

CURRICULUM VITAE

I. ACADEMIC HISTORY

Name: Hea Jin Park
Highest degree awarded: Ph.D., Department of Foods and Nutrition
Ewha Womans University, Seoul, South Korea

PAcademic Positions:

Aug 2021 - Present Associate Professor
Department of Nutritional Sciences
University of Georgia, Athens, GA

Jan 2020 - Present Courtesy faculty (with Graduate faculty status)
Department of Animal and Dairy Science
University of Georgia, Athens, GA

Aug 2015 – Jul 2021 Assistant Professor
Department of Foods and Nutrition
University of Georgia, Athens, GA

II. TEACHING EXPERIENCE

Courses Taught:

FDNS 2100H (NUTR 2100H) Human Nutrition and Foods, Honors
Every other Spring semester

FDNS 4630/6630 (NUTR 4630/6630) Cultural Aspects of Foods and Nutrition
Every Fall semester

FDNS 8550 (NUTR 8550) Nutrition and Disease Processes II
Every other Spring semester

Undergraduate Research Courses:

FDNS 3010 (NUTR 3010), ADSC 4960, ADSC 4960R, ADSC 4970, ADSC 4970R,
ADSC 4980R, BIOL 4960R

Graduate Research Courses:

FDNS 7000 (NUTR 7000), FDNS 7300 (NUTR 7300), FDNS 8580, FDNS 8900 (NUTR 8900),
FDNS 9000 (NUTR 9000), FDNS 9300 (NUTR 9300)

III. PATENTS

Title: Xanthohumol compositions and methods of using same. CA Baile, MA Della-Fera, HJ Park, JY Yang, S Rayalam. Patent No. US 8,101.213 B2. Date of Patent awarded: Jan. 24, 2012

VI. SELECTED PUBLICATIONS (*Corresponding author, #Student under my direction, +Co-first author)

Complete List of Published Work in MyBibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/1piAou-mJRk1EL/bibliography/public/>

1. I Ahmed, W Revees, W Sun, ST Dubroff#, J Zukaitis, FD West, HJ Park, Q Zhao. Nutritional supplement induced modulations in the functional connectivity of a porcine brain. *Nutritional Neurosciences*, In Press, 2023
2. EE Kaiser, ES Waters, X Yang, MM Fagan, KM Scheulin, SE Sneed, S Cheek, J Jeon#, S Shin, H 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. *Stem Cells Translational Medicine*. 2022
3. J Jeon#, JM Lourenco, MM Fagan, C Welch, SE Sneed, ST Dubrof, KJ Duberstein, TR Callaway, FD West, HJ Park*. Changes in Oral Microbial Diversity in a Piglet Model of Traumatic Brain Injury. *Brain Sciences*. 2022
4. Y Li, J Feng, HJ Park, H Prabhakar, F Kong. Effect of cinnamon on starch hydrolysis of rice pudding: comparing static and dynamic in vitro digestion models. *Food Research International*, 2022
5. Y Li, HJ Park, CC Akoh, F Kong. Predicting intestinal effective permeability of different transport mechanisms: comparing ex vivo porcine and in vitro dialysis models. *Journal of Food Engineering*, 2022
6. J Barta#, SJ Kim, HJ Park*. Energy-dense diets lower in protein, antioxidants, and omega-3 fatty acids among US adults with a self-reported head injury with loss of consciousness: A nationwide study, NHANES 2011-2014. *Nutrition Research*, 2022
7. 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
8. 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
9. 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
10. 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
11. 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
12. 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

13. 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
14. 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
15. 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
16. 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 Research and Clinical Practice*. 11(6): 665-676, 2017.
17. 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
18. AK Knight, JM Craig,... Park HJ,... AK Smith. An epigenetic clock for gestational age at birth based on blood methylation data. *Genome Biology*. 2016 Oct 7;17(1):206. doi: 10.1186/s13059-016-1068-z. PubMed PMID: 27717399; PubMed Central PMCID: PMC5054584.
19. HJ Park, JY Lee, MY Chung, YK Park, AM Bower, SI Koo, C Giardina, RS Bruno. Green tea extract suppresses NFkB 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. 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
22. 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
23. 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
24. 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
25. 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

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27. DB Hausman, HJ Park, GJ Hausman. Isolation and culture of preadipocytes from rodent white adipose tissue. *Methods in Molecular Biology*. 456:201-19, 2008