Dorothy Teegarden, PhD
Curriculum Vitae

Professor
Department Nutrition Science
College of Health and Human Sciences
Purdue University
700 Mitch Daniels Blvd
West Lafayette IN 47907

Office: 765-494-8246
email: teegarden@purdue.edu
Nutrition Science Website
Laboratory Website

Education

1990-1993 **Postdoctoral Fellowship**, Department of Foods and Nutrition (Mentor: Connie Weaver, Purdue University, West Lafayette, IN

1987-1990 **Postdoctoral Fellowship**, Department of Biochemistry (Mentor: Claudia Kent), Purdue University, West Lafayette, IN

1987 **Ph.D**. Human Nutrition and Nutritional Biology, The University of Chicago, Chicago IL

1976 **Bachelor of Science**, Biology, Antioch University, Yellow Springs OH

Professional Appointments

2022-present **Associate Director**, Purdue Institute for Cancer Research, Cancer Research Training and Education Program Coordinator

2021-present **Lead**, US branch of the International Breast Cancer and Nutrition program

2021-present **Lead**, Purdue collaboration with Institut de Cancerologie (France)

2019-present **Director**, Women's Global Health Institute

2006-present **Professor,** Department of Nutrition Science

2019-2021 **Founder and Lead**, College of Health and Human Sciences Undergraduate Research Honors Scholars Program

2012-2019 **Associate Dean for Research and Graduate Programs**, Health and Human Sciences

2011-2012 **Associate Head for Research**, Nutrition Science Department, Purdue University

2011-2012 **Interim Director**, Interdepartmental Nutrition Program, Purdue University

2012-2016 **Lead, Obesity and Cancer Discovery Group**, Purdue Center for Cancer Research

2012-2015 **Editorial Board**, Journal of Cancer Education

2011-2012 **Associate**, Discovery Learning Research Center, Purdue University

2011-2014 **Member**, Butler Center for Leadership Excellence Purdue Women Lead Advisory Committee

2011-2012 **Fellow**, Committee on Institutional Cooperation-Academic Leadership Program

2009-2016 **Executive Committee**, Breast Cancer Discovery Group, Purdue Center for Cancer Research

2008-2019 **Founder and Director**, Cancer Prevention Internship Program, Purdue University

2008-2020 **Executive Committee**, International Breast Cancer and Nutrition Research Team

2005-2018 **Executive Committee**, Oncological Sciences Center, Purdue University

2005-2017 **Lead**, Cancer Prevention Program, Oncological Sciences Center, Purdue University

2000-2006 **Associate Professor**, Department of Foods and Nutrition, Purdue University

1994-2000 **Assistant Professor**, Department of Foods and Nutrition, Purdue University

Honors and Awards

Featured Celebrate Purdue Women, Susan Bulkeley Butler Center for Leadership Excellence, January 2024

Featured Speaker Women's Network Cocktails and Conversation Series October, 2023

Recipient 2023 Outstanding Cancer Research Award, Lafayette Lions Club

Recipient 2022 Violet Haas Award, Purdue University

Recipient College of Health and Human Sciences 2022 Career Research Achievement Award

Recipient Purdue University 2015 Provost's Award for Outstanding Graduate Mentor

Recipient College of Health and Human Sciences 2015 Outstanding Graduate Mentor Award

Recipient University Faculty Scholar, 2011-2016

Recipient Purdue Seed for Success Research Award, 2005, 2009, 2011, 2014, 2019

Recipient Susan Bulkeley Butler Mentorship Award, 2012

Recipient Gamma Sigma Delta Award of Merit (Research), Purdue Chapter, 2006

Recipient Department of Foods and Nutrition Teaching Award, 2003-2004

Recipient Who's Who Among America's Teachers, 2000

Recipient American Cancer Society, Research Scholar Grant, 1997

Recipient National Institute of Health Postdoctoral Research Fellowship, 1987-1990

Memberships in academic, professional and scholarly societies.

1987-present American Society of Nutrition

2019-present American Association for Cancer Research

2016-present Purdue Institute for Inflammation, Immunology and Infectious Disease

2009-present Purdue Life Sciences Interdisciplinary Graduate Program, Purdue University

2007-present Ingestive Behavior Research Center

2000-present Purdue University Institute for Cancer Research, Purdue University

Peer-Reviewed Publications (*graduate student mentored by Dr. Teegarden, ***undergraduate student)

My NCBI Bibliography:

1. sChemNET: A deep learning framework for predicting small molecules targeting microRNAs. Galeano D, Imrat, Haltom J, Andolino C, Yousey A, Zaksas V, Das S, Baylin SB, Wallace DC, Slack FJ, Enguita FJ, Syrkin Wurtele E, **Teegarden D**, Meller R, Cifuentes D, Beheshti A. Nature Biotech, **in second review.**
2. Kulkoyluoglu Cotul E, Safdar M, Paez J, Kulkarni A, Ayers M, Lin H, Xianyu Z, **Teegarden D**, Hursting S, and Wendt M. FGFR1 signaling facilitates obesity-driven pulmonary outgrowth in metastatic breast cancer. Mol Canc Res 2023 Dec 28. doi: 10.1158/1541-7786.MCR-23-0955. Online ahead of print.
3. Coleman MF, Cotul EK, Pfeil AJ, Devericks EN, Chen H, Kiesel VA*, Safdar M, **Teegarden D**, Hursting SD, Wendt MK. (2022) Hypoxia-mediated suppression of pyruvate carboxylase drives tumor microenvironment immunosuppression. bioRxiv Cold Spring Harbor Laboratory. Cancer Research, **in second review**.
4. Sheeley MP*, Kiesel VA*, Andolino C*, Lanman NA, Donkin SS, Hursting SD, Wendt MK, **Teegarden D**. (2022) 1α,25-dihydroxyvitamin D reduction of MCF10A-*ras* cell viability in extracellular matrix detached conditions is dependent on regulation of pyruvate carboxylase. Journal of Nutritional Biochemistry 109: 109116.
5. Kiesel VA*, Sheeley MP*, Donkin SS, Wendt MK, Hursting SD, **Teegarden D** (2022) Hypoxia-mediated ATF4 induction promotes survival in detached conditions in metastatic murine mammary cancer cells. Frontiers in Oncology, June, Volume 12, Article 767479.
6. Kiesel VA*, Sheeley MP*, Donkin SS, Wendt MK, Hursting SD, **Teegarden D** (2022). Increased Ammonium Toxicity in Response to Exogenous Glutamine in Metastatic Breast Cancer Cells. Metabolites, *12*(5), 469, https://doi.org/10.3390/metabo12050469.
7. Zembroski AS, Andolino C*, Buhman KK, **Teegarden D**. (2021) Proteomic characterization of cytoplasmic lipid droplets in human metastatic breast cancer cells. Frontiers in Oncology, 01 June https://doi.org/10.3389/fonc.2021.576326.
8. Hammons A, Fiese B, Koester B, Garcia G, Parker L, **Teegarden D**. (2019) Interdisciplinary web-based video series is effective at increasing knowledge and research related abilities in undergraduates. Innovations in Education and Teaching International.
9. Fiese B, Hammons A, Koester B, Garcia G, Parker LC, **Teegarden D** (2019) Transdisciplinary Obesity Prevention Research Sciences (TOPRS) Curriculum Increases Knowledge about Complex Causes and Consequences of Obesity for Undergraduate Students; Frontiers in Public Health 7:Article 232.
10. Larrick B*, Kim K-H, Donkin SD, **Teegarden D**. (2018) 1,25-Dihydroxyvitamin D regulates lipid metabolism and glucose utilization in differentiated 3T3-L1 adipocytes. Nutr Res 58:72-83. PMID: 30340817
11. Shinde A, Wilmanski T*, Chen H**, **Teegarden D**, Wendt M. (2018) Pyruvate carboxylase supports the pulmonary tropism of metastatic breast cancer. Breast Cancer Res. 13;20(1):76. doi: 10.1186/s13058-018-1008-9. PMID: 30005601
12. Chae, H***, Wilmanski T*, **Teegarden D**. (2018) The Role of Vitamin D in Breast Cancer: Investigating Potential Inhibition Through Matrix Metalloproteinase 2. Journal of Purdue Undergraduate Research.
13. Wilmanski T*, Zhou X*, Zheng W*, Shinde A, Donkin SS, Wendt M, Burgess JR, **Teegarden** D. (2017) Inhibition of pyruvate carboxylase by 1α,25-dihydroxyvitamin D

