagement
NMHI
Student Orgs: CNO & SAND
NS 4130
Study Abroad- South Africa
Dietetic Internship
Community Research
US Foods Seminar
Student Enrollment

Undergraduate Total= 978
Nutritional Sciences & Dietetics  189
Nutrition PPHC  218
Health & Wellness  133
Teaching Certification  3
Nutrition Undecided  52
Nutrition Undeclared  28
NS Concentrations  204
NS Minors  151

Graduate Total= 114
MS- Nutritional Sciences  14
MS- Nutrition & Dietetics (excluding interns)  32
Dietetic Internship  40
PhD- Nutritional Sciences  28

Degrees Earned

Master's

Doctoral
Kembra Albracht-Schulte
Shao-Hua Chin
Soni Khandelwal
Jie Liu
Sanjoy Saha
MD Khurshidul Zahid
Yujiao Zu

Faculty

Professor
Mallory Boylan
Nikhil Dhurandhar
Naima Moustaid-Moussa
Mary Murimi
Wilna Oldewage-Theron
Debra Reed
Julian Spallholz

Research Assistant Professor
Lei Hao
Iurii Koboziev
Latha Ramalingam
Andrew Shin

Assistant Professor of Practice
Shelley Fillipp
Lydia Kloiber

Associate Professor
Martin Binks
Shu Wang

Full Time Instructor
Holli Booe
Lori Kiker

Assistant Professor
Allison Childress
John Dawson
Shannon Galyean
Vijay Hegde
Shaikh Rahman

Part Time Instructor
Kelli Paschall
Karen Simnacher

Online Instructors
Carol Ireton-Jones
Michele Brooks
Chelsea Schulz
Stephanie Rushing
Gordon Thomas
New in 2018:

Shannon Galyean  
Assistant Professor

Lori Kiker  
Instructor

Retired in 2018:

Debra Reed  
Professor

Vacancies to be filled:

1 Assistant Professor  
1 Associate Professor  
1 Associate/Full Professor

Staff

Jenna Seale | Business Manager

Ashley Wenzel | Coordinator of NS Undergraduate, Graduate, and Online Programs

Shane Scoggin | Program Manager; Lab Safety Officer

Neha Kapoor | Nurse Practitioner; NMHI Clinic Supervisor
Grants

Extramural Grants Received in 2018

**PI: Martin Binks**
**Grant Title:** Does increased egg consumption have cognitive and neural benefits in food insecure, at-risk adolescents
**Collaborators:** Tyler Davis (Psychological Sciences)
**Sponsor:** American Egg Board
**Amount:** $20,000

**PI: Nikhil Dhurandhar, Martin Binks**
**Grant Title:** To predict weights loss response to Liraglutide (Saxenda®), from fMRI-based Determination of Food Cue Reactivity
**Collaborators:** Tyler Davis (Psychological Sciences)
**Sponsor:** Novo Nordisk Inc.
**Amount:** $481,320

**PI: Iurii Koboziev**
**Grant Title:** How gut microbiota profiles influence potato resistant starch glycemic response in overweight females
**Collaborators:** No other TTU collaborators
**Sponsor:** Alliance for Potato Research & Education - sub-award through Texas Women’s University
**Amount:** $5,500

**PI: Naima Moustaid-Moussa**
**Grant Title:** Heat shock proteins in diabetes and obesity
**Collaborators:** No other collaborators
**Sponsor:** Hamad bin Khailifa University
**Amount:** $68,750
**PI: Naima Moustaid-Moussa**  
**Grant Title:** Impact of a lean beef diet on reducing the risk of developing cancer, diabetes and obesity in mouse models  
**Collaborators:** Lauren Collahon (Biological Sciences), Mindy Brashears (Animal and Food Sciences), Alejandro Echeverry (Animal and Food Sciences), Guy Loneragan (Animal and Food Sciences), Iurii Koboziev  
**Sponsor:** Beef Products Inc.  
**Amount:** $1,600,000

**PI: Naima Moustaid-Moussa**  
**Grant Title:** Anti-obesity effects of omega 3 fatty acids in brown adipose tissue  
**Collaborators:** Breanna Harris (Biological Sciences), Latha Ramalingam  
**Sponsor:** NIH Supp– National Center for Complementary and integrative Health  
**Amount:** $369,468

