

## CURRICULUM VITAE

**Libo Tan, PhD**

**Assistant Professor**

The University of Alabama  
Department of Human Nutrition  
407 Russell Hall  
Tuscaloosa, AL 35487  
Phone: 205-348-9255  
Email: ltan@ches.ua.edu

### Education

2013 **Ph.D. in Nutritional Sciences**

Department of Nutritional Sciences, **The Pennsylvania State University**, PA  
Supervisor: Dr. A. Catharine Ross

Dissertation: Model-based compartmental analysis of the whole-body vitamin A metabolism and kinetics in neonatal rats

2007 **Bachelor in Biological Sciences**

Biochemistry Major, College of Life Science, **Shandong University**, Jinan, China

### Scholarly Training

2014-2015 **NIH Junior Investigator's Program**, University of Alabama

2012 **Training as Nutrition Evidence Analysis Abstractor**, Center for Nutrition Policy and Promotion, United States Department of Agriculture

2012 **WinSAAM Workshop**, University of Pennsylvania

### Professional Experience

2014- **Assistant Professor**, Department of Human Nutrition & Hospitality Management, College of Human Environmental Sciences, **The University of Alabama**, Tuscaloosa, AL

Areas of research: Bioavailability and pharmacokinetics of carotenoids; Retinoids, carotenoids and chronic diseases; Compartmental modeling of nutrients kinetics; Vitamin A metabolism; Vitamin A supplementation

2013-2014 **Postdoctoral Fellow**, Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA

Research topic: The effects of maternal and neonatal vitamin A supplementation on vitamin A status and vitamin A kinetics in neonatal rats.

### Contracts and Grants

#### Funded

NIH/NICHD R01 HD066982 3/1/2016-2/29/2020  
Title: Vitamin A Supplementation and Retinol Metabolism in the Neonatal Period  
Role: Co-PI

USDA Specialty Crop Block Grant Program 8/1/2018-7/31/2019  
Title: Postharvest Interventions to Improve Quality and Microbial Safety of Microgreens  
Role: PI

UA ORED Internal Funding Small Grant Program 1/1/2019-1/1/2021  
Title: Age-Mediated Pharmacokinetics of Lutein in Rats: the APL Study  
Role: PI

Mary A. Crenshaw Endowed Research Fund 05/2015-08/2016  
Title: Model-Based Compartmental Analysis of the Effects of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) on Vitamin A Kinetics in Rats  
Role: PI

SEC Faculty Travel Program: Visiting Travel Grant 2015-2016  
Role: PI

#### Under Review

USDA-NIFA  
Title: Modulating Starch Digestibility by Starch-Phenolic Inclusion Complex  
Role: PI

NiroWell  
Title: Exploring the Anti-obesity and Anti-diabetic Effects of Anthocyanin-Rich Sorghum Extract  
Role: PI

USDA-OREI  
Title: Integrated Research & Education: Introducing Organic Antimicrobial Alternatives for Safe Production and Consumption of Organic Produce  
Role: Co-PD

USDA Specialty Crop Block Grant Program

Title: Establish “International Microgreen Growers Association” to Provide Solid Foundation to Promote Specialty Crops of Microgreens

Role: PI

Status: Selected by Alabama Department of Agriculture for Further Review by USDA

## **Publications**

(Student is underlined)

Chen H, Tong X, **Tan L**, and Kong L. (2019). Sensory evaluation and consumers’ perceptions toward microgreens consumption. *Food Quality and Preference*. Under Review.

\***Tan L**, Nuffer H, Feng J, Kwan S, Chen H, Tong X, and \*Kong L. (2019). Antioxidant Properties and Sensory Evaluation of Microgreens from Commercial and Local Farms. *Food Chemistry*. Under Review. (\*Co-corresponding authors)

Guo J, \***Tan L**, and \*Kong L. (2019). Impact of dietary intake of resistant starch on obesity and associated metabolic profiles in human: A systematic review of the literature. *Critical Reviews in Food Science and Nutrition*. Under Review. (\*Co-corresponding authors)

Senkus KE, **Tan L**, and Crowe-White KM. (2019). Effect of lycopene on systemic and adipose tissue redox balance in Sprague-Dawley rats fed normal and high fat diets. *Free Radical Biology and Medicine*. Under Review.

Gutierrez A, Feng J, **Tan L**, and Kong L. (2019). Inhibitory Effect of Tea on the in vitro Enzymatic Digestion of Starch. *Journal of Science and Health at the University of Alabama*. Accepted.

