CURRICULUM VITAE
QINCHUN RAO

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General Information

University address: Food Science Program
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Professional Preparation

2009	Ph.D.	Florida State University	Major: Food and Nutrition
2004	M.S.	Florida State University	Major: Food and Nutrition
1997	B.S.	Jinan University, P.R. China	Major: Food Science and Engineering

Professional Experience

2014–present	Assistant Professor of Food Science, Department of Nutrition, Food and Exercise Sciences (NFES), Florida State University (FSU)
2014–present	Entrepreneur-In-Residence Professor, College of Human Sciences (CHS), FSU
2012–2014	Research Associate, Department of Food Science and Nutrition (FScN), University of Minnesota (UMN)
2010–2012	Postdoctoral Associate, FScN, UMN
2002–2009	Graduate Teaching/Research Assistant, NFES, FSU
2000–2002	Student Services Coordinate & Academic Advisor, Jinan University (JNU), P.R. China
1997–2002	Assistant Engineer, JNU, P.R. China

Honors, Awards, and Prizes

2018 The 1st place winner of Toxicology & Safety Evaluation Division Graduate Student Research Paper Competition (corresponding author), Institute of Food Technologists (IFT) Annual Meeting
2017 The 2nd place winner of Aquatic Food Products Division Graduate Student Research Paper Competition (corresponding author), IFT Annual Meeting
2015 The 1st place winner of Aquatic Food Products Division Graduate Student Research Paper Competition (corresponding author), IFT Annual Meeting
2014 The 1st place winner of Food Chemistry Division Graduate Student Research Paper Competition (co-author), IFT Annual Meeting

2009 Jacqueline Bouder Clemens and Leslie Clemens Scholarship, FSU
2009 Pao-Sen Chi Scholarship, FSU
2008 Pao-Sen Chi Scholarship, FSU
2007 College of Human Sciences Dissertation Award, FSU
2005 Graduate Student Scholarship Award, Chinse American Food Society (CAFS)
2003 College Teaching Fellowship, FSU
2002 College of Human Sciences Scholar Award, FSU

Current Membership in Professional Organizations

2015–present	America Oil Chemists' Society (AOCS)
2005–present	Chinese American Food Society (CAFS)
2004–present	Institute of Food Technologists (IFT)
2008	Kappa Omicron Nu Honor Society
2008	Sigma Xi, The Scientific Research Society

Teaching

Courses Taught

Advances in Nutrition and Food Science	HUN 6248
Directed Individual Study	HUN 4905/HUN 5906/HUN 6906
Dissertation	HUN 6980
Food Safety and Quality	FOS 4209/FOS 5205
Selected Topics in Food Science and Technology	FOS 5936
Seminars in Food and Nutrition Sciences	FOS 5930/FOS 6930/HUN 5930/HUN 6930
Seminar in Movement Sciences	PET 6930
Special Topics in Nutrition	HUN 5938
Supervised Research	HUN 5910/HUN 6911
Supervised Teaching	HUN 6940
Thesis	HUN 5971

Doctoral Committee Chair

Xingyi Jiang	Fall 2017–present	
Tolulola Toluwanimi Adeyewa	Fall 2017–present	
Behnam Keshavarz	Fall 2015–Spring 2017 (co-chair)	Postdoctoral Associate at the University of Virginia

Doctoral Committee Member

Oluwatoyin Olaoluwa Sangokunle	Fall 2017–present	
Valerie Zaffran	Fall 2016–present	
Sahil Gupta	Spring 2015–present	
Sepideh Alasvand	Fall 2014–Summer 2016	

Master's Committee Chair

Allen Humphries	Fall 2018–present	
Andrea Bernat	Fall 2017–present	
Mustafa Samiwala	Fall 2015–Spring 2018	
Han Mu	Fall 2015–Fall 2017	Research Scientist at Neogen Corp
Xingyi Jiang	Fall 2015–Spring 2017	Doctoral student at FSU
Yuyun Wu	Fall 2015–Spring 2017	Food company manager in P.R. China