**PI: Mary Murimi**  
**Grant Title:** Graduate education at the Nexus of Global Horticulture and Human Nutrition to enhance community resilience and food security  
**Collaborators:** Mindy Brashears (Animal and Food Sciences), Conrad Lyford (Agricultural and Applied Economics)  
**Sponsor:** USDA – Federal Pass Through University of Arkansas for Medical Services  
**Amount:** $40,808.93 (Added funds with PI change)

**PI: Mandana Pahlavani**  
**Grant Title:** Postdoc Fellowship Integrated gene and microRNA networks mediating anti-inflammatory effects of omega 3 fatty-acids in diet-induced obesity  
**Collaborators:** Naima Moustaid-Moussa  
**Sponsor:** USDA - AFRI  
**Amount:** $165,000
PI: Shu Wang
Grant Title: BCA2’s modulation of NF-kB and its role in proviral latency
Collaborators: Ruth Serra Moreno
Sponsor: NIH – National Institute of Allergy and Infectious Diseases
Amount: $14,155 (sub-award)

PI: Shu Wang
Grant Title: I-Corps: Burning fat by nanoparticle for obesity treatment (FatBurningNanoTM)
Collaborators: No other Collaborators
Sponsor: National Science Foundation
Amount: $50,000

TTU Grants Received in 2018

PI: Shu Wang
Source: OVPR Proposal Assistance Program
Amount: $10,000

PI: Naima Moustaid-Moussa
Source: COHS Wylie Briscoe Alzheimer's Disease
Amount: $13,500

PI: Naima Moustaid-Moussa
Source: FASESP (Brazil) SPRINT Award
Amount: $10,000 ($5,000 for 2 years)

PI: Naima Moustaid-Moussa
Source: President's Excellence in Research Fellowship
Amount: $15,000 ($5,000 for 3 years)

PI: Sabra Williams
Source: Undergraduate Research – CALUE/Parent and Family Relations
Amount: $1,000
PI: Emily Miller  
Source: Undergraduate Research - CALUE/Parent and Family Relations  
Amount: $1,000

PI: Hannah Olvera  
Source: Undergraduate Research - CALUE  
Amount: $1,000

PI: Iurii Koboziev  
Source: COHS Undergraduate Research Award  
Amount: $750

PI: Naima Moustaid-Moussa  
Source: COHS Undergraduate Research Award  
Amount: $750

PI: Latha Ramalingam  
Source: COHS Undergraduate Research Award  
Amount: $750

PI: Andy Shin  
Source: COHS Undergraduate Research Award  
Amount: $750

PI: Wilna Oldewage-Theron  
Source: COHS Undergraduate Research Award  
Amount: $750

PI: Naima Moustaid-Moussa  
Source: COHS Come N’ Go  
Amount: $5,000

PI: Shu Wang  
Source: COHS Come N’ Go  
Amount: $5,000
Active Extramural Grants

**PI: Martin Binks**
Grant Title: Does increased egg consumption have cognitive and neural benefits in food insecure, at-risk adolescents  
Collaborators: Tyler Davis (Psychological Sciences)  
Sponsor: American Egg Board  
Amount: $20,000

**PI: Nikhil Dhurandhar**
Grant Title: Does higher protein quality breakfast reduce energy intake when following a weight loss diet plan  
Collaborators: John Dawson Allison Childress  
Sponsor: American Egg Board  
Amount: $132,645

**PI: Nikhil Dhurandhar**
Grant Title: Incentivizing Lifestyle Modification to Reduce Disease Burden  
Collaborators: Martin Binks Debra Reed  
Sponsor: RCK Foundation  
Amount: $15,000

**PI: Nikhil Dhurandhar**
Grant Title: Determining dietary pattern accompanying egg intake  
Collaborators: Corby Martin John Dawson  
Sponsor: American Egg Board  
Amount: $47,468.00

