

---

## CURRICULUM VITAE

**HEA JIN PARK, PHD**  
 Department of Nutritional Sciences  
 University of Georgia  
 269 Dawson Hall, Athens, GA 30602  
 Email: hjpark@uga.edu

---

### PROFESSIONAL EXPERIENCE

Associate Professor	University of Georgia, Department of Nutritional Sciences	2021-
Assistant Professor	University of Georgia, Department of Foods and Nutrition	2015-2021
Assistant Professor, Limited Term		2013-2015
	University of Georgia, Department of Foods and Nutrition	
Research Professional	University of Georgia, Center for Tropical & Emerging Global Diseases	2010-2013

### EDUCATION AND TRAINING

Research Scientist	University of Connecticut, Department of Nutritional Sciences	2008-2010
Post-Doctoral Fellow	University of Georgia, Department of Animal and Dairy Sciences	2005-2008
Ph.D.	Ewha Womans University, Korea	2001-2005

### PUBLICATIONS

#### Peer-reviewed Journal Articles (#denotes UGA student, \*denotes corresponding authorship)

1. EE Kaiser, ES Waters, X Yang, MM Fagan, KM Scheulin, S Sneed, S Cheek, **J Jeon#**, S Shin, HA Kinder, A Kumar, SR Platt, KJ Duberstein, **HJ Park**, J Xie, FD West. Tanshinone IIA-loaded nanoparticle and neural stem cell therapy enhances recovery in a pig ischemic stroke model. Under review, 2022
2. **J Barta#**, SJ Kim, **HJ Park\***. Elevated pro-inflammatory nutrient intakes in US adults with a self-reported head injury with loss of consciousness. under review, 2022
3. **X Fang#**, S Rayalam, **HJ Park\***. DHA supplementation and infant brain development: Role of gut microbiome. under review, 2022
4. ES Waters, EE Kaiser, X Yang, MM Fagan, KM Scheulin, **J Jeon#**, SK Shin, HA Kinder, A Kumar, SR Platt, KJ Duberstein, **HJ Park**, J Xie, FD West. Intracisternal administration of tanshinone IIA-loaded nanoparticles leads to reduced tissue injury and functional deficits in a porcine model of ischemic stroke. *IBRO Reports*, 5;10: 18-30, 2021
5. **J Jeon#**, J Lourenco, EE Kaiser, ES Waters, KM Scheulin, **X Fang#**, HA Kinder, SR Platt, MJ Rothrock Jr, TR Callaway, FD West, **HJ Park\***. Dynamic changes in the gut microbiome at the acute stage of ischemic stroke in a pig model. *Frontiers in Neuroscience*, 3;14: 587986, 2020
6. **X Fang#**, W Sun, **J Jeon#**, M Azain, H Kinder, J Ahn, HC Chung, Q Zhao, S Rayalam, **HJ Park\***. Perinatal docosahexaenoic acid supplementation improves cognition and alters brain functional organization in piglets. *Nutrients*, 15; 12(7): E2090, 2020
7. EE Kaiser, ES Waters, MM Fagan, KM Scheulin, SR Platt, **J Jeon#**, **X Fang#**, HA Kinder, SK Shin, KJ Duberstein, **HJ Park**, FD West. Characterization of tissue and functional deficits in a clinically translatable pig model of acute ischemic stroke. *Brain Research*, 1;1736:146778, 2020