promotes oxidative stress in early breast cancer progression. Cancer Lett. 2017 Oct 9;411:171-181. PMID: 29024812.

14. 'We are pleased to include your research published in **"Cancer Letters"** among the influential few studies to be featured in our edition of Research Insights which will appear both online and in our nationally syndicated publications.

15. Wilmanski T*, Buhman K, Donkin SS, Burgess JR, **Teegarden** D. (2016) 1α,25-dihydroxyvitamin D inhibits de novo fatty acid synthesis and lipid accumulation in metastatic breast cancer cells through down-regulation of pyruvate carboxylase. J Nutr Biochem 40:194-200.

16. Wilmanski T*, Barnard A*, Parikh MR, Kirshner J, Buhman K, Burgess J, **Teegarden D**. (2016) 1α,25-Dihydroxyvitamin D Inhibits the Metastatic Capability of MCF10CA1a and MDA-MB-231 Cells in an *In Vitro* Model of Breast to Bone Metastasis. Nutr Cancer. 68(7):1202-9. PMID: 27552186

17. Zhou X*, Zheng W*, Nagana Gowda GA, Raftery D, Donkin SS, Bequette B, **Teegarden D**. (2016) J Steroid Biochem Mol Biol. 1,25-Dihydroxyvitamin D inhibits glutamine metabolism in Harvey-ras transformed MCF10A human breast epithelial cell. J Steroid Biochem Mol Biol. 163:147-56. PMID: 27154413

18. Arentson-Lantz EJ, Zou M, **Teegarden D**, Buhman KK, Donkin SS. (2016) Maternal high fructose and low-protein consumption during pregnancy and lactation share some but not all effects on early-life growth and metabolic programming of rat offspring. Nutr Res. 32(8):588-98. PMID: 22935342

19. Lubecka K, Kurzava L, Flower K, Buvala H, Zhang H, **Teegarden D**, Camarillo I, Suderman M, Kuang S, Andrisani O, Flanagan JM, Stefanska B. (2016) Stilbenoids, resveratrol and pterostilbene, remodel the DNA methylation patterns in breast cancer cells and epigenetically silence oncogenic NOTCH signaling. Carcinogenesis 37(7):656-68. PMID: 27207652

20. Zheng W*, Tayyari F, Gowda GA, Raftery D, McLamore ES, Porterfield DM, Donkin SS, Bequette B, **Teegarden D**. (2015) Altered glucose metabolism in Harvey-*ras* transformed MCF10A cells. Molecular Carcinogenesis Feb; 54(2):111-20. PMID: 24000146

21. Ignacio C, Clah L, Zheng W*, Zhou X*, Larrick* B, Blaize N, Breslin E, Patel N, Johnson D, **Teegarden D**, Donkin SS, GavinTP, Newcomer S (2014) Maternal exercise during pregnancy reduces risk of mammary tumorigenesis in rat offspring, Eur J Cancer Prev Nov;23(6):502-5. PMID: 24950432.

22. Adedokun O, Parker LC, Childress A, Burgess W, Adams R, Agnew CR, Leary J, Knapp D, Shields D, Lelievre S, **Teegarden D**. (2014) Effect of time on perceived gains from an undergraduate research program. CBE Life Sci Educ. 13(1):139-148. PMID: 24591512.

23. Zheng W*, Tayyari F, Gowda GA, Raftery D, McLamore ES, Shi J, Porterfield M, Donkin SS, Bequette B, **Teegarden D.** (2013) 1, 25 Dihydroxyvitamin D Regulation of Glucose Metabolism in Harvey-*ras* Transformed MCF10A Human Breast Epithelial Cells. J Ster Biochem Mol Biol 138:81-89. PMID: 23619337.

24. Carrillo AE*, Flynn MG, Pinkston C*, Markofski MM, Jiang Y*, Donkin SS, and **Teegarden D**. (2013) Impact of vitamin D supplementation during a resistance training

intervention on body composition, muscle function, and glucose tolerance in overweight and obese adults. Clin Nutr, 32(3):375-381. PMID: 23034474.

25. Zou M, Arentson EJ, **Teegarden D**, Koser SL, Onyskow L, and Donkin SS. (2012) Fructose consumption during pregnancy and lactation induces fatty liver and glucose intolerance in rats. Nutrition Research 32(8):588-598. PMID: 22935342.

26. Carrillo AE*, Flynn MG, Pinkston C*, Markofski MM, Jiang Y*, Donkin SS, and **Teegarden D**. (2011) Vitamin D supplementation during exercise training does not alter inflammatory biomarkers in overweight and obese subjects. Eur J App Phys 112(8):3045-3052. PMID: 22183086.