**PI: Nikhil Dhurandhar**
Grant Title: To predict weights loss response to Liraglutide (Saxenda®), from fMRI-based Determination of Food Cue Reactivity  
Collaborators: Martin Binks, Tyler Davis (Psychological Sciences)  
Sponsor: Novo Nordisk Inc.  
Amount: $481,320
**PI: Iurii Koboziev**  
**Grant Title:** How gut microbiota profiles influence potato resistant starch glycemic response in overweight females  
**Collaborators:** No other TTU collaborators  
**Sponsor:** Alliance for Potato Research & Education – sub-award through Texas Women's University  
**Amount:** $5,500

**PI: Naima Moustaid-Moussa**  
**Grant Title:** Anti-obesity effects of omega 3 fatty acids in brown adipose tissue  
**Collaborators:** Latha Ramalingam  
**Sponsor:** NIH  
**Amount:** $799,352

**PI: Naima Moustaid-Moussa**  
**Grant Title:** USDA Fellowship: micro RNAs as mediators of omega 3 fatty acids effects on inflammation (Kembra Albracht-Schulte)  
**Collaborators:** Latha Ramalingam  
**Sponsor:** USDA-NIFA  
**Amount:** $95,000

**PI: Naima Moustaid-Moussa**  
**Grant Title:** Heat shock proteins in diabetes and obesity  
**Collaborators:** No other collaborators  
**Sponsor:** Hamad bin Khailifa University  
**Amount:** $68,750

**PI: Naima Moustaid-Moussa**  
**Grant Title:** Impact of a lean beef diet on reducing the risk of developing cancer, diabetes and obesity in mouse models  
**Collaborators:** Lauren Gollahon (Biological Sciences), Mindy Brashears (Animal and Food Sciences), Alejandro Echeverry (Animal and Food Sciences), Guy Loneragan (Animal and Food Sciences), Iurii Koboziev  
**Sponsor:** Beef Products Inc.  
**Amount:** $1,600,000
PI: Mary Murimi
Grant Title: Building a cadre of minority scientists in the area of childhood obesity prevention: A mentoring initiative
Sponsor: USDA-NIFA
Amount: $50,000

PI: Mary Murimi
Grant Title: Graduate Education at the Nexus of Global Horticulture and Human Nutrition to Enhance Community Resilience and Food Security
Collaborators: Mary Murimi
Sponsor: USDA, NIFA, Federal
Amount: $72,002.93

PI: Mary Murimi
Grant Title: Linking cattle nutrition to human nutrition: A value chain approach to improving the production, handling, and consumption of animal source foods in Ethiopia
Sponsor: USAID
Amount: $81,900

PI: Mandana Pahlavani
Grant Title: Postdoc Fellowship Integrated gene and mircoRNA networks mediating anti-inflammatory effects of omega 3 fatty-acids in diet-induced obesity
Collaborators: Naima Mosutaid-Moussa
Sponsor: USDA, NIFA
Amount: $165,000

PI: Latha Ramalingam
Grant Title: Early life programming by omega 3 fatty acids in obesity-associated inflammation
Collaborators: Naima Moustaid-Moussa
Sponsor: AHA
Amount: $154,000
**PI: Shu Wang**  
**Grant Title:** Anti-obesity effects of adipose-targeting resveratrol nanocarriers  
**Collaborators:** Guigen Li (Chemistry) Yehia Mechref (Chemistry)  
**Sponsor:** NIH  
**Amount:** $395,239

**PI: Shu Wang**  
**Grant Title:** BCA2’s modulation of NF-kB and its role in proviral latency  
**Collaborators:** Ruth Serra Moreno  
**Sponsor:** NIH – National Institute of Allergy and Infectious Diseases  
**Amount:** $14,155 (sub-award)

**PI: Shu Wang**  
**Grant Title:** I-Corps: Burning fat by nanoparticle for obesity treatment (FatBurningNanoTM)  
**Collaborators:** No other Collaborators  
**Sponsor:** National Science Foundation  
**Amount:** $50,000