Master's Committee Member

Tengfei Li	Fall 2016–Summer 2018
Valerie Zaffran	Fall 2014–Summer 2016
Qing Zhao	Fall 2014–Summer 2016

Undergraduate Honors Thesis Committee Member

Hannah E. Morgan	Spring 2015–Fall 2015

Supervision of Student Research Not Related to Thesis or Dissertation

Jonathan Albo	Fall 2017–present	Undergraduate student	Major: Chemical Engineering
Wilgens Mistilien	Fall 2017–Spring 2018	Undergraduate student	Major: Biological Sciences
Danielle Fuller	Spring 2017	Undergraduate student	Major: Food and Nutrition
Janelle Campbell	Summer 2016	Undergraduate student	Major: Exercise Physiology

Research and Original Creative Work

Publications

Refereed Journal Articles

Keshavarz, B.†, Jiang, X. Y., Hsieh, Y.-H. P., & Rao, Q. C. (2018). Matrix effect on food allergen detection - a case study of fish parvalbumin. Food Chemistry, in press. DOI: 10.1016/j.foodchem.2018.08.138.

Rao, Q. C., Jiang, X. Y., Li, Y. D., Samiwala, M., & Labuza, T. P. (2018). Can glycation reduce food allergenicity? Journal of Agricultural and Food Chemistry, 66, 4295-4299. DOI: 10.1021/acs.jafc.8b00660.

Jiang, X. Y., Fuller, D., Hsieh, Y.-H. P., & Rao, Q. C. (2018). Monoclonal antibody-based ELISA for the quantification of porcine hemoglobin in meat products. Food Chemistry, 250, 170-179. DOI: 10.1016/j.foodchem.2018.01.032.

Rao, Q. C., Klaassen Kamdar, A., & Labuza, T. P. (2016). Storage stability of food protein hydrolysates – a review. Critical Reviews in Food Science and Nutrition, 56, 1169-1192. DOI: 10.1080/10408398.2012.758085.

Rao, Q. C., Klaassen Kamdar, A., Guo, M. F., & Labuza, T. P. (2016). Effect of bovine casein and its hydrolysates on hardening in protein dough model systems during storage. Food Control, 60, 621-628. DOI: 10.1016/j.foodcont.2015.09.007.

Rao, Q. C., Richt, J. A., & Hsieh, Y-H. P. (2016). Immunoassay for the detection of animal central nervous tissue in processed meat and feed products. Journal of Agricultural and Food Chemistry, 64, 3661-3668. DOI: 10.1021/acs.jafc.6b00572.

Rao, Q. C., & Hsieh, Y-H. P. (2015). Effect of pH, temperature and storage time on the stability of bovine myelin basic protein. Food Control, 50, 166-172. DOI: 10.1016/j.foodcont.2014.08.026.

Rao, Q. C., & Hsieh, Y-H. P. (2014). Enhanced immunodetection of bovine central nervous tissue using an improved extraction method. Food Control, 46, 282-290. DOI: 10.1016/j.foodcont.2014.05.040.

Rao, Q. C., Fisher, M. C., Guo, M. F., & Labuza, T. P. (2013). Storage stability of a commercial hen egg yolk powder in dry and intermediate-moisture food matrices. Journal of Agricultural and Food Chemistry, 61, 8676–8686. DOI: 10.1021/jf402631y.

Rao, Q. C., Rocca-Smith, J. R., & Labuza, T. P. (2013). Storage stability of hen egg white powders in three protein/water dough model systems. Food Chemistry, 138, 1087−1094. DOI: 10.1016/j.foodchem.2012.11.082.

Rao, Q. C., & Labuza, T. P. (2012). Effect of moisture content on selected physicochemical properties of two commercial hen egg white powders. Food Chemistry, 132, 373−384. DOI: 10.1016/j.foodchem.2011.10.107.