27. Smilowitz JT, Wiest MM, **Teegarden D**, Zemel MB, German JB, Van Loan MD (2011) Dietary fat and not calcium supplementation or dairy product consumption is associated with changes in anthropometrics during a randomized, placebo-controlled energy-restriction trial. Nutr Metab 8:67. PMID:21970320

28. Weaver CM, Campbell WW, **Teegarden D**, Craig BA, Martin BR, Singh R, Braun MM, Apolzan JW, Hannon TS, Schoeller DA, DiMeglio DA, Hickey Y, and Peacock M. (2011) Calcium, dairy products, and energy balance in overweight adolescents: A controlled trial. Am J Clin Nutr 94(5):1163-70. PMID: 21918216.

29. **Teegarden D**, Ji-Yeon Lee J-Y, Adedokun L, Childress A, Parker LC, Burgess W, Nagel JR, Knapp DW, Lelievre S, Agnew CR, Shields C, Leary J, Adams R, Jensen JD (2011) Cancer Prevention Interdisciplinary Education Program at Purdue University: Overview and Preliminary Results. J Cancer Educ 26(4):626-632. PMID: 21533583.

30. McLamore ES, Shi J, Jaroch D, Claussen J, Uchida A, Jiang Y*, Zhang W, Donkin SS, Banks MK, Buhman KK, **Teegarden D**, Rickus JL, and Porterfield DM. (2011) A self referencing platinum nanoparticle decorated enzyme-based microbiosensor for real time measurement of physiological glucose transport. Biosensors and Bioelectronics 26(5):2237-2245. PMID: 20965716.

31. Jiang Y*, Zheng W*, **Teegarden D** (2010) 1α, 25-Dihydroxyvitamin D regulates hypoxia-inducible factor-1α in untransformed and Harvey-*ras* transfected breast epithelial cells. Cancer Lett. 298(2):159-166. PMID: 20655141.

32. Zemel MB, **Teegarden D**, Van Loan M, Schoeller D, Matkovic V, Lyle RM and Craig BA (2009) Dairy-rich diets augment fat loss on an energy-restricted diet: a multicenter trial. Nutrients, Special Issue Featured Papers, Nutrients 1(1), 83-100; doi:10.3390/nu1010083. PMID: 22253969.

33. Li J*, Fleet JC and **Teegarden D** (2009) Activation of rapid signaling pathways does not contribute to 1α,25-dihydroxyvitamin D_3-induced growth inhibition of mouse prostate epithelial cells. J Cell Biochem, 107(5):1031-1036. PMID: 1942419.

34. Chang E*, Donkin SS, and **Teegarden D** (2009) Parathyroid hormone suppresses insulin signaling in adipocytes. Mol Cell Endocrinol 307(1-2):77-82. PMID: 19524129.

35. Singh R., Martin BR, Hickey Y, **Teegarden D**, Campbell WW, Craig BA, Schoeller DA, Weaver CM. (2009) Comparison of self-reported, measured, metabolizable energy intake with total energy expenditure in overweight teens. Am J Clin Nutr, 89(6):1744-1750. PMID: 19386746.

36. Smilowitz JT, Wiest MM, Watkins SM, **Teegarden D**, Zemel MB, German JB, Van Loan MD. (2009) Lipid metabolism predicts changes in body composition during energy restriction in overweight humans. J Nutr 139(2):222-229. PMID: 19106317.

37. Taber L*, Adams LS*, **Teegarden D.** (2009) Mechanisms of nuclear vitamin D receptor resistance Harvey-*ras* transfected cells. J Nutr Biochem 20(8):629-637. PMID: 188292.

38. Li J*, Byrne ME*, Chang E*, Jiang Y*, Donkin SS, Buhman KK, Burgess JR and **Teegarden D**. (2008) 1α,25-dihydroxyvitamin D hydroxylase in adipocytes, J Steroid Biochem 112(1-3):122-126. PMID: 18840526.

39. Siddiqui SMK*, Chang E*, Li J*, Burlage C*, Zou M, Buhman KK, Koser S, Donkin SS and **Teegarden D**. (2008) Dietary intervention with vitamin D, calcium and whey protein reduced fat mass and increased lean mass in rats. Nutrition Res 28(11):783-790. PMID: 19083488.

40. **Teegarden D**, White K*, Lyle RM, Zemel MB, Van Loan M, Matkovic V, Craig B, Schoeller D. (2008) Calcium and dairy product modulation of lipid utilization and energy expenditure. Obesity 16(7):1566-1572. PMID: 18421269.

41. Novotny R, Going S, **Teegarden D**, Van Loan M, McCabe G, McCabe L, Daida YG and the ACT Research Team. (2007) Hispanic and Asian pubertal girls have higher android/gynoid fat ratio than white. Obesity 15(6):1565-1570. PMID: 17557994.

42. Eagan MS, Lyle RM, Gunther CW*, Peacock M, **Teegarden D**. (2006) Effect of 1-year dairy product intervention on fat mass in young women: 6-month follow-up. Obesity 14(12):2242-8. PMID: 17189552.

43. White KM*, Lyle RM, Flynn MG, **Teegarden D**, Donkin SS. (2006) The acute effects of dairy calcium intake on fat metabolism during exercise and endurance exercise performance. Intl J Sports Med, 16(6): 565-579. PMID: 17342879.

44. **Teegarden D**, Legowski PA*, Gunther CW*, McCabe GP, Peacock MD, Lyle RM. (2005) Dietary calcium intake protects women consuming oral contraceptives from spine and hip bone loss. J Clin Endocrinol Metab 90(9):5127-5133. PMID: 15998785.

45. Gunther CW*, Lyle RM, Legowski PA*, James JM*, McCabe GP, **Teegarden D**. (2005) Fat oxidation and its relation to serum parathyroid hormone in young women enrolled in a 1-y dairy calcium intervention. Am J Clin Nutr 82(6):1228-1234. PMID: 16332655.

46. Gunther CW*, Legowski PA*, Lyle RM, Weaver CM, McCabe LD, McCabe GP, Peacock M, Lyle RM, Weaver CM, and **Teegarden D**. (2006) Parathyroid hormone is associated with decreased fat mass in young healthy women. Int J Obesity 30(1):94-99. PMID: 16158089.

47. Eagan, MS, Lyle RM, McCabe GP, **Teegarden D**. (2005) A New Self-Reported Comprehensive Historical Activity Questionnaire for Young Women. J Phys Act Health 2(1):35.

48. Gunther CW*, Legowski PA*, Lyle RM, McCabe GP, Eagan MS, Peacock M, and **Teegarden D.** (2005) Dairy products do not lead to alterations in body weight or fat mass in young women in a 1-y intervention. Am. J. Clin. Nutr. 81(4):751-6. PMID: 15817848.