Wang S, Kong L, Zhao Y, **Tan L**, Zhang J, Du Z, and Zhang H. (2019). Lipophilization and molecular encapsulation of p-coumaric acid by amylose inclusion complex. *Food Hydrocolloids*. 93:270-275.

**Tan L** and Kong L. (2019). Starch-guest inclusion complexes: formation, structure, and enzymatic digestion. *Critical Reviews in Food Science and Nutrition*. doi.org/10.1080/10408398.2018.1550739. [E-pub ahead of print].

Senkus KE, **Tan L**, and Crowe-White KM. (2019). Lycopene and metabolic syndrome: a systemic review of the literature. *Advances in Nutrition*. 10(1):19-29.

Yuan S, Zhang Y, Liu J, Zhao Y, **Tan L**, Liu, J, Wang Q, and Zhang H. (2019). Structure-affinity relationship of the binding of phenolic acids and their derivatives to bovine serum albumin, and effects on antioxidant activity. *Food Chemistry*. 278:77-83.

Wei J, Yin X, Liu Q, **Tan L**, and Jia C. (2018). Association between hypertension and cognitive function: A cross-sectional study in people over 45 years old in China. *Journal of Clinical Hypertension*. 20(11):1575-1583.

Hodges JK, **Tan L**, Green MH, and Ross AC. (2017). Vitamin A and retinoic acid combined have a more potent effect compared to vitamin A alone on the uptake of retinol into extrahepatic tissues of neonatal rats raised under vitamin A-marginal conditions. *Current Developments in Nutrition*. 1(12).

Hodges JK, **Tan L**, Green MH, and Ross AC. (2017). Vitamin A supplementation redirects the flow of retinyl esters from peripheral to central organs of neonatal rats raised under vitamin A-marginal conditions. *American Journal of Clinical Nutrition*. 105(5):1110-1121.

**Tan L**, Babbs AE, Green MH, and Ross AC. (2016) Direct and indirect vitamin A supplementation strategies result in different plasma and tissue retinol kinetics in neonatal rats. *The Journal of Lipid Research*. 57(8):1423-34.

Hodges JK, **Tan L**, Green MH, and Ross AC. (2016). Vitamin A supplementation transiently increases retinol concentrations in extrahepatic organs of neonatal rats raised under vitamin A-marginal conditions. *The Journal of Nutrition*. 146(10):1953-1960.

Hodges JK, **Tan L**, Green MH, and Ross AC. (2016). Vitamin A supplementation increases the uptake of chylomicron retinyl esters into the brain of neonatal rats raised under vitamin A-marginal conditions. *The Journal of Nutrition*. 146(9):1677-83.

**Tan L**, Green MH, and Ross AC. (2015) Vitamin A kinetics in neonatal rats vs. adult rats: comparison based on model-based compartmental analysis. *The Journal of Nutrition*. 145(3):403-410.

**Tan L**, Wray AE, Green MH, and Ross AC. (2014). Compartmental modeling of whole-body vitamin A kinetics in unsupplemented and vitamin A-retinoic acid supplemented neonatal rats. *The Journal of Lipid Research*. 55(8): 1738-1749.

**Tan L**, Wray AE, Green MH, and Ross AC. (2014). Retinol kinetics in unsupplemented and vitamin A-retinoic acid supplemented neonatal rats: A preliminary model. *The Journal of Lipid Research*. 55(6):1077-1086.

**Tan L**, Wray AE, and Ross AC. (2012). Oral vitamin A and retinoic acid supplementation stimulate antibody production and splenic Stra6 expression in tetanus toxoid-immunized mice. *The Journal of Nutrition*. 142(8):1590-5.

### **Book Chapters**

Ross AC, **Tan L**. (2016). Vitamin A Metabolism in the fetus and neonate, In: **Fetal and Neonatal Physiology**, 5th Edition, Chapter 38, Polin R, Abman S, Benitz W, Rowitch D, eds. Elsevier, Inc. Philadelphia, PA.

Ross AC, **Tan L**. (2015). Vitamin A deficiencies and excess, In: **Nelson's Textbook of Pediatrics**, 20th Edition, Chapter 45, Kliegman RM, Stanton BF, St. Geme J, Schor N, eds. Elsevier, Inc. Philadelphia, PA.