Rao, Q. C., Rocca-Smith, J. R., & Labuza, T. P. (2012). Moisture-induced quality changes of hen egg white proteins in a protein/water model system. Journal of Agricultural and Food Chemistry, 60, 10625–10633. DOI: 10.1021/jf302402k.

Rao, Q. C., Rocca-Smith, J. R., Schoenfuss, T. C., & Labuza, T. P. (2012). Accelerated shelf-life testing of quality loss for a commercial hydrolyzed hen egg white powder. Food Chemistry, 135, 464−472. DOI: 10.1016/j.foodchem.2012.05.025.

† The underline indicates that the student was trained or is being trained in my laboratory.

Rao, Q. C., & Hsieh, Y-H. P. (2008). Competitive enzyme-linked immunosorbent assay for quantitative detection of bovine blood in heat-processed meat and feed. Journal of Food Protection, 71, 1000−1006. DOI: 10.4315/0362-028X-71.5.1000.

Hsieh, Y-H. P., Ofori, J. A., Rao, Q. C., & Bridgman, R. C. (2007). Monoclonal antibodies specific to thermo-stable proteins in animal blood. Journal of Agricultural and Food Chemistry, 55, 6720−6725. DOI: 10.1021/jf070031e.

Rao, Q. C., & Hsieh, Y-H. P. (2007). Evaluation of a commercial lateral flow feed test for rapid detection of beef and sheep content in raw and cooked meats. Meat Science, 76, 489−494. DOI: 10.1016/j.meatsci.2006.12.011.

Invited Book Chapters

Hsieh, Y-H. P., & Rao, Q. C. (2017). Gliadin detection by immunoassay. In Nielsen, S. S. (Ed.), Food Analysis Laboratory Manual 3rd ed., (pp. 207-211). Cham, Switzerland: Springer International Publishing. DOI: 10.1007/978-3-319-44127-6_25.

Hsieh, Y-H. P., & Rao, Q. C. (2017). Immunoassays. In Nielsen, S. S. (Ed.), Food Analysis 5th ed., (pp. 487-502). Cham, Switzerland: Springer International Publishing. DOI: 10.1007/978-3-319-45776-5_27.

Rao, Q. C., & Hsieh, Y-H. P. (2016). Spread and control of prion diseases in the food and feed chains. In Makun, H. A. (Ed.), Significance, Prevention and Control of Food Related Diseases. InTech. DOI: 10.5772/62118.

Magazines

Rao, Q. C. (2018). Fighting food fraud. In Florida Restaurant & Lodging Magazine, vol. Fall 2018 (pp. 42). Tallahassee, FL: Rowland Publishing.

Presentations

Invited Presentations at Conferences

Rao, Q. C., Jiang, X. Y., & Keshavarz, B. (May 2018). Matrix effect on the in vitro immunodetection of food allergens. Oral presentation at the 2018 American Oil Chemists' Society (AOCS) Annual Meeting and Exposition, Minneapolis, MN.

Rao, Q. C. (May 2015). Storage stability of food protein hydrolysates. Oral presentation at the 106th AOCS Annual Meeting, Orlando, FL.

Labuza, T. P., Ismail, B., & Rao, Q. C. (Jun 2012). Changes in stability of bioactive peptides through glycation with short dextrans. Oral presentation at the 7th EUROFOODWATER Conference on Water in Food, Helsinki, Finland.

Rao, Q. C. (Sep 2011). Detection of animal proteins in processed food products. Oral presentation at the 6th International Forum on Food Safety and 2011 Annual Meeting of MOST-USDA Joint Research Center for Food Safety, Shanghai Jiao Tong University, Shanghai, P.R. China.

Refereed Presentations at Conferences

Jiang, X. Y., Keshavarz, B., & Rao, Q. C. (2018) Matrix effect on the immunodetection of fish parvalbumin. Poster presentation at the FAFP Annual Educational Conference, Petersburg, FL.