49. **Teegarden, D**. (2005) The influence of dairy product consumption on body composition. J Nutr 135(12):2749-52. PMID: 16317115.

50. Zafar T, **Teegarden D**, Ashendel C, Dunn M and Weaver CM. (2004) Effect of aluminum on calcium metabolism and bone strength. Nutrition Research March 3: 243-259.

51. Levine MJ* and **Teegarden D**. (2004) 1α,25-dihydroxycholecalciferol increases the expression of vascular endothelial growth factor in C3H10T½ mouse embryo fibroblasts. J Nutr. 134(9):2244-50. PMID: 15333711.

52. Adams LS* and Teegarden D. (2004) 1,25-dihydroxycholecalciferol inhibits apoptosis in C3H10T½ murine fibroblast cells through activation of nuclear factor *k* B. J. Nutr.134(11):2948-52. PMID:15514257.

53. Castillo SS* and **Teegarden D**. (2003) Sphingosine-1-phosphate inhibition of apoptosis requires mitogen-activated protein kinase phosphatase-1 in mouse fibroblast C3H10T ½ cells. J Nutr 133(11):3343-3349. PMID: 14608042.

54. Lin Y-C*, Lyle RM, Weaver CM, McCabe LD, McCabe GP, Johnston CC and **Teegarden D**. (2003) Peak spine and femoral neck bone mass in young women. Bone 32(5):546-553. PMID: 12753871.

55. Stedman LA*, Nickel KP, Castillo SS*, Andrade J, Burgess JR and **Teegarden D**. (2003) 1,25-dihydroxyvitamin D inhibits vitamin E succinate-induced apoptosis in C3H10T1/2 cells but not Harvey *ras*-transfected cells. Nutr Cancer 45(1):93-100. PMID: 12791509.

56. Castillo SS*, **Teegarden D**. (2001) Ceramide conversion to sphingosine-1-phosphate is essential for survival in C3H10T ½ cells. J Nutr 131(11):2826-30. PMID: 11694603.

57. Weaver CM, **Teegarden D**, Lyle RM, McCabe GP, McCabe LD, Proulx WR, Kern M, Sedlock D, Anderson DD, Hillberry BM, Peacock M and Johnston CC. (2001) Impact of exercise on bone health and contraindication of oral contraceptive use in young women. Med Sci Sports Exerc 33(6):873-880. PMID: 11404650.

58. Burr DB, Yoshikawa T, **Teegarden D**, Lyle RM, McCabe GP, McCabe LD and Weaver CM. (2000) Exercise and oral contraceptive use suppress the normal age-related increase in bone mass and strength of the femoral neck in women 18-31 years old. Bone 27(6):855-863. PMID: 11113398.

59. Lin Y-C*, Lyle RM, McCabe LD, McCabe GP, Weaver CM and **Teegarden D.** (2000) Dairy calcium is related to changes in body composition during a two-year exercise intervention in young women. J Am Coll Nutr 19(6):754-760. PMID: 11194528.

60. **Teegarden D**, Nickel KP, Shi L*. (2000) Characterization of 25-hydroxyvitamin D binding protein from intestinal cells. Biochem Biophys Res Commun 275(3):845-849. PMID: 10973809.

61. **Teegarden D**, Lyle RM, Proulx WR, Johnston CC and Weaver CM. (1999) Previous milk consumption is associated with greater bone density in young women. Am J Clin Nutr 69(5):1014-1017. PMID: 10232644.

62. **Teegarden D,** Lyle RM, McCabe GP, McCabe LD, Proulx WR, Michon K, Knight AP, Johnston CC and Weaver CM. (1998) Dietary calcium, protein and phosphorus are related to bone mineral density and content in young women. Am J Clin Nutr 68(3):749-754. PMID: 9734757.

63. Xu X*, Burgess JR and **Teegarden D**. (1997) Increased prostaglandin H synthase-1 expression and activity level in stably Harvey-*ras* transfected C3H10T1/2 cells. Cancer Letters 119(1):87-92. PMID: 17557994.

64. **Teegarden D**, Meredith SC and Sitrin MD. (1997) Isolation and characterization of a 25-hydroxyvitamin D binding protein from rat enterocyte cytosol. J Nutr Biochem 8(4):195-200.

65. **Teegarden D,** Xu X* and Burgess JR. (1996) Transfection of C3H10T1/2 cells with the Harvey-*ras* oncogene reduces cytosolic phospholipase A2 function.. Cancer Letters 107(1):59-64. PMID: 8913267.

66. Anderson DD, Hillberry BM, **Teegarden D**, Proulx WR, Weaver CM and Yoshikawa T. (1996) Biomechanical analysis of an exercise program for the forces and stresses in the hip joint and femoral neck. J Applied Biomech 32(12):292-312.

67. **Teegarden D,** Proulx WR, Kern M, Sedlock D, Weaver CM, Johnston CC and Lyle RM. (1996) Previous physical activity relates to bone mineral measures in young women. Med Sci Sports Exerc 28(1):105-113. PMID: 8775362.

68. Weaver CM, Heaney RP, **Teegarden D**, Hinders SM. (1996) Wheat bran abolishes the inverse relationship between calcium load size and absorption fraction in women J Nutr 126(1):303-307. PMID: 8558315.

69. **Teegarden D,** Proulx WR, Martin BR, Zhao J, McCabe GP, Lyle RM, Peacock M, Slemenda C, Johnston CC and Weaver CM (1995) Peak bone mass in young women. J Bone Miner Res 10(5):711-715. PMID: 7639106.

70. Yoshikawa T, Turner CH, Peacock M, Slemenda C, Weaver CM, **Teegarden D,** Markwardt P, Burr DB. (1994) Geometric structure of the femoral neck measured using dual-energy x-ray absorptiometry. J Bone Miner Res 9(7):1053-1064. PMID: 7942152.

71. **Teegarden D** and Weaver CM. (1994) Calcium supplementation increases bone density in adolescent girls. Nutr Rev 52(5):171-173. PMID: 8052457.

72. **Teegarden D,** Meredith SC and Sitrin MD. (1991) Determination of the affinity of vitamin D metabolites to serum vitamin D binding protein using assay employing lipid-coated polystyrene beads. Anal Biochem 199(2):293-299. PMID: 1667458.

73. Vaidya TB, Weyman CM, **Teegarden D**, Ashendel CL and Taparowsky EJ. (1991) Inhibition of myogenesis by the H-*ras* oncogene: Implication of a role for protein kinase C. J Cell Biol 114(4):809-820. PMID: 1714463; PMCID: PMC2289900.