## **Peer-Reviewed Published Abstracts**

\*Kwan SH, \*Senkus KE, Crowe-White KM, and **Tan L**. (2019). Maternal vitamin A supplementation modulates adipose tissue development in offspring of rats consuming a high-fat diet. *Current Developments in Nutrition*. 3(Supplement\_1)

\*Senkus KE, **Tan L**, and Crowe-White KM. (2019). Systemic and adipose tissue redox balance in Sprague-Dawley rats fed standard fat and high fat diets supplemented with lycopene. *Current Developments in Nutrition*. 3(Supplement\_1)

\*Stumpf A, \*Broman K, \*Senkus KE, **Tan L**, Crowe-White KM, and Park H. (2019). Lycopene protects cortical neurons via oxidative stress-mediated  $\Delta$ -bcl-xl formation. *Current Developments in Nutrition*. 3(Supplement\_1)

\*Senkus KE, **Tan L**, and Crowe-White KM. (2018). Relationship between lycopene and metabolic syndrome. *Journal of the Academy of Nutrition and Dietetics*. 118(9):A91

Li Y, Green MH, **Tan L**, and Ross AC. (2016). Hepatic uptake of vitamin A is independent of retinoic acid pretreatment in neonatal rats. *The FASEB Journal*. 31: 635.11.

Urbanek J, **Tan L**, Green MH, and Ross AC. (2016). Vitamin A supplementation only transiently increases retinol concentrations in extrahepatic organs of neonatal rats raised under vitamin A-marginal conditions. *The FASEB Journal*. 30: 34.5.

Urbanek J, **Tan L**, Ross AC, and Green MH. (2015). The Uptake of Vitamin A into the Neonatal Brain. *The FASEB Journal*. 29: 32.1.

**Tan L**, Green MH, and Ross AC. (2014). The effects of vitamin A and retinoic acid supplementation to neonatal rats or dietary vitamin A supplementation to lactating mothers on vitamin A metabolism and kinetics in neonatal rats. *The FASEB Journal*. 28: 645.20.

Urbanek J, **Tan L**, Ross AC, and Green MH. (2014). Vitamin A supplementation promotes the uptake and tissue storage of vitamin A in a kinetic study of neonatal rats. *The FASEB Journal*. 28: 645.21.

**Tan L**, Green MH, and Ross AC. (2013). Model-based compartmental analysis of vitamin A kinetics in vitamin A-supplemented neonatal rats predicts extensive recycling and altered inter-compartmental exchange rates. *The FASEB Journal*. 27: 38.7.

**Tan L**, Wray AE, Green MH, and Ross AC. (2012). Development of a whole-body model of vitamin A metabolism in neonatal rats treated with oil or vitamin A and retinoic acid (VARA) based on compartmental analysis of retinol tracer kinetics. *The FASEB Journal*. 26: 1014.6.

**Tan L** and Ross AC. (2011). The kinetics and regulation of Stra6 expression in spleen and antibody production in tetanus toxoid-immunized mice. *The FASEB Journal*. 25: 784.4.

## **Presentations**

Peer-Reviewed (\*denotes student)

### *National*

\*Kwan SH, \*Senkus KE, Crowe-White KM, and **Tan L**. (2019). Maternal vitamin A supplementation modulates adipose tissue development in offspring of rats consuming a high-fat diet. Oral and Poster presentation. Nutrition 2019, Baltimore, ML.

\*Senkus KE, **Tan L**, and Crowe-White KM. (2019). Systemic and adipose tissue redox balance in Sprague-Dawley rats fed standard fat and high fat diets supplemented with lycopene. Oral presentation. Nutrition 2019, Baltimore, ML.

\*Senkus KE, **Tan L**, and Crowe-White KM. (2019). Adipose Tissue Development and Metabolic Profile of Neonatal and Weanling Sprague-Dawley Rats in Response to a Maternal High Fat Diet Supplemented with Lycopene. Nutrition 2019, Baltimore, ML.

\*Stumpf A, \*Broman K, \*Senkus KE, **Tan L**, Crowe-White KM, and Park H. (2019). Lycopene protects cortical neurons via oxidative stress-mediated  $\Delta$ -bcl-xl formation. Poster presentation. Nutrition 2019, Baltimore, ML.

\*Kwan SH, Feng J, Meza G, Tiong HK, Kong L, and **Tan L**. (2019). Evaluation of Nutritional Quality and Microbial Safety of Microgreens from Commercial and Local Organic Farms. Poster presentation. IFT 2019, New Orleans, LA.

\*Senkus KE, **Tan L** and Crowe-White K. (2018). Relation between Lycopene and Metabolic Syndrome. Poster presentation. FNCE 2018, Washington DC.