Jiang, X. Y., Albo, J., Dong, W. Y., & Rao, Q. C. (2018) Characterization of two anti-hemoglobin monoclonal antibodies to fight food fraud. Poster presentation at the IFT Annual Meeting, Chicago, IL.

Mu, H., Jiang, X. Y., & Rao, Q. C. (2018) Characterization of a monoclonal antibody specific to hen egg allergen. Poster presentation at the IFT Annual Meeting, Chicago, IL.

Jiang, X. Y., Fuller, D., Hsieh, P. Y-H., & Rao, Q. C. (2017) Competitive enzyme-linked immunosorbent assay for the quantitative detection of porcine hemoglobin in meats. Poster presentation at the 131st AOAC Annual Meeting & Exposition, Atlanta, GA.

Wang, X. H., Wang, J., Jiang, X. Y., & Rao, Q. C. (2017) Development of biomimetic enzyme-linked immunosorbent assay based on molecular imprinting technique for the detection of enrofloxacin in animal food. Poster presentation at the 131st AOAC Annual Meeting & Exposition, Atlanta, GA.

Keshavarz, B., Rao, Q. C., & Hsieh, Y-H. P. (2017). In Vitro Identification of Potential Fish Allergens in Mullet (Mugil Cephalus) and Salmon (Salmo Salar). Poster presentation at the IFT Annual Meeting, Las Vegas, NV.

Keshavarz, B., Rao, Q. C., & Hsieh, Y-H. P. (2016). Matrix effect on the thermostability of parvalbumin from mullet and salmon. Poster presentation at the IFT Annual Meeting, Chicago, IL.

Keshavarz, B., Rao, Q. C., & Hsieh, Y-H. P. (2016). Matrix effect on the thermostability of parvalbumin from mullet and salmon. Poster presentation at the Florida Statewide Graduate Student Research Symposium, Gainesville, FL.

Chen, T., Rao, Q. C., & Labuza, T. P. (2014). Development of a fruit surface swab method for the detection of acetamiprid. Poster presentation at the IFT Annual Meeting, New Orleans, LA.

Gillman, L., Nones, M., Rao, Q. C., Labuza, T. P., & Ismail, B. (2014). Effects of moisture-induced aggregation on soy protein isolate and hydrolysate powders during accelerated shelf-life testing. Poster presentation at the IFT Annual Meeting, New Orleans, LA.

Rao, Q. C., Klaassen Kamdar, A., & Labuza, T. P. (2014). Effect of degree of hydrolysis on selected physicochemical properties of whey and casein powders. Poster presentation at the IFT Annual Meeting, New Orleans, LA.

Taterka, H., Rao, Q. C., Labuza, T. P., & Castillo, M. (2014). Kinetic analysis of the pH-specific mechanisms of denatured whey protein interaction for the development of an optical light backscatter sensor. Poster presentation at the 7th International Whey Conference, Rotterdam, The Netherlands.

Gillman, L., Rao, Q. C., Labuza, T. P., & Ismail, B. (2013). Characterization of soy protein/peptide aggregation in dry powder systems as a function of various storage conditions. Poster presentation at the IFT Annual Meeting, Chicago, IL.

Guo, M. F., Rao, Q. C., & Labuza, T. P. (2013). Storage stability of a commercial spray-dried hen egg yolk powder. Poster presentation at the IFT Annual Meeting, Chicago, IL.

Fisher, M. C., Rao, Q. C., & Labuza, T. P. (2012). Effect of temperature and humectants on hen egg protein bar quality loss during storage. Poster presentation at the IFT Annual Meeting, Las Vegas, NV.

Rao, Q. C., Rocca-Smith, J. R., & Labuza, T. P. (2012). Effect of temperature on selected physicochemical properties of a commercial hydrolyzed hen egg white powder in three different protein/water model systems. Poster presentation at the IFT Annual Meeting, Las Vegas, NV.

Rao, Q. C., Rocca-Smith, J. R., Schoenfuss, T. C., & Labuza, T. P. (2012). Effect of water activity on selected physicochemical properties of a commercial hydrolyzed hen egg white powder during storage at 45°C. Poster presentation at the IFT Annual Meeting, Las Vegas, NV.