74. **Teegarden D,** Taparowsky EJ, Kent C. (1990) Altered phosphatidylcholine metabolism in C3H10T1/2 cells transfected with the Harvey-*ras* oncogene. J Biol Chem 265(11):6042-6047. PMID: 2156839.

75. Toback FG, **Teegarden DE** and Havener LJ. (1979) Amino acid-mediated stimulation of renal phospholipid biosynthesis after acute tubular necrosis. Kidney Intl 15(5):542-547. PMID: 480786.

Book Chapters and Reviews

1. Sheeley MP*, Andolino C*, Kiesel VA*, **Teegarden D**. Vitamin D Regulation of Energy Metabolism in Cancer. (Invited review) Br J Pharmacol. 2022 Mar 2. doi: 10.1111/bph.15424. PMID: 33651382.

2. Kiesel VA*, Sheeley MP*, Coleman MF, Kulkoyluoglu Cotul E, Donkin SS, Hursting SD, Wendt MK, **Teegarden D**. Pyruvate carboxylase and cancer progression; Cancer Metab. 2021 Apr 30;9(1):20. doi: 10.1186/s40170-021-00256-7. PMID: 33931119.
3. Weaver CM, **Teegarden D**, Welch A, Hwalla N, Lelièvre S. (2014) International breast cancer and nutrition: a model for research, training and policy in diet, epigenetics, and chronic disease prevention. Adv Nutr. Sep;5(5):566-7. PMID: 25469398.
4. Larrick B*, Donkin SS, and **Teegarden D**. Vitamin D and Insulin Sensitivity. In: *Handbook of Vitamin D in Human Health: Prevention, Treatment, and Toxicity*, Watson, R. (editors). Wageningen Academic Publishers, 2013.
5. Zheng W* and **Teegarden D**, Vitamin D. In: *Handbook of Vitamins, Fifth Edition*, Zempleni J, Suttie J, Gregory J and Stover P editors. Taylor & Francis Group, 2013.
6. **Teegarden D**, Romieu I, Lelièvre SA. (2012) Redefining the impact of nutrition on breast cancer incidence: Is epigenetics involved? Nutr Res Rev 25(1):68-95. PMID: 22853843.
7. **Teegarden D**. Dietary Calcium and Obesity. *In:* Calcium in Human Health. Weaver C.M., and Heaney R.P., eds. Humana Press Inc., Totowa, NJ, 2006, pp. 327-339.
8. **Teegarden D**, Dietary Calcium and the Metabolic Syndrome. *In:* Calcium in Human Health. Weaver C.M., and Heaney R.P., eds. Humana Press Inc., Totowa, NJ, 2006, pp. 401-409
9. **Teegarden D** and Donkin SS. (2009) Vitamin D: Emerging New Roles in Insulin Sensitivity (Invited review), Nutr Res Rev. 22(1):82-92. PMID: 19555519.
10. **Teegarden D** and Gunther C*. Minerals and Food Intake: A Human Perspective. *In:* Appetite and Food Intake: Behavioral and Physiological Considerations. Harris R. and Mattes R., eds. Boca Raton: CRC Press (Taylor and Francis Group); 2008. p. 337-350.
11. **Teegarden** D and Gunther CW*. (2008) Can the controversial relationship between dietary calcium and body weight be mechanistically explained by alterations in appetite and food intake? (Invited review) Nutr Rev 66(10):601-605. PMID: 18826456.
12. **Teegarden D**. (2005) Increased intake of dairy products has been implicated in reducing body weight and fat mass in humans and in animal models. (Invited review) Nutrition Today 40(4):168-170.
13. **Teegarden D** and Zemel MB (2003) Dairy Product Components and Weight Regulation: Symposium Overview J. Nutr. 133(1): 243S-244S. PMID: 12514300.
14. **Teegarden D**. (2003) Calcium intake and reduction in weight or fat mass. *Review* (Invited review) J. Nutr. 2003 133(1):249S-251S. PMID: 12514302.

Abstracts Over 300 peer reviewed abstracts presented at National and International meetings.

Invited Seminars *(last 10 years, total over 80 invited presentations for including for scientific and health related conferences, universities, and industries, including 10 international)*

Obesity, Metabolism and Breast Cancer, Indiana University Obesity Regional Symposium; theme Obesity and Cancer, Indianapolis IN, June 2023

Vitamin D and Breast Cancer Metastasis, Lafayette Lions Club, Outstanding Cancer Research Award Presentation, Lafayette IN, June 2023

1α,25 Dihydroxyvitamin D-Mediated Regulation of Energy Metabolism in Inhibiting Breast Cancer Metastasis. University of British Columbia, Vancouver BC Canada, November 2022.

1α,25 Dihydroxyvitamin D-Mediated Regulation of Energy Metabolism in Inhibiting Breast Cancer Metastasis. University of Notre Dame, South Bend IN, Fall 2018.

Development and Evaluation of the Transdisciplinary Obesity Prevention Research Sciences Program. Teegarden D, Bowers J, Hammons A, Destefano L, Garcia G, Koester B, Parker L, Childress A, Fiese B. Experimental Biology**,** San Diego CA, April 2016.

Transdisciplinary Training: Cancer Prevention Internship Program (CPIP) and Transdisciplinary Obesity Prevention Research Program (TOPRs) *Curriculum Development* University of Georgia/Athens: Obesity Initiative Workshop Keynote Speaker Aug 2015.

Obesity and energy metabolism in breast cancer progression using molecular tools. International Breast Cancer and Nutrition: A model for Research, Training and Policy in Diet, Epigenetics, and Chronic Disease Prevention, Experimental Biology, San Diego 2014.

Effects of supplementation with vitamin D and calcium on adiposity and inflammatory markers Experimental Biology Symposium, Obesity-Related Inflammation and Vit D and Calcium Metabolism, April 2013.

.