=**Total:** $4,247,332
Faculty Awards

**Dr. Allison Childress** received the 2018 Texas Academy of Nutrition and Dietetics Distinguished Scientist Award.
**Dr. John Dawson** was selected as one of the Top Reviewers for The American Journal of Clinical Nutrition (AJCN).
**Dr. Nik Dhurandhar** received the Barnie E. Rushing Jr. Award by Texas Tech University for excellence in research, scholarship and creative activity. He was also appointed as the Helen DeVitt Jones Endowed Chair.
**Dr. Naima Moustaid-Moussa** received the Nancy J. Bell Graduate Faculty Excellence in Mentoring Award.
**Dr. Mary Murimi** was recognized as the first runner-up for TTU Global Engagement Community Award for significant contributions to the impact of Texas Tech across the globe. She also received the Korea Society of Community Nutrition (KSCN) and SNEB Professional Achievement Award for her outstanding work with minority groups at the international level during the SNEB 2018 Annual Conference in Minneapolis, MN.
**Dr. Andrew Shin** received the Prestigious Foreign Scholar Grant from Seoul National University (SNU) in South Korea. This is an international travel award given to a foreign investigator to recognize an outstanding research and collaboration with another investigator in Korea.
Student Awards

Mehrnaz Abbasi was selected as the Graduate Student of the month by the College of Human Sciences. Sharmin Akter received the Study Abroad Competitive Scholarship. Kembra Albracht-Schulte received the Helen DeVitt Jones Excellence in Graduate Teaching Award. She also received the American Society for Molecular Biology and Biochemistry Travel Award. Ana Moyeda Carabaza received the Higher Education Division Student Research Award for the submission of the abstract titled “Contributing Factors for Effective Nutrition Education Interventions in Children: A Systematic Review” during the 51st annual Society for Nutrition Education & Behavior (SNEB) annual conference in Minneapolis, MN. She then received the Nutrition Education for Children Division Student Poster Research Award for the presentation of the poster during the 51st SNEB Annual Conference in Minneapolis, MN. She also received the Korea Society of Community Nutrition (KSCN) - SNEB Student Award due to the focus of her master's thesis which increases knowledge and practice in the field of international community nutrition with minority groups. Shao-Hua Chin received the Love of Learning Award from Phi Kappa Phi Honor Society twice. Tochi Eboh was awarded 2nd place in the oral presentation session at the TTU Undergraduate Research Conference. Zahra Feizy was awarded 3rd place in the poster presentation of 4th Annual TTU Obesity Research Cluster Meeting. She was also selected as the ASN Emerging Leader in Nutritional Sciences Council at the Graduate Student Research Awards Competition. Wei-Lin Huang received the Study Abroad competitive scholarship from TTU Study Abroad Program. Yasaman Jamshidinaeini was selected as the fellow in 2018-2019 TEACH (Teaching Effectiveness and Career enhancement) program. The TEACH program assists students in developing teaching skills and exploring faculty roles. Shasika Jayarathne received the Study Abroad Competitive Scholarship. She also received the Runner-up in health sciences category from 17th Annual Graduate School Poster Competition. Sophia Jimenez won the Dietetic Intern of the Year Award from the Texas Academy of Nutrition and Dietetics (TAND).
**Student Awards** (continued)

Kalhara Menikdiwela was awarded 1st place in the oral presentation of 4th Annual TTU Obesity Research Cluster Meeting. He also received the Study Abroad Competitive Scholarship.

Maliha Tabassum Munir selected as the February 2018 Graduate Student of the Month in the College of Human Sciences.

Hannah Olvera received LeaderShape scholarship from TTU COHS to represent the College of Human Sciences at a leadership camp hosted by the LeaderShape Institute in Boston.

Fahmida Rasha received the Study Abroad Competitive Scholarship.

Yujiao Zu won the ASN Nutritional Sciences Council 2018 Graduate Student Research Awards Competition. She received second place in the Obesity topical area of the Emerging Leaders in Nutrition Sciences Poster Competition during Nutrition 2018 Conference. Also, she received a travel award from the North America Chinese Society for Nutrition (NACSN).