Wang, Q., Rao, Q. C., Rudd, K., Labuza, T. P., & Ismail, B. (2012). Evaluation of storage stability of thermally treated solutions of partially glycosylated whey protein. Poster presentation at the IFT Annual Meeting, Las Vegas, NV.

Rao, Q. C., & Labuza, T. P. (2011). Effect of moisture content on glass transition and protein aggregation of egg white powder. Poster presentation at the IFT Annual Meeting, New Orleans, LA.

Rao, Q. C., & Hsieh, Y-H. P. (2010). An improved immunoassay for the detection of bovine CNS tissue in processed meat and feed products. Poster presentation at the IFT Annual Meeting, Chicago, IL.

Rao, Q. C., & Hsieh, Y-H. P. (2009). A sensitive immunoassay for the detection of raw and processed bovine brain. Poster presentation at the IFT Annual Meeting, Anaheim, CA.

Hsieh, Y-H. P., & Rao, Q. C. (2008). An improved extraction method enhances the detection of CNS tissue in processed food and feedstuffs. Presentation at the 14th International Union of Food Science and Technology (IUFoST) World Congress of Food Science and Technology, Shanghai, P.R. China.

Rao, Q. C., & Hsieh, Y-H. P. (2008). Stability of bovine myelin basic protein. Poster presentation at the IFT Annual Meeting, New Orleans, LA.

Hsieh, Y-H. P., Ofori, J. A., & Rao, Q. C. (2007). Monoclonal antibody specific to thermo-stable proteins in animal blood. Presentation at the IFT Annual Meeting, Chicago, IL.

Rao, Q. C., & Hsieh, Y-H. P. (2007). Characterization of a monoclonal antibody specific to ruminant blood. Poster presentation at the International Association for Food Protection (IAFP) Annual Meeting, Orlando, FL.

Gajewski, K., Rao, Q. C., & Hsieh, Y-H. P. (2006). Enzyme-linked immunosorbent assay (ELISA) for detection of poultry content in heat-processed meat. Poster presentation at the IAFP Annual Meeting, Calgary, Alberta, Canada.

Rao, Q. C., & Hsieh, Y-H. P. (2006). Thermal-stable marker protein in the bovine central nervous system. Poster presentation at the IFT Annual Meeting, Orlando, FL.

Rao, Q. C., & Hsieh, Y-H. P. (2005). Monoclonal antibody-based sandwich enzyme immunoassay for the detection of mammalian meat in raw, cooked and autoclaved poultry products. Poster presentation at the IFT Annual Meeting, New Orleans, LA.

Hsieh, Y-H. P., Rojas, G. R., Rao, Q. C., Bridgman, C. R., & Liu, L. H. (2004). Production and characterization of monoclonal antibodies specific to mammalian muscle protein. Presentation at the IFT Annual Meeting, Las Vegas, NV.

Rao, Q. C., & Hsieh, Y-H. P. (2004). Evaluation of a commercial MBM Strip test for rapid detection of beef and lamb adulteration in raw, cooked and autoclaved meats. Poster presentation at the IFT Annual Meeting, Las Vegas, NV.

Nonrefereed Presentations at Conferences

Albo, J., Mistilien, W., Jiang, X. Y., & Rao, Q. C. (2018). Effect of EDTA and blocking agents on the immunodetection of porcine hemoglobin. Poster presentation at the FSU Undergraduate Research Symposium, Tallahassee, FL.

Jiang, X. Y. Albo, J., & Rao, Q. C. (2018). Effect of coating and blocking agents on sandwich ELISA development for porcine blood detection. Oral presentation at the CHS Research Showcase, FSU, Tallahassee, FL.

Rao, Q. C. (2017). Enhancing education and research training of under-represented students in food safety. Poster presentation at the USDA Project Director Meeting, Morro Bay, CA.