Active and Recent Research Grants

Wolf (PI), Teegarden (co-PI)
American Cancer Society Awarded
The food environment, microbial cysteine metabolism, and cancer disparities

Teegarden (PI) (co-PIs Buhman and Andolino)
WGHI/Peachey Foundation 2023/06/01-2023/05/31
Role of the Proteome of Cytoplasmic Lipid Droplets in Metastasis

Teegarden (PI, multi-PI, Hursting, Wendt)
NIH R01CA271597 2022/12/28-2027/11/30
Impact of Hypoxia on Lipid Metabolism in Obesity-Driven Breast Cancer Progression

Teegarden (PI)
Purdue Center for Cancer Research Shared Resources (Metabolomics Facility) 2022/05/01-2022/10/01
Role of Hypoxia Inducible-Factor 1a (HIF-1a) in Sustaining Metastatic Breast Cancer Lipogenic Phenotype in Normoxia

Teegarden (PI, co-PI Buhman)
Purdue Center for Cancer Research Shared Resources (Proteomics Facility) 2021/12/01-2022/09/01
Uncovering the cytoplasmic lipid droplet proteome in breast cancer progression

Teegarden (PI, multi-PI, Hursting, Wendt, Bustamante)
NIH Diversity Supplements 2021/06/01-2023/01/31

Obesity, Metabolism and Breast Cancer Metastasis

Teegarden (PI, co-PI Buhman)
Purdue University Executive Vice President of Research 2020-2022
New NIH R01/U01/P01 Program

Teegarden (PI, multi-PI, Hursting, Wendt)
NIH R01CA232589 2019/02/01-2025/01/31
Obesity, Metabolism and Breast Cancer Metastasis

Teegarden (PI), Donkin (co-PI)
USDA: National Institute of Food and Agriculture 01/01/2019 – 12/31/2022
Molecular Regulation of TCA Cycle Flux by Propionate and Fatty Acids and Impact on Metabolic Capacity in Dairy Cow

Teegarden (PI, co-PI Buhman)
Purdue University Executive Vice President of Research: Equipment Grant 2020
Ultracentrifuge and rotors for Nutrition Science Department

Teegarden (Co-PI) PI Dydak
NIH large equipment grants 4/01/2015 – 3/31/2018
3T MRI Scanner dedicated to Life Sciences Research

Weaver (PI; Teegarden Co-PI)
CTSI/NIH 1UL1RR025761-01 5/19/2008-4/30/2018
Indiana Clinical and Translational Science Institute

Teegarden (PI)
CTSI/Project Development Team 2014/05/01-2019/04/30
Vitamin D Regulation of Metastasis – Developing New Models and Mechanistic Preliminary Results

Teegarden (PI for subcontract, Purdue; University of Illinois (Fiese, PI)
USDA 9/1/2013-8/31/2017
Transdisciplinary Obesity Prevention Program-Undergraduate (TOPP-U)

The educational site resulting from this funding is intended to educate students, teachers and the general public on childhood obesity. The site, housed at Purdue's STEMed HUB, was launched in 2019 (https://stemedhub.org/groups/toprs). The project includes over 20 course modules, including food environment, covering topics relevant to obesity from biological components to cultural interventions. The modules include informational videos as well as additional instructor material, such as test questions, class activities for a 'flipped' classroom and optional readings to inform the public.

Teegarden (PI)
Purdue University Center for Cancer Research Summer Undergraduate: Hyesoo Chae 2016
Vitamin D Regulation of Metastasis

Teegarden (PI)
EVPRP New NIH R01 funding 03/01/2014 - 12/28/2016
Obesity and Cancer

Teegarden (Co-PI) Ratliff, T (PI) 2012/01/07-2016/06/30
Walther Cancer Foundation
Obesity and Cancer Discovery Group

Teegarden (PI)
Purdue Center for Cancer Research 7/1/2013-6/30/2015
Role of Pyruvate Carboxylase in 1,25 dihydroxyvitamin D Regulation of Energy Metabolism in Breast Cancer Prevention

Teegarden (PI)
NIH NCI 1R25CA128770-01A2 9/26/2008-8/31/2014
Interdisciplinary Cancer Prevention Research Internship Program

Zemel, (PI), Teegarden (co-PI) 7/1/2002-12/31/2003
Dairy Management, Inc.
Role of Dairy Products in Weight Loss: a Multi-Center Trial

Donkin (PI), Teegarden (co-PI) 10/01/2006-9/30/2008
NIH NIDDK
Fetal Programming, Fructose and Insulin Resistance

Donkin (PI), Teegarden (co-PI) 10/01/2006-9/30/2008
Showalter Trust
Fetal Programming, Fructose and Insulin Resistance

Teegarden (PI) 6/01/2001-5/31/2005
Dairy Management, Inc.
Effect of dietary calcium education intervention on body fat mass in adolescents

Harrison (PI), Lahr (co-PI), Teegarden (co-PI) 1/2007-12/2009
Washington Project
Cancer Care Engineering

Savaiano (PI), Teegarden (co-PI) 9/2000-9/2004
USDA
Improving bone health in adolescence through targeted behavioral intervention

Teegarden (PI) 1/1/2000-12/31/2003
American Cancer Society
Role of ceramide metabolism in cellular resistance to apoptosis

Weaver (PI), Teegarden **(c**o-PI) 1/01/2004-12/31/2006
NIH
Calcium, Dairy, and Body Fat in Adolescents

Teegarden**,** PI 7/2002-12/2004
Dairy Management, Inc.
Can calcium enhance weight loss in young women: A multisite trial

Teegarden 1/2005-12/2007
Purdue Research Foundation
Mechanism of 1,25-dihydroxyvitamin D regulation of Phosphatidylinosital 3-kinase

Teegarden (PI):
Dairy Management, Inc.
Do diets high in dairy products prevent weight gain in young women?: Supplement to complete 25hydroxyvitamin D levels

Teegarden (PI) 1/2005-12/2005
General Mills
Effect of dietary calcium on exercise performance

Teegarden (PI) 7/1/2005-6/30/2008
National Institute of Health (R01 DK066108)
Dairy Product Intake Regulation of Energy Metabolism

Harrison/Pekny, Williams (IU Simon Cancer Center, IU School of Medicine) Teegarden (co-PI)
US Army Medical Research & Material Command
Warfighter Cancer Care Engineering

Harrison/Pekny, Williams (IU Simon Cancer Center, IU School of Medicine), Teegarden (co-PI)
Oncological Sciences Center
Supplement to Warfighter Cancer Care Engineering/US Army Medical Research & Material Command

Teegarden (PI) 8/2008-7/2009
Gatorade Sports Science
Impact of Vitamin D Supplementation on Strength and Lean Mass Accumulation During an Exercise Intervention

Teegarden (PI) June, 2000
Consumer and Family Science Summer Salary
Role and regulation of mitogen activated protein kinase phosphatase in inhibition of apoptosis.

Teegarden (PI) 7/1999-6/2000
Purdue Research Foundation.
Graduate Student Research Assistantship
Role of ceramide metabolism in apoptotic resistance of fibroblast cells

Teegarden (PI) 9/2000-9/2001
General Mills
Do high dairy intakes effect lipid utilization? A meal challenge

Teegarden (PI) 8/1/1999-7/31/2000
Dairy Management, Inc.
Role of vitamin D hormonal axis in regulation of body fat by dietary calcium intake in young women.