8. **X Fang#**, M Azain, K Crowe-white, JL Mumaw, JA Grimes, C Schimdt, M Barletta, S Rayalam, **HJ Park\***. Effect of acute ingestion of green tea extract and lemon juice on oxidative stress and lipid profile in pigs fed high-fat diet. *Antioxidants (Basel)*, 23;8(6): 195, 2019
9. **X Fang#**, J Chung, E Olsen, Snider I, Earls RH, **JH Jeon#**, **HJ Park\***, JK Lee. Depletion of Regulator-of-G-protein signaling-10 in mice exaggerates high-fat diet-induced insulin resistance and inflammation, and this effect is mitigated by dietary green tea extract. *Nutrition Research*, 70: 50-59, 2019
10. G Simchick, A Shen, B Campbell, **HJ Park**, FD West, Q Zhao. Pig brains have homologous resting state networks to human brains. *Brain Connectivity*, 9(7): 566-579, 2019
11. AK Knight, **HJ Park+**, DB Hausman, **J Fleming#**, V Andersen, G Rosa, M Caudill, O Malysheva, GPA Kauwell, A Sokolow, S Fisher, AK Smith, LB Bailey. Association between one-carbon metabolism indices and DNA methylation status in maternal and cord blood. *Scientific Reports*, 15 ;8(1):16873, 2018
12. RA Reed, M Barletta, JA Grimes, JL Mumaw, **HJ Park**, **X Fang#**, M Azain, S Giguere, and JE Quandt. Accuracy of an oscillometric blood pressure monitor in anesthetized pigs. *Laboratory Animals*. 52(5):490-496, 2018
13. NM Hohos, AK Smith, **HJ Park**, DB Hausman, LB Bailey, DC Shade, RB Meagher. CD4+ and CD8+ T cell-specific DNA cytosine methylation differences associated with obesity. *Obesity (Silver Spring)*, 26(8): 1312-1321, 2018
14. **Park HJ\***, Bailey LB, Shade DC, Hausman DB, Hohos NM, Meagher RB, Kauwell GP, Lewis RD, Smith AK. Distinctions in gene-specific changes in DNA methylation in response to folic acid supplementation between women with normal weight and obesity. *Obesity Reserach and Clinical Practice*. 11(6): 665-676, 2017.
15. DC Shade, **HJ Park\***, DB Hausman, Hohos NM, RB Meagher, GPA Kauwell, V Kilaru, RD Lewis, AK Smith, LB Bailey. DNA Methylation Changes in Whole Blood and CD16+ Neutrophils in Response to Chronic Folic Acid Supplementation in Women of Childbearing Age. *International Journal for Vitamin and Nutrition Research*. 87 (5-6):271-278, 2017
16. **JD Gordon#**, DB Hausman, LB Bailey, RD Lewis, EM Laing, **HJ Park\***. Impact of gluten-containing foods on folate intake of women of childbearing age. *The Digest, Research Dietetics Practice Group's newsletter*, 51(1): 2-7, 2016
17. MY Chung, E Mah, C Masterjohn, SK Noh, **HJ Park**, RM Clark, YK Park, JY Lee, RS Bruno. Green Tea Lowers Hepatic COX-2 and prostaglandin E2 in rats with dietary fat-induced nonalcoholic steatohepatitis. *Journal of Medicinal Food*, 18(6) : 648-55, 2015
18. E Mah, SK Noh, KD Ballard, **HJ Park**, JS Volek, RS Bruno. Supplementation of a  $\gamma$ -tocopherol-rich mixture of tocopherols in healthy men protects against vascular endothelial dysfunction induced by postprandial hyperglycemia. *Journal of Nutritional Biochemistry* 24(1):196-203, 2013
19. **HJ Park**, JY Lee, MY Chung, YK Park, AM Bower, SI Koo, C Giardina, RS Bruno. Green tea extract suppresses NF $\kappa$ B activation and inflammatory responses in diet-induced obese rats with nonalcoholic steatohepatitis. *Journal of Nutrition*. 142(1):57-63. 2012
20. MY Chung, **HJ Park**, JE Manautou, SI Koo, RS Bruno. Green tea extract protects against nonalcoholic steatohepatitis in ob/ob mice by decreasing oxidative and nitrative stress responses induced by pro-inflammatory enzymes. *Journal of Nutritional Biochemistry*. 23(4):361-7. 2012
21. JM Bustamante, **HJ Park**, RL Tarleton. Report of the 2nd Chagas Drug Discovery Consortium meeting, held on 3 November 2010; Atlanta GA, USA. *Expert Opinion on Drug Discovery*. 6(9):965-73. 2011
22. Y Yang, JM Seo, A Nguyen, TX Pham, **HJ Park**, Y Park, B Kim, RS Bruno, J Lee. Astaxanthin-rich extract from the green alga *Haematococcus pluvialis* lowers plasma lipid concentrations and enhances antioxidant defense in apolipoprotein E knockout mice. *Journal of Nutrition*. 141(9):1611-7. 2011
23. DC Montrose, NA Horelik, JP Madigan, GD Stoner, L Wang, RS Bruno, **HJ Park**, C Giardina, DW Rosenberg. Anti-inflammatory effects of freeze-dried black raspberry powder in ulcerative colitis. *Carcinogenesis*, 32(3):343-50. 2011
24. **HJ Park**, DD DiNatale, M-Y Chung, Y-K Park, J-Y Lee, SI Koo, M O'Connor, JE Manautou, RS Bruno. Green tea extract attenuates hepatic steatosis by decreasing adipose lipogenesis and enhances hepatic antioxidant defenses in ob/ob mice. *Journal of Nutritional Biochemistry*, 22(4):393-400, 2011