\*Senkus KE, **Tan L** and Crowe-White K. (2018). Lycopene Attenuates High-Fat Diet-Induced Oxidative Stress in Sprague-Dawley Rats. Poster presentation. Nutrition 2018, Boston, MA.

\*Li Y, Wei CH, Hodges J, Green, M, **Tan L** and Ross AC. (2018). Intestinal Uptake of Vitamin A is Stimulated by Retinoic Acid Pretreatment in Neonatal Rats. Poster presentation. FASEB 4th International Conference on Retinoids, Steamboat Springs, CO.

Hodges J, **Tan L**, MH Green and Ross AC. (2017). Vitamin A Supplementation Redirects the Flow of Retinyl Esters from Peripheral to Central Organs in Neonatal Rats Raised under Vitamin A-Marginal Conditions. Poster presentation. The Experimental Biology 2017, Chicago, IL.

\*Li Y, Green MH, **Tan L**, and Ross AC. (2017). Hepatic Uptake of Vitamin A is Independent of Retinoic Acid Pretreatment in Neonatal Rats. Poster presentation. The Experimental Biology 2017, Chicago, IL.

Ross AC, Green MH and **Tan L**. (2016). Neonatal versus maternal vitamin A supplementation – different effects on neonatal retinol kinetics. Oral presentation. FASEB 3rd International Conference on Retinoids, Palm beach, FL.

\*Urbanek J, **Tan L**, Ross AC, and MH Green. (2016). The transient effect of vitamin A supplementation on tissue levels in a neonatal rat model. Poster presentation. FASEB 3rd International Conference on Retinoids, Palm beach, FL.

\*Urbanek J, **Tan L**, Ross AC, and MH Green. (2016). Vitamin A supplementation transiently increases retinol concentrations in extrahepatic organs of neonatal rats raised under vitamin A-marginal conditions. Oral presentation. The Experimental Biology 2016, San Diego, CA.

\*Li Y, Urbanek J, Green MH, **Tan L**, and Ross AC. (2016). Retinoic acid pretreatment promotes vitamin A accumulation in the lung of neonatal rats. Poster presentation. The Experimental Biology 2016, San Diego, CA.

\*Urbanek J, **Tan L**, Ross AC, and MH Green. (2015). The uptake of vitamin A into the neonatal brain. Oral and poster presentation. The Experimental Biology 2015, Boston, MA.

**Tan L**, Green MH, and Ross AC. (2014). Vitamin A and retinoic acid (VARA) supplementation to neonatal rats or dietary vitamin A supplementation to lactating mothers differentially affect vitamin A status and kinetics in neonatal rats. Poster presentation. FASEB Retinoids Conference 2014, Chicago, IL.

**Tan L**, Green MH, and Ross AC. (2014). The effects of vitamin A and retinoic acid (VARA) supplementation to neonatal rats or dietary vitamin A supplementation to lactating mothers on vitamin A metabolism and kinetics in neonatal rats. Poster presentation. The Experimental Biology 2014, San Diego, CA.

Urbanek J, **Tan L**, Ross AC, and MH Green. (2014). Vitamin A supplementation promotes the uptake and tissue storage of vitamin A in a kinetic study of neonatal rats. Poster presentation. The Experimental Biology 2014, San Diego, CA.

**Tan L**, Green MH, and Ross AC. (2013). Model-based compartmental analysis of vitamin A kinetics in neonatal rats. Oral presentation. The Experimental Biology 2013, Boston, MA.

**Tan L**, Wray AE, Green MH, and Ross AC. (2012). Development of a compartmental model of vitamin A metabolism in neonatal rats treated with oil or vitamin A and retinoic acid (VARA). Poster presentation. FASEB Retinoids Conference 2012, Snowmass, CO.

**Tan L**, Wray AE, Green MH, and Ross AC. (2012). Development of a compartmental model of vitamin A metabolism in neonatal rats treated with oil or vitamin A and retinoic acid (VARA). Poster presentation. The Experimental Biology 2012, San Diego, CA.

**Tan L** and Ross AC. (2011). The kinetics and regulation of Stra6 expression in spleen and antibody production in tetanus toxoid-immunized mice. Poster presentation. The Experimental Biology 2011, Washington DC.

## ***International***

**Tan L**, Green MH, and Ross AC. (2013). Tracking the metabolism of vitamin A in neonates using a mathematical modeling approach. Oral presentation. The 11th China Nutrition Science Conference & International DRIs Summit, Hangzhou, China.