Undergraduate Courses Taught

NUTR 297 Nutrition Science Honors Program Introduction (1 credit); Fall 2020-2023

NUTR 105 Guest lecturer

NUTR 330 Guest lecturer

NUTR 107 Guest lecturer

HHS 590 HHS Undergraduate Honors Scholars program 1 credit; Fall and Spring 2019-2020

NUTR 590 Cancer Prevention Internship Program 1 credit; Fall and Spring 2009-2019

Foods and Nutrition 315-Introduction to Nutrition
3 credits; 30% Spring 1996, carbohydrates, lipoproteins, fat soluble vitamins, calcium 100% Spring 1998; Fall 1998; Spring 2000; Fall 2000, Spring 2002-2010

Graduate Courses Taught

Physiology and Biochemistry of Nutrition 1
Introductory course for all Interdepartmental Nutrition Program graduate students, 2001-present, currently 80% teaching, Coordinator for 2 semesters, 4 credits/semester,

Advanced Presentation Skills
Spring 2018, 2022-present, 1 credit

Introductory Graduate Seminar
Fall 1994-97, Spring 1999-2001, 2003-2005, 2008, assumed responsibility mid-semester Spring 2019, 1 credit

Physiology and Biochemistry of Nutrition 3
Introductory course for all Interdepartmental Nutrition Program graduate students Coordinator, 2014, 2 credist

Scientific Writing
Served as mentor 2017-2019

Cancer Prevention Internship Program Course
Centerpiece of curriculum for CPIP program, 2 credits/year, 2009-2019

Lipid Signaling
30% teaching, Fall 2002, 2006, 2008, 2010, 2012, 2014, guest lecture 2022, 2 credits

Obesity: Biochemistry, Physiology and Policy
2 credits, co-coordinator, 20% teaching, Fall, 2005, 2007, 2009

Functions of Carbohydrates and Lipids
3 credits, 50%, Spring 1995, 1996, 1997, 1999, 100% Spring, 2001

Graduate Seminar
1 credit, Fall, 1995; Spring 1997

Molecular and Cellular Biology of Nutrients
1 credit, Fall 1996

Vitamins 3 credits, Summer, 2000

Readings in Nutrition 1 credit, 50% teaching, Summer, 2005

Graduate Committee Member

Served on 75 graduate committees where she was not the primary mentor.

CURRENT		
Student	**Program**	**Advisor**
1. Afsoun Abdollahi	Nutrition Science, PhD	G. Henderson
2. Kayla Roy	Food Science, MS	L. Reddivari
3. Lydia Eisenbeis	Department of Nutrition, MS UNC Gillings School of Public Health	S. Hursting
4. Emily Devericks	Department of Nutrition, MS UNC Gillings School of Public Health	S. Hursting
5. Keigo Tomoo	Nutrition Science, PhD	G. Henderson
6. Sara Fillipelli	Biological Sciences	B. Allen-Petersen
7. Emily Hodson	Nutrition Science	W. Campbell
PAST		
Student	**Program**	**Advisor**
Aneesha Kulkarni	Medicinal Chemistry and Molecular Pharmacology, PhD	M. Wendt
Linda Beckett	Animal Science, PhD	S. Donkin
Alyssa Zembowski	Nutrition Science, PhD	K. Buhman
Aparna Shinde	Medicinal Chemistry and Molecular Pharmacology, PhD	M. Wendt
Ryan Calvert	Nutrition Science, PhD	K. Buhman
Megan Beech	Nutrition Science, PhD	B Stefanska (left the University)
Violet Kiesel	Nutrition Science, MS	S. Stan
Kayla Minser	Biology, PhD	J. Kirshner
Yu-Han Hung	Nutrition Science, PhD	K. Buhman
Juhae Kim	Nutrition Science, PhD	Q. Jiang
Yumi Jang	Nutrition Science, PhD	Q. Jiang
Katie Boesch	Animal Science, PhD	S. Donkin
Mukti Parikh	Biology, PhD	J. Kirshner
Qian Zhang	Animal Science, PhD	S. Donkin
Jessamine Osborne	Agricultural & Biological Engineering, MS	K.Clase/J. Rickus
Mary Zheng	Biology, PhD	J. Kirshner

Emily Arentson	Animal Science, PhD	S. Donkin
Yan Li	Nutrition Science, PhD	J. Fleet
Andy King	Communication, PhD	J. Jensen
Kimberly Dole	Basic Medical Sciences, PhD	S. Lelievre
Yun Wang	Nutrition Science, PhD	Q. Jiang
Feng He	Health and Kinesiology, PhD	D. Sedlock
Aki Uchida	Nutrition Science, PhD	K. Buhman
Heather White	Animal Science, PhD	S. Donkin
Pavel Kovalenko	Nutrition Science, PhD	J. Fleet
Milton Thomas	Animal Science, MS	S. Donkin
Mi Zou	Animal Science, PhD	S. Donkin
Bonggi Lee	Nutrition Science, PhD	K. Buhman
Choon Young Kim	Nutrition Science, PhD	K. Kim
Clara Park	Nutrition Science, PhD	C. Weaver
Yan Jiang	Nutrition Science, PhD	J. Fleet
Megan Smith	Animal Science, MS	S. Donkin
April Stull	Nutrition Science, PhD	W. Campbell
Michael Karadimos	Biology, MS	I. Camarillo
Brooke Woodruff	Nutrition Science, MS	C. Boushey
Ann Elble	Nutrition Science, PhD	C. Weaver
Rajni Singh	Nutrition Sciecne, MS	C. Weaver
Christi Gliniak	Nutrition Science, PhD	J. Fleet
Jeremy Davis	Animal Science, PhD	M. Spurlock, left the University
Zhentao Zhang	Nutrition Science, PhD	J. Fleet
Jenny Glenn	Health and Kinesiology, MS	D. Sedlock
Sara Hazelton	Animal Science, PhD	S. Donkin
Kyung-Shin Park	Health and Kinesiology, PhD	D. Sedlock
Anna Klopot	Nutrition Science, PhD	J. Fleet
Juan Andrade	Nutrition Science, PhD	J. Burgess
Rita Alfenas	Nutrition Science, PhD	C. Weaver
Long Wang	Nutrition Science, PhD	J. Story
James Navalta	Health and Kinesiology, PhD	D. Sedlock
Laura Stewart	Health and Kinesiology, PhD	R. Lyle
Rhea Pogue	Animal Science, MS	S. Donkin