Jiang, X. Y., & Rao, Q. C. (2017). Immunodetection of porcine hemoglobin in meat products. Oral presentation at the CHS Research and Creativity Day, FSU, Tallahassee, FL.

Keshavarz, B., Rao, Q. C. & Hsieh, Y-H. P. (2017). Identification of tropomyosin as an IgE binding protein from mullet (Mugil cephalus) and salmon (Salmo salar). Oral presentation at the CHS Research and Creativity Day, FSU, Tallahassee, FL.

Fuller, D., Jiang, X. Y., & Rao, Q. C. (2017). Effect of pH on the thermostability of porcine hemoglobin. Poster presentation at the FSU Undergraduate Research Symposium, Tallahassee, FL.

Mu, H., Jiang, X. Y., & Rao, Q. C. (2017). Characterization of a monoclonal antibody specific to α-livetin, a hen egg allergen. Poster presentation at the CHS Research and Creativity Day, FSU, Tallahassee, FL.

Samiwala, M., Jiang, X. Y., & Rao, Q. C. (2017). Development and characterization of nanoparticle substrates for the detection of food adulterants. Poster presentation at the CHS Research and Creativity Day, FSU, Tallahassee, FL.

Keshavarz, B., Rao, Q. C. & Hsieh, Y-H. P. (2016). Effect of matrix on thermostability of parvalbumin from mullet and salmon. Oral presentation at the CHS Research and Creativity Day, FSU, Tallahassee, FL.

Jiang, X. Y., & Rao, Q. C. (2016). Identification of a monoclonal antibody which is specific for porcine blood. Poster presentation at the CHS Research and Creativity Day, FSU, Tallahassee, FL.

Taylor, A., Rao, Q. C., & Labuza, T. P. (2013). Rapid detection of soy protein using surfaced enhanced Raman spectroscopy (SERS). Part one: characteristics of Raman spectra of two commercial soy protein powders. Poster presentation at the 2013 Summer Undergraduate Research Expo, UMN, Minneapolis, MN.

Rao, Q. C., Ismail, B., & Labuza, T. P. (2013). Aggregation in dry and intermediate-moisture food matrices containing protein hydrolysates (part one). Poster presentation at the USDA Project Director Meeting, Chicago, IL.

Ismail, B., Rao, Q. C., & Labuza, T. P. (2012). Aggregation in dry and intermediate-moisture food matrices containing protein hydrolysates and the effect of glycosylation. Poster presentation at the USDA Project Director Meeting, Las Vegas, NV.

Rao, Q. C. (2009). Competitive enzyme-linked immunosorbent assay for quantitative detection of bovine central nervous system tissue. Oral presentation at the Graduate Research and Creativity Expo of the Graduate School, FSU, Tallahassee, FL.

Hsieh, Y-H. P., Rao, Q. C., & Ofori, J. A. (2007). Thermal-stable marker proteins for detection of bovine central nerve system tissues and blood in feedstuffs. Poster presentation at the USDA Animal Protection & Biosecurity Project Director Workshop, Chicago, IL.

Invited Lectures and Readings of Original Work

Jun 2018	Acrylamide in foods. Delivered at JNU, Guangzhou, P.R. China
Oct 2016	Moisture content and water activity. Delivered at Florida A&M University (FAMU), Tallahassee, FL
Oct 2016	Tunnel leak, acrylamide, and foods - a food safety concern. Delivered at FAMU, Tallahassee, FL
Jun 2016	Quality change in high protein food bars during storage. Delivered at JNU, Guangzhou, P.R. China
May 2016	Food protein aggregation in different sample model systems. Delivered at Zhengzhou Tobacco Research Institute, Zhengzhou, P.R. China
Oct 2014	Possible mechanisms of hardening in high protein food bars. Delivered at NFES, FSU, Tallahassee, FL
Aug 2012	Storage stability of food protein hydrolysate powders. Delivered at Davisco Foods International, Inc., Eden Prairie, MN