**PostDoc Awards**

Mandana Pahlavani was awarded an international DSM Science & Technology Award as one of four finalists at the International Society for the Study of Fatty Acids and Lipids in Las Vegas in May.
Intellectual Property

Nikhil Dhurandhar

Patents Obtained

1. “Adrenovirus Ad365E4orf1 protein for prevention and treatment of nonalcoholic fatty liver disease,” Approved February 2018, South Korea
2. “E4orf1,” Approved August 2018, Japan
3. “Enhanced glycemic control using ad36e4orf1 and akt1 inhibitor,” Approved July 2018
4. “Enhanced glycemic control using ad36e4orf1 and akt1 inhibitor,” Approved March 2018, Australia
5. “Small molecule analogs of E4orf1,” Approved August 2018, United States

Publications

Journal Articles

7. **Binks M, Chin S.** A theoretical rationale for psychological mechanisms through which slimming garments may motivate physical activity in people with obesity. PROCPREVMED (In Press).


42. Ullah, E., Mall, R., Rawi, R., Moustaid, N. M., Butt, A. A., Bensmail, H. (2018). Harnessing Qatar Biobank to understand type 2 diabetes and obesity in adult Qataris from the First Qatar Biobank Project. Journal of Translational Medicine, 16(1).


Posters and Presentations

Posters


7. **BAZ ABU, WH OLDEWAGE-THERON & S SAHA.** Four out of ten senior citizens in Texas need nutrition education. Texas Academy of Nutrition and Dietetics Conference and Exhibition 12-14 April 2018 in Houston, TX.

8. **Binks M, Kahathuduwa C, Davis T.** Do Scores on the Power of Food Scale Reflect Brain Food-cue Reactivity in People with Obesity? Proceeding 25th European Congress on Obesity; 2018 May; Vienna, Austria.


16. **Huang W**, **Chin S**, Kahathuduwa CN, **Quarles WR**. Davis T, **Binks M**. Fat Mass but not Body Weight is Associated with YFAS Score in People Undergoing Weight Loss Treatment. Current Developments in Nutrition. 2018 Jun; Boston, MA.


18. Jayarathne S, Stull A, **Ramalingam L**, Pahlavani M, **Moustaid-Moussa N**. Anti-inflammatory Effects of Tart Cherry Anthocyanins in Adipose Tissue. 4th Annual TTU Obesity Research Cluster Meeting; 2018 May; Lubbock, TX.
19. **Klobodu SS, Oldebage-Theron W, Carpio C.** Soy Consumption and Vegetable Gardening with Skills Training are Cost Effective in Improving the Lipid Profile of Women in Qwa-Qwa. American Society for Nutrition (ANS) Conference 8-12 June 2018, Hynes Convention Center, Boston, MA.


21. **Liyanage S, Bouyanif A, Ramalingam L, Moustaid-Moussa N, Abdi N.** FTIR microspectroscopy application to study dietary induced changes in adipose and liver tissues. 4th Annual TTU Obesity Research Cluster Meeting; 2018 May; Lubbock, TX.

22. **Menikdiwela K, Clevenger S, Eboh T, Ramalingam L, Allen L, Scoggin S, Moustaid-Moussa N.** Maternal and offspring supplementation with fish oil improves metabolic health in diet induced obesity. 4th Annual TTU Obesity Research Cluster Meeting; 2018 May; Lubbock, TX.

23. **Moseley M, Quarles WR, Kahathuduwa CN, Davis T, Binks M.** Three Factor Eating Questionnaire Predicts Food Craving Inventory Scores in Individuals with Obesity. Current Developments in Nutrition. 2018 Jun; Boston, MA.

24. **Moyeda A.** Community-based Assessment and Intervention for the Prevention of Type 2 Diabetes and its Complications among Hispanics in Lubbock, Texas and in a Mexico-Texas Border City. 4th Annual TTU Obesity Research Cluster Meeting; 2015 May; Lubbock, TX.

25. **Munir MT, Santos JM, Khan ZS, Tarafdar K, Hussain F, Rahman SM.** Vitamin D3 (calcitriol) reverses epithelial-mesenchymal transition and inhibits stemness and cell migration in breast cancer. 4th Annual TTU Obesity Research Cluster Meeting; 2018 May; Lubbock, TX.


29. **Parajulia P, Liyanagea S, Rajakarunaa H, Ramalingam L, Moustaid-Moussa N, Abidi N.** FTIR Microspectroscopy study of the oxidative damage occurring in Mouse White Adipose Tissue. 4th Annual TTU Obesity Research Cluster Meeting; 2018 May; Lubbock, TX.