### Other Presentations (\*denotes student mentored research)

\*Erwin M, \*Kwan SH, \*Senkus KE, Crowe-White K, and **Tan L**. (2019). Maternal Vitamin A Supplementation Modulates Adipose Tissue Development in Offspring of Rats Consuming a High-Fat Diet. Poster presentation. Annual Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL. (*Won Third Place*)

\*Miles S, \*Senkus KE, \*Kwan SH, Crowe-White K, and **Tan L**. (2019). Adipose Tissue Development of Neonatal and Weanling Rats in Response to Maternal High Fat Diet Supplemented with Lycopene. Poster presentation. Annual Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL. (*Won Fifth Place*)

\*Cooper A, \*Zhang Y, Kong L, and **Tan L**. (2019). Nanoencapsulation of Curcumin and  $\beta$ -carotene in Amylose Inclusion Complex. Poster presentation. Annual Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL. (*Won Sixth Place*)

\*Gutierrez A, Feng J, **Tan L**, and Kong L. (2019). Inhibitory Effect of Tea on the in vitro Enzymatic Digestion of Starch. Poster presentation. Annual Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL. (*Won Fourth Place*)

\*Senkus KE, **Tan L**, and Crowe-White K. (2019). Adipose Tissue Development of Neonatal and Weanling Sprague-Dawley Rats in Response to a Maternal High Fat Diet Supplemented with Lycopene. Poster presentation. University Research Symposium 2019, Livingston, AL.

\*Zhang Y, Kong L, and **Tan L**. (2019). Enhanced Storage Stability and Photo-stability of beta-Carotene by Nanoencapsulation using Amylose Inclusion Complex. Poster presentation. University Research Symposium 2019, Livingston, AL.

\*Kwan SH, Feng J, Guadalupe M, Tiong HK, Kong L, and **Tan L**. (2019). Evaluation of Nutritional Quality and Microbial Safety of Microgreens from Commercial and Local Organic Farms. Poster presentation. University Research Symposium 2019, Livingston, AL.

\*Senkus KE, **Tan L**, and Crowe-White K. (2019). Systemic and Adipose Tissue Redox Balance in Sprague-Dawley Rats fed Standard Fat and High Fat Diets Supplemented with Lycopene. Poster presentation. University Research Symposium 2019, Livingston, AL.

\*Gutierrez A, Feng J, **Tan L**, and Kong L. (2019). Inhibitory Effect of Tea on the in vitro Enzymatic Digestion of Starch. Poster presentation. University Research Symposium 2019, Livingston, AL. (*Won Dean's Award*)

\*Cooper A, Kong L, and **Tan L.** (2018). Effect of Encapsulation by Amylose Inclusion Complex on the Stability of Ascorbyl Palmitate. Oral presentation. University of Alabama Randall Research Scholars Live Broadcast, Tuscaloosa, AL.

\*Kwan SH, **Tan L,** and Kong L. (2018). Recent Developments in Starch-Guest Inclusion Complex. Poster presentation. Annual Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL.

\*Senkus KE, **Tan L,** and Crowe-White K. (2018). Lycopene and Metabolic Syndrome. Educational Studies in Psychology, Research Methodology, and Counseling Graduate Research Symposium, University of Alabama Department of Education, Tuscaloosa, AL.

\*Henry K and **Tan L.** (2018). Literature review on the impacts of obesity on vitamin A status and metabolism. Poster presentation. The Seventeenth Annual University of Alabama System Honors Research Conference, Tuscaloosa, AL.

\*Henry K and **Tan L.** (2017). Literature review on the impacts of obesity on vitamin A status and metabolism. Poster presentation. Annual Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL.

\*Thompson E and **Tan L.** (2015). Vitamin A metabolism in the presence of TCDD. Oral presentation. University of Alabama's Computer-Based Honor (CBH) Program 2015 Fall Research Presentations, Tuscaloosa, AL.