Exhibitions

Invited Exhibition

Mar 2018 Fighting food fraud. Discovery on Parade. Tallahassee, FL
Feb 2018 Fighting food fraud. FSU Day at the Capitol. Tallahassee, FL
Feb 2017 Fighting food fraud. Discovery on Parade. Tallahassee, FL
Oct 2014 Fighting food fraud. The 6th Annual Sneak Peek. Tallahassee, FL

Contracts and Grants

Contracts and Grants Funded

PI Sep 2018–Aug 2020. Assay development for the detection of the major fish allergen in foods. Funded by National Institute of Food and Agriculture (NIFA), USDA (2018-70001-28759). $150,000
PI Aug 2018. Material Transfer Funding from NanoBio Lab (Singapore). $3,425
PI Jun 2018. Material Transfer Funding from NanoBio Lab (Singapore). $2,770
PI May 2018–May 2019. Materials Grant. Funded by FSU Undergraduate Research Opportunity Program (UROP). $1,000
PI Apr–Jun 2018. Provost's Faculty Travel Grant. Funded by FSU Provost's Faculty Travel Grant Program. $1,000
PI Jan 2018. Material Transfer Funding from Artron Laboratories Inc. (Burnaby, BC, Canada). $500
PI Apr–May 2017. Funding Agency Travel (FAT) Grant. Funded by FSU CRC Program. $1,000
PI Mar–Aug 2017. Recipient: Keshavarz, B. Dissertation Research Grant. Funded by FSU Graduate School. $1,000
PI Feb 2017. Material Transfer Funding from Alfaisal University (Riyadh, Saudi Arabia). $425
PI Jan 2017–Dec 2019. Monoclonal antibody-based immunoassays for the detection of hemoglobin from major livestock. Funded by Hebei Animal Disease Prevention and Control Center, P.R. China. $22,592.39
PI Jan 2017–Jan 2018. Recipient: Samiwala, M. Development of SERS-based competitive immunoassay for the detection of tropomyosin. Funded by Sigma Xi Grant-in-Aid of Research (GIAR) Program. $631
PI Dec 2016–Dec 2017. Quality assessment of dairy bioactive peptides in intermediate-moisture foods during storage. Funded by FSU CRC Planning Grant Program. $13,000
PI Jan 2017–Dec 2019. Co-PI: Sathe, S. K., & Ananga, A. Enhancing education and research training of underrepresented students in food safety. Funded by USDA-NIFA (2017-70001-25984). $300,000
PI May–Aug 2016. Immunodetection of bovine β-lactoglobulin using surface-enhanced Raman spectroscopy. Funded by FSU CRC First Year Assistant Professor Grant Program. $20,000
PI Oct 2015–Feb 2016. Commercialization of immunoassay for food safety. Funded by FSU Technology Commercialization Accelerator Program. $3,000
Co-PI Nov 2014–Dec 2015. PI: Hsieh, Y-H. P. Detection of food ingredients derived from animal blood. Funded by FSU Research Foundation GAP Grant Program. $40,000

Co-PI	Jan–Dec 2014. PI: Labuza, T. P. Technology review for dairy protein glycosylation. Funded by Midwest Dairy Association Literature Review Program. $5,000
Co-PI	Dec 2012–Jul 2015. PI: Labuza, T. P. Development of a rapid in-plant method for the detection of dairy proteins in processed meat products. Funded by Dairy Research Institute. $92,991
Co-PI	Oct 2012–Sep 2013. PI: Labuza, T. P. Characterization of milk protein aggregates in intermediate moisture food matrix during storage. Funded by Cryo-TEM and Electron Tomograph SEED project, UMN. $1,500
Co-PI	Dec 2011–Nov 2014. PI: Labuza, T. P. Aggregation in dry and intermediate-moisture food matrices containing protein hydrolysates. Funded by USDA-NIFA (2012-67017-30154). $500,000
Co-PI	Oct 2011–Sep 2012. PI: Labuza, T. P. Physicochemical changes leading to loss of functionality of protein hydrolysates in engineered foods and modalities to control such changes. Funded by Midwest Dairy Association Literature Review Program. $5,000
Recipient	Apr–Jun 2007. Monoclonal antibody-based enzyme immunoassays for the detection of bovine central nervous system tissues for food safety. Funded by CHS Dissertation Award Program, FSU. $500