30. **Patkar PP, Hao Z, Mumphrey MB, Ballard BL, Berthoud HR, Shin AC.** Branched-chain amino acid (BCAA) metabolism is improved in a mouse model of Roux-en-Y gastric bypass. 4th Annual TTU Obesity Research Cluster Meeting; 2018 May; Lubbock, TX.


33. **Quarles WR, Kahathuduwa CN, Davis T, Binks M.** Predicting Weight-Related Activity Limitations in Individuals with Obesity. Current Developments in Nutrition. 2018 Jun; Boston, MA.

34. **Quarles WR, Kahathuduwa CN, Davis T, O’Boyle M, Binks M.** BMI and Body Fat Mass Are Differentially Associated with fMRI Food-cue Reactivity in Individuals with Obesity. 17th Annual TTU Graduate Research Poster Competition; 2018 Apr; Lubbock, TX.


38. Ruiz SI, Redelfs AH, Perez D, Dhurandhar NV, Atkinson RL, Whigham LD. Perceptions of calorie content of food components, but not mixed meals, are more accurate in dietetic professionals vs other professionals. Obesity Week 2018.


41. WH OLDEWAGE-THERON & BAZ ABU. Food insecurity and food access among the elderly in the South Plains of Texas. Texas Academy of Nutrition and Dietetics Conference and Exhibition 12-14 April 2018 in Houston, TX.

42. Y JAMSHIDI-NAENI, W OLDEWAGE-THERON & AA ECAL. The association between iron status biomarkers and developing high blood pressure in the elderly attending a day-care center in Sharpeville, South Africa from 2004 to 2014: a retrospective cross-sectional and longitudinal study. Texas Academy of Nutrition and Dietetics Conference and Exhibition 12-14 April 2018 in Houston, TX.

43. Zahid MK, Scoggin S, Yamasaki M, Arakawa T, Rahman SM. Blueberry leaf extract inhibits foam cell formation and activates autophagy in macrophages via AMPK/mTOR signaling. 4th Annual TTU Obesity Research Cluster Meeting; 2018 May; Lubbock, TX.
Oral Presentations


Invited Lectures and Symposia

Invited Lectures

Dr. Nik Dhurandhar
1. What Determines Food Intake: Will Power?; Essentials of a Good Weight Loss Diet; Weight loss program or Obesity management program: What is the difference? Institute for Health Living / University of Texas at El Paso and Texas Tech University, El Paso TX.

Dr. Vijay Hegde

Dr. Naima Moustaid-Moussa
4. Texas Tech Health Sciences Center at El Paso, Invited Seminar: Anti-inflammatory effects of omega 3 fatty acids in obesity and insulin resistance
5. University of Houston, Invited Seminar: Role of adipocyte angiotensins in metabolic diseases
7. Qatar Computing Research Institute (QCRI) and Anti-Doping Laboratory Qatar (ADLQ): Novel Roles for the Renin Angiotensin System in Obesity and Insulin Resistance
8. Rutgers University; Invited speaker, Institute for Food Nutrition and Health
9. Zhejiang Chinese Medical University; invited visit and seminar

Dr. Mary Murimi
10. TTU Climate Science Center. ‘Climate and Food’. Lubbock, TX. April 3, 2018.
Dr. Wilna Oldewage-Theron
1. 8th Africa Nutritional Epidemiology Conference. 'Food security and malnutrition – are the elderly as vulnerable as women and children?’ Addis Ababa, Ethiopia. October 3, 2018.
2. OLDEWAGE-HERON WH. Macro- and micronutrient malnutrition. TTUHSC Tropical medicine students. Jan 31, 2018
3. OLDEWAGE-HERON WH. Food and nutrition insecurity. TTUHSC Tropical medicine students. Feb 1, 2018

Dr. Latha Ramalingam

Symposia
Dr. Martin Binks

Dr. Nik Dhurandhar

Dr. Naima Moustaid-Moussa
**Dr. Wilna Oldewage-Theron**

1. American Soybean Association/WISHH Affordable Protein Supply workshop. ‘Protein nutrition and health education at school.’ Purdue University, West Lafayette, IN. July 31, 2018.