### **Teaching Experience and Course Development**

**Instructor**, Department of Human Nutrition & Hospitality Management, University of Alabama

- NHM 690: Doctoral Studies Seminar
- NHM 561: Advanced Vitamins and Minerals
  - Teaching Evaluation: 5.00/5.00
- NHM 562: Metabolism of Energy Nutrients
  - Teaching Evaluation: 5.00/5.00
- NHM 361: Nutritional Biochemistry (On campus and Online)
  - Teaching Evaluation: 4.50/5.00
- NHM 362: Nutrition at Cell Level
  - Teaching Evaluation: 4.80/5.00
- NHM 101: Introduction to Human Nutrition
  - Teaching Evaluation: 4.89/5.00

**Course development for online delivery**, Department of Human Nutrition & Hospitality Management, University of Alabama

- NHM 361: Nutritional Biochemistry
- NHM 362: Nutrition at Cell Level
- NHM 562: Metabolism of Energy Nutrients

**Teaching Assistant**, Department of Nutritional Sciences, Pennsylvania State University

- NUTR 445: Metabolism of Macronutrients

### **Research Mentoring**

Shu Hang Kwan – PhD student in Human Nutrition

Yanqi Zhang – MS student in Health Science

Sydney Miles – Undergraduate student in Biological Sciences

Andrew Cooper – Undergraduate student in Mathematics. Advisor for the University of Alabama's Randall Research Scholars Program.

Maddie Erwin – Undergraduate student in Biological Sciences

Delaine Anderson – Undergraduate student in Human Performance Exercise Science

Holly Nuffer – Undergraduate student in Food and Nutrition

Katherine Henry – Undergraduate student in Nursing. Advisor for the University of Alabama's Emerging Scholars Program 2017-2018.

Elena Thompson – Undergraduate student in Nursing. Advisor for the University of Alabama's Computer-Based Honor (CBH) Program 2014-2015.

### **Professional Activities**

#### **Grant Reviewer**

- Reviewer. The Council for the Earth and Life Sciences Netherlands Organisation for Scientific Research (NWO); 2015

#### **Evidence Analysis Reviewer (Competitive Appointment)**

- Nutrition Evidence Abstractor, Nutrition Evidence Library (NEL) of USDA Center for Nutrition Policy and Promotion; 2012 to present.
  - Contributed to the publication of Dietary Guideline for Americans 2015

#### **Editorial Board**

- Journal of Nutritional Oncology

#### **Journal Reviewer**

- Current Developments in Nutrition
- Food Research International
- The Journal of Lipid Research
- The Journal of Nutrition
- The British Journal of Nutrition
- Jornal de Pediatria (A bimonthly publication of Brazilian Society of Pediatrics)

- Molecular Nutrition & Food Science
- The Journal of Nutrition & Food Sciences
- Linus Pauling Institute's Micronutrient Information Center at Oregon State University

#### Abstract Reviewer

- Abstract Reviewer. Nutrition 2019 Conference; 2019
- Abstract Reviewer. Nutrition 2018 Conference; 2018

#### Leadership

- **Chair**, Committee of Membership and Communication, North America Chinese Society for Nutrition; 2014 to present.
- **Co-Chair**, Election Committee for Leadership Group, North America Chinese Society for Nutrition; March-June 2016.
- **Co-Chair**, Election Committee for VP Position, North America Chinese Society for Nutrition; February-April 2017.

#### Professional Memberships

- American Society for Nutrition (2008 to present)
- International Carotenoid Society (2013 to present)
- Institute of Food Technologies (2018 to present)
- International Society for Computational Biology (2012 to present)
- North America Chinese Society for Nutrition (2013 to present)
- The Obesity Society (2016 to present)

#### Internal Committees

- **Co-Chair**, Search Committee for Associate/Full Professor Position, Department of Human Nutrition, University of Alabama (2018-present)
- Graduate Program Admission Committee, Department of Human Nutrition, University of Alabama (2014-present)
- Graduate Studies Committee, College of Human Environmental Sciences, University of Alabama (2014-2015)
- Research Committee, College of Human Environmental Sciences, University of Alabama (2015-2016)

### Judge

- Nutrition 2019 Conference, Emerging Leaders in Nutrition Science Poster Competition, 2019
- University of West Alabama 7th Undergraduate Research Symposium, 2018.

### Intern

- Center for Disease Control and Prevention (CDC) of Laiwu City, China, 2006.

### **Honors and Awards**

2015-2016	SECU Visiting Travel Award
2015	Certificate of Appreciation Awarded from USDA
2011-2012	The Woot-Tsuen Wu Leung Scholarships in Nutrition
2004-2006	The University Scholarship Award for Academic Excellence
2005	Guang-Hua Fellowship for Academic Excellence
2004-2007	Dean's List

### **Media Appearance**

UA researchers look to extend shelf life of nutritious vegetables. (2019).

<https://www.ua.edu/news/2019/04/ua-researchers-look-to-extend-shelf-life-of-nutritious-vegetables/>

Researchers probe link between newborn health and vitamin A. (2014). ScienceDaily.

<https://www.sciencedaily.com/releases/2014/10/141030213807.htm>