Postdoctoral Supervision

Jing Zhao	Jan–Sep 2015 (volunteer)	Assistant Professor at California State University, Los Angeles

Visiting Scholar Supervision

Caihuan Huang	Aug 2018–Aug 2019	Visiting scholar from P.R. China Major: Food Science and Technology
Weiya Dong	May–Nov 2018	Visiting scholar from P.R. China Major: Veterinary Science
Anibal Barrios-Quant	Nov 2017–May 2018	Visiting undergraduate student from Columbia Major: Chemical Engineering
Xianghong Wang	Aug 2017–Feb 2018	Visiting professor from P.R. China Major: Food Science
Yangxi Jia	Sep 2016–Feb 2017	Visiting M.S. student from P.R. China Major: Food Engineering
Adriane Mocelin	May–Jul 2015	Visiting undergraduate student from Brazil Major: Food Science and Technology
Ana Paula	May–Jul 2015	Visiting undergraduate student from Brazil Major: Food Science and Technology
Nathalia Medeiros	Jan–May 2015	Visiting undergraduate student from Brazil Major: Food Engineering

Service

Florida State University

FSU University Service

2014–present Member, Council on Entrepreneurship

FSU College Service

2017–present Member, College Scholarship Committee
2016–present Member, College Information Technology Committee

FSU Department Service

2017–present Member, Undergraduate Committee
2015–present Member, Space Committee
2017 Member, Nutrition Science Faculty Search Committee
2015–2017 Chair, Food Science Faculty Search Committee

Outside the University

2018–present Member, Florida Food Safety and Food Defense Advisory Council

The Profession

Editorial Board Membership(s)

Food Control	Since 2013

Guest Reviewer for Refereed Journals

Food Research International	Since 2018
LWT - Food Science and Technology	Since 2017
Sensors	Since 2017
Food & Function	Since 2017
Food Hydrocolloids	Since 2016
Food Analytical Methods	Since 2015
African Journal of Microbiology Research	Since 2013
Food Science and Human Wellness	Since 2013
Food Bioscience	Since 2012
Food Chemistry	Since 2012
Food Science (P.R. China)	Since 2012
Food Biophysics	Since 2011
Journal of Agricultural and Food Chemistry	Since 2011

Agriculture, Food and Analytical Bacteriology	Since 2010
Food Control	Since 2010
Journal of Food Science	Since 2010
Meat Science	Since 2010

Symposium

Jul 2018	USDA Mini-Conference. FSU, Tallahassee, FL
Feb 2018	Pilgrim's/Key University WebEx. FSU, Tallahassee, FL
Jul 2016	Co-chair. Nanotechnology and Food: What are the Opportunities and Challenges? IFT Annual Meeting, Chicago, IL

Reviewer or Panelist for Grant Applications

2018	USDA Exploratory Research Program
2017–2018	USDA Capacity Building Grands for Non-Land Grant Colleges of Agriculture Program
2014–2015, 2017–2018	NSF Graduate Research Fellowship Program

Service to Professional Associations

2015–present	Secretary, Chinese American Food Society (CAFS)
2012–present	General Referee and Reviewer, AOAC International Research Institute
2015–2016	Newsletter Editor, CAFS
2016–2017	IFT Nicolas Appert Award Juror
2015–2016	IFT Annual Meeting Hot Topics Work Group Member
2011, 2013−2015, 2018	IFT Samuel Cate Prescott Award Juror
2013–2015	IFT Annual Meeting Scientific Program Track Team Reviewer
2012	IFT Annual Meeting Student Oral Professional Development Session Moderator/Judge