**Dr. Andrew Shin**

2. Seminar, Seoul National University, Department of Endocrinology, Seoul, South Korea. Greedy AgRP neurons – New insights into nutrient metabolism and bariatric surgery
3. Seminar, Asan Medical Center, Department of Medicine, Seoul, South Korea. Energy balance and beyond – Big appetite for AgRP neurons
4. Seminar, Obesity Research Cluster (ORC), TTU, Lubbock, Texas, USA. Branched-chain amino acids – New rising foe in diabetes
In the Media

**Ashley Taylor, Ph.D. Student**
Dallas News, ‘Every College Needs a Food Bank’
Jordan Robison, TTU NS Alumni
TTU College of Human Sciences, 'Jordan Robison Alumni Profile'.

**Shao-Hua Chin, Ph.D. Student**
Lubbock Avalanche Journal, 'Learning Awards given at Texas Tech'.
Dr. Mandana Pahlavani, Postdoc
Texas Tech Today, ‘Postdoctoral Research Fellow Receives Two-Year Grant from the USDA’.

**Drs. Shu Wang and Andrew Shin**
TTU COHS, 'Nutritional Sciences' Faculty Awarded TTU President's Collaborative Research Initiative.’

**Dr. Nik Dhurandhar**
Local:
KTTZ-FM 89.1, 'ITT: Obesity Tied to Viral Infection.'
Texas Tech Today, 'Expert Available to Discuss Recent Increases in Childhood Obesity.'
EverythingLubbock.com, 'Obesity Numbers On the Rise Again.'
KTTZ-FM 89.1, 'Inside Texas Tech: Understanding Childhood Obesity.'
Texas Tech Today, 'Nutrition expert who discovered first obesity virus will now offer services to the public'.
Texas Tech Today, 'Obesity Expert: Study Suggesting Severe Calorie Restriction Lengthens Life Advances Proof of Concept but Provides Few Practical Implications'.
Daily Toreador, ‘Obesity caused by often overlooked internal, external factors’.
National:
National Geographic, interviewed for a documentary on research about virus-induced obesity
Masala Radio Houston, interview
LiveMint, ‘The compassion of the “Dangal” diet.’
Dr. Martin Binks
Local FOX34 TV News Broadcast, announced the launch of TTU-NMHI clinical services National INSIDER, ‘6 scary things that could happen when you lose weight too quickly’.

Dr. Allison Childress
Texas Tech Today, ‘Allison Childress received the 2018 Texas Academy of Nutrition and Dietetics Distinguished Scientist Award.’

Dr. Naima Moustaid-Moussa
TTU College of Human Sciences, entitled ‘Campus Teamwork Provides Students with Unique Opportunity to Attend Biomedical Conference’.

Dr. John Dawson
Texas Tech Today, ‘Study Shows Association Between Perceived Social Status and Eating Behaviors’
EverythingLubbock.com, ‘TTU study shows association between perceived social status and eating behaviors’.

Dr. Wilna Oldewage-Theron
The role of soy in nutrition for developing countries. WISHH website. http://www.wishh.org/the-role-of-soy-in-nutrition-for-developing-countries/

Nutrition & Metabolic Health Initiative (NMHI)
Daily Toreador, ‘Department of Nutritional Sciences to start offering public clinical services.’
1007 The Score, ‘Texas Tech researchers treat obesity using science’.
Daily Toreador, ‘Nutrition program makes strides’.
Outreach and Engagement

**Nutrition and Metabolic Health Initiative (NMHI)**
Launched clinical services to the community in February 2018.
Reached 30 patients in its first year.

**The Graduate Nutrition Organization (GNO)**
Participated in Human Sciences Day.
Volunteered in TechWell to assist promoting health and wellness on campus through providing healthy eating information to attendees.
Participated in the first Texas Tech Great American Meat Out. TTU dining services showed a variety of vegan options and GNO members discussed with students why eating choices matter.
Participated in Arbor Day.
Participated in the Plainview farmers market and shared nutrition information with the community by handing out recipe cards and nutrition information to the market-goers.
Participated in Human Sciences Day. Human Sciences Day is the event for students to learn about different organizations and departments in the College of Human Sciences, as well as other resources available to students.