25. MY Chung, SF Yeung, **HJ Park**, JS Volek, RS Bruno. Dietary  $\alpha$ - and  $\gamma$ -tocopherol supplementation attenuates lipopolysaccharide-induced oxidative stress and inflammatory-related responses in an obese mouse model of nonalcoholic steatohepatitis. *Journal of Nutritional Biochemistry*, 21(12): 1200-6, 2010
26. **HJ Park**, E Mah, RS Bruno. Validation of high-performance liquid chromatography-boron-doped diamond detection for assessing hepatic glutathione redox status. *Analytical Biochemistry*, 15: 407(2): 151-9, 2010
27. **HJ Park**, RS Bruno. Hepatoprotective activities of green tea in nonalcoholic fatty liver disease. *AGRO FOOD INDUSTRY HI-TECH*, 21(n1): 37-40, 2010
28. **HJ Park**, SR Davis, H Liang, D Rosenberg, RS Bruno. Chlorogenic acid differentially alters hepatic and small intestinal thiol redox status without protecting against Azoxymethane-induced colon carcinogenesis in mice. *Nutrition and Cancer*, 62(3): 362-70, 2010
29. **HJ Park**, MA Della-Fera, DB Hausman, S Rayalam, S Ambati, CA Baile. Genistein inhibits differentiation of primary human adipocytes. *Journal of Nutritional Biochemistry*, 20(2):140-8, 2009
30. JY Yang, MA Della-Fera, S Rayalam, **HJ Park**, S Ambati, DB Hausman, DL Hartzell, and CA Baile. Regulation of adipogenesis by medium-chain fatty acids in the absence of hormonal cocktail. *Journal of Nutritional Biochemistry*, 20(7): 537-43, 2009
31. S Raylam, JY Yang, MA Della-Fera, **HJ Park**, S Ambati, CA Baile. Anti-obesity effects of xanthohumol plus guggulsterone in 3T3-L1 adipocytes. *Journal of Medicinal Food*, 12(4): 846-53, 2009
32. S Ambati, JY Yang, S Rayalam, **HJ Park**, MA Della-Fera, CA Baile. Ajoene exerts potent effects in 3T3-L1 adipocytes by inhibiting adipogenesis and inducing apoptosis. *Phytotherapy Research*, 23(4):513-8, 2009
33. **HJ Park**, JY Yang, S Ambati, MA Della-Fera, DB Hausman, S Rayalam, CA Baile. Combined Effects of Genistein, Quercetin and Resveratrol on Adipogenesis and Apoptosis in Primary Human Adipocytes and 3T3-L1 Adipocytes. *Journal of Medicinal Food*, 11(4):773-83, 2008
34. **HJ Park**, S Rayalam, MA Della-Fera, S Ambati, CA Baile. Withaferin A induces apoptosis and inhibits adipogenesis in 3T3-L1 adipocytes. *Biofactors*, 33(2):137-48, 2008
35. DB Hausman, **HJ Park**, GJ Hausman. Isolation and culture of preadipocytes from rodent white adipose tissue. *Methods in Molecular Biology*. 456:201-19, 2008
36. S Rayalam, MA Della-Fera, S Ambati, JY Yang, **HJ Park**, CA Baile. Enhanced Effects of 1,25(OH)<sub>2</sub>D<sub>3</sub> plus genistein on adipogenesis and apoptosis in 3T3-L1 adipocytes. *Obesity (Silver Spring)*, 1-8, 2008
37. JY Yang, MA Della-Fera, S Rayalam, S Ambati, D Hartzell, **HJ Park**, CA Baile. Enhanced inhibition of adipogenesis and induction of apoptosis in 3T3-L1 adipocytes with combinations of resveratrol and quercetin. *Life Sciences*, 82: 1032-1039, 2008
38. S Rayalam, MA Della-Fera, JY Yang, **HJ Park**, S Ambati, CA Baile. Potentiation of anti-adipogenic and proapoptotic effects with genistein plus resveratrol in 3T3-L1 adipocytes. *Journal of Nutrition*, 137(12):2668-73, 2007
39. JM Lee, **HJ Park**. Effects of supplementary diet on iron status and development in infants. *Korean J Nutrition* 38(3): 226-231, 2005
40. JM Lee, **HJ Park**, SM Park. A survey on eating behaviors of preschool children for development snack. *Korean J Food Culture* 18(2): 151-159, 2003
41. JM Lee, **HJ Park**, JY Ha. Plant resources investigation to develop supplement food for infant. *Korean J Food Culture* 17(5): 646-652, 2002
42. JM Lee, M Kim, **HJ Park**. A study on nutrient intake and dietary behavior of housewife and female college student in Yanbien. *Korean J Dietary Culture* 16(1): 33-42, 2001
43. JM Lee, WK Cho, **HJ Park**. Effects of chitosan treated with enzymatic methods on glucose and lipid metabolism in rats. *Korean J Nutrition* 31(7): 1112-1120, 1998

## RESEARCH SUPPORT (ACTIVE)

Abbott Laboratories

2021-2023

Title: Impact of maternal intake of vitamin supplements on growth, neurodevelopment, and neurocognitive function of offspring

USDA National Institute of Food and Agriculture

2020-2022

Title: The effects of maternal supplementation of eggs and docosahexaenoic acid on gut microbiome and cognitive development in an infant piglet model

Egg Nutrition Center

2020-2022

Title: Effect of Perinatal intake of eggs plus DHA on cognitive development: A study into the Neurotrophins

**TEACHING EXPERIENCE**

FDNS2100H Human Nutrition and Food, Honors

FDNS4630/6630 Cultural Aspects of Foods and Nutrition

FDNS8550 Nutrition and Disease Processes II

**PROFESSIONAL SERVICE**

**Editorial Board Memberships for Journals**

Nutrition Research

Journal of Korean Society of Food Culture

Frontiers in Animal Science – Animal Nutrition

**Ad Hoc Manuscript Reviewer**

Journal of Nutritional Biochemistry, Brain behavior and immunity, International Journal of Obesity, PlosOne, Nutrition Research, Phytotherapy Research, Journal of Translational Medicine, Beneficial microbes, International Journal for Vitamin and Nutrition Research