**Student Academy of Nutrition and Dietetics (SAND)**
The Student Academy of Nutrition and Dietetics at Texas Tech University had many outreach and engagement activities through the 2018 year such as:
- Ronald McDonald House
- Lubbock Impact
- South Plains Food Bank
- Lubbock Pancake Festival
- Kingdom Towers Education Class
- Catholic Charity
- Food 2 Kids
- On TTU Campus
- Other in the Community
NS 4130
In 2018, in a partnership with the YWCA’s YW-Care afterschool program, students enrolled in NS 4130 reached out to four elementary schools in Lubbock and held six weekly sessions of nutrition and physical activity education for school children. Over the course of the year, approximately 250 children aged 5-11 were engaged in the program and received age-appropriate education on nutrition, healthy snack preparation, and physical activity.

Study Abroad
Drs. Wilna Oldewage-Theron and Allison Childress led a study abroad trip to South Africa where 3 courses were taught: NS 2380, NS 4130, and NS 4330. The students that attended were able to work in a variety of community settings providing nutrition education to children, adults and older adults. They learned cultural food practices and how to design a nutrition education program for specific populations. The faculty and students were at Vaal University of Technology outside of Johannesburg in Vanderbijlpark, Qwa-Qwa Village in the Free State where they spent several days in a very rural poor community, then went to the Durban Institute of Technology in Durban. They also spent time in an HIV orphanage in Bophelong providing supplies and care to the children there and at Sharpeville Cared of the Aged where we provided nutrition education. They also provided nutrition education to children aged 2-10 at the DeDeur Primary School in Gauteng.

Dietetic Internship
The Nutritional Sciences Dietetic Internship is now reaching 4 cities in Texas: Lubbock, Amarillo, Midland/Odessa, and San Angelo. Of our rotating interns, 66% were hired for employment at one of the sites in which they rotated, spreading the TTU alumni about West Texas!
   Lubbock internship is partnering with 21 different rotation sites and a total of 45 preceptors.
   Amarillo internship is partnering with 15 different rotation sites and a total of 40 preceptors.
   Midland/Odessa internship is partnering with 13 different rotation sites and a total of 29 preceptors.
   The San Angelo internship is new in 2018 and hosting 4 interns. There, NS is partnering with 10 different rotation sites and a total of 18 preceptors.
Research

Dr. Wilna Oldewage Theron:
Served as one of the facilitators for WISHH that presented the U.S. Department of Agriculture’s (USDA) Cochran Fellowship Program to 17 delegates from various African and South American countries. The program provided short-term training opportunities to agricultural professionals from middle-income countries, emerging markets, and emerging democracies.

Alongside Dr Sarahi Morales (TTU alumni), Dr. Oldewage-Theron undertook a baseline survey among soy farmers in South Africa to determine their nutrition and soy training needs in order to plan and implement a soy nutrition education program. This program is ongoing.

Implemented a vitamin B6 supplementation program among the Sharpeville elderly to address vitamin B6 deficiency and reduce CVR based on a previous research study that showed vitamin B6 deficiency. Low vitamin B6 levels are associated with higher homocysteine levels that promote oxidative damage, inflammation and endothelial dysfunction and is therefore an independent cardiovascular risk (CVR) factor. This project is ongoing.

Dr. Mary Murimi
Conducted a one day workshop on research and leadership for Faculty women in Jijiga University in Ethiopia.
Collaborated on data collection for two regions in Ethiopia.
Gave a seminar on conflict management in Kenya.
Trained data collectors in Hawassa University for the food security project in Ethiopia.
Gave a presentation to the faculty of Wollega University on Community outreach and evaluation in Ethiopia.
Gave a presentation to the faculty of Mikelle University on Social determinants of Health in Ethiopia.

U.S. Foods: Food and Nutrition Seminar
On May 22-23, 2018 the 38th Annual US Foods- Food & Nutrition Seminar was held. The seminar attracts Registered Dietitians and Certified Dietary Managers from all over West Texas and Eastern New Mexico. The seminar provides up to 14 hours of continuing education hours as well as networking. This year we had over 80 attendees!