Ani Josuyla	Health and Kinesiology, PhD	R. Lyle
Juan Carlos Velez	Animal Science, MS	S.Donkin
Yurong Song	Nutrition Science, PhD	J. Fleet
Liyong Wang	Animal Science, MS	S. Donkin
Ken Hance	Nutrition Science, PhD	J. Fleet
Dean Wiseman	Biology, Indiana University-Purdue University	P. Crowell
Melissa Heckert	Animal Science, MS	S. Donkin
Claudia Bauer	Nutrition Science, MS	C. Weaver
Cansu Agcu	Animal Science, PhD	S. Donkin
Kai Li Liu	Nutrition Science, PhD	Q. Jiang
Lingling Shi	Nutrition Science, MS	J. Burgess
Qin Min Zhang	Nutrition Science, PhD	C. Weaver
Kimberly Buhman	Nutrition Science, PhD	J. Story
Deidre Walker	Health and Kinesiology	R. Lyle
William Proulx	Nutrition Science, PhD	C. Weaver
Tasleem Zafer	Nutrition Science, PhD	C. Weaver
Shun Chen	Animal Science, MS	S. Donkin
Laura Quinn	Health and Kinesiology, MS	R. Lyle

Undergraduate Research Mentor

Mentored over 25 undergraduate students in year-long or greater research experiences in her laboratory

Year	Student (Program)
2000-02	Abby Hamm (NUTR Honors student)
2002-03	Julie James (NUTR Honors student)
2004-05	Jen Nol (NUTR Honors student)
2005-06	Trisha Seeman (NUTR Honors student)
2007-09	Catherine Burlage (also MS student in Teegarden laboratory)
2010-11	Jessica Harris (NUTR Honors student)
2010-11	Erin Harpeneau (NUTR Honors student)
2011-13	Jessica Borst (NUTR Honors student)
2012-14	Alle Barnard (also MS student in Teegarden laboratory)
2013-14	Annie Monardo (CPIP student)
2014	Emily Watson (NUTR Honors student)
2015-16	Mattie White (NUTR Honors student)
2015-16	Luke Silver (CPIP student)
2015-16	Madeline Sheeley (TOPRs student) (doctoral student in Teegarden

	laboratory)
2015-2019	Hyesoo Chae (CPIP student, Honors college) *Presented at National Experimental Biology meeting, PUCCR UG research support for summer, Second place in Purdue oral undergraduate research competition 2019*
2016-2019	Katie Wong (CPIP student)
2016-2019	Tamara Batarseh (Biology student)
2017-2018	Shelby Tucker (CPIP student)
2019-2020	Allison Drook (Dr. Gletsu-Miller's Nutrition Science Honors student)
2019-2020	Kanika Garg (Psychological Sciences, HHS REACH scholar)
2019-2021	Josie Asher (Psychological Sciences)
2020-2021	Parikshit Pawar (Health Sciences, HHS REACH scholar)
2021-2022	Alekya Raghavan (Biology) *Presented at the American Association for Cancer Research meeting*
2022-2023	Caitlyn Truffer (Nutrition Science, Honors Program; Honors College)
2022-present	Morgan Conrad (Nutrition Science, Honors Program) *Presented at National Big10 Lipids Conference*
2024-present	Sarah Torres (Nutrition Science, Honors program)
2024-present	Olivia Callinsworth (Nutrition Science, Honors program)

Programmatic Development and Director

Director and founder, Cancer Prevention Internship Program (CPIP), 2008-2019
CPIP was a twelve-month program which supports undergraduate and graduate students in cutting-edge cancer prevention research with faculty mentors from across campus to train the next generation of researchers. It was highly interdisciplinary with student participants and faculty mentors from almost every college, from basic to social scientists to engineers. The program also included a knowledge-based course, and in-depth professional development activities, such as communication across disciplines, strong leadership team interactions, introducing the students to career opportunities, and working as a team to impact the community in service learning/volunteer activities. In its 10 years, approximately **45 graduate students and 90 undergraduate students** were supported, mentored and trained in the program. Support for the program included NIH R25 (6 years, Teegarden PI), Purdue University Provost, Discovery Learning Research Center, Purdue University Center for Cancer Research, Purdue colleges of Science, Liberal Arts, and Health and Human Sciences.

Director and founder, college of Health and Human Sciences Undergraduate Research Education and Community Honors (REACH) Scholars Program (2019-2121)
The HHS undergraduate REACH program was modeled on the CPIP. It was a twelve-month program which supports undergraduate and graduate students in cutting-edge cancer prevention research with faculty mentors from across the college. It was interdisciplinary with student participants and faculty mentors from every unit in the college, from basic to social scientists. The program also included a knowledge-based course, and in-depth professional development activities and working as a team to impact the community in service learning/volunteer activities relevant to the college's goals.

Graduate Students

CURRENT				
Student	Program/Theses Title	Start		
1. Marjorie Layosa	Nutrition Science, PhD - *ASN Top 3 Finalist Graduate Student Research Award (2023)* - *2nd Place Emerging Leaders in Nutrition Science Poster Competition (Topical Area: Energy and Macronutrient Metabolism) (2023)*	2021		
2. Yazhen Song	Nutrition Science, PhD	2022		
PAST				
Student	Program/Theses Title	Start	Finish	Position After Purdue
1. Emily Hicks	Nutrition Science, MS	2021	2022	***First and Current:*** Medical Technologist, Johns Hopkins University
2. Chaylen Andolino	Nutrition Science, PhD	2017	2022	***First:*** Senior Research Fellow, Proteomics Facility, Purdue University ***Current:*** Postdoctorral Fellowship, Dr. Dorothy Teegarden, Purdue University
3. Madeline Sheeley	Nutrition Science, PhD	2017	2021	***First and Current:*** Postdoctoral Fellowship, Dr. Laurie Littlepage, University of Notre Dame
4. Violet Kiesel	Nutrition Science, PhD	2016	2020	***First***: Postdoctoral Fellowship, Dr. Dorothy Teegarden, Purdue University ***Current***: Dr. Stephen Hursting, University of North Carolina, Chapel HIll
5. Chaehyun Yum	Nutrition Science, PhD	2015	2020	***First and Current***: Postdoctoral Research Fellowship, Northwestern University

5. Tomasz Wilmanski	Nutrition Science, PhD (concurrent MPH)	2013	2018	***First and Current:*** Computational Biology, Hood-Price lab at the Institute for Systems Biology, Seattle WA
7. Brienna Larrick	Nutrition Science, PhD - *1st place, Emerging Leaders in Nutrition Science Research Competition: American Society for Nutrition, April 2016*	2013	2018	***First:*** Manager, Nutrition Programs, PMK Associates ***Current:*** Scientific Program Manager, Institute for the Advancement of Food and Nutrition Sciences
8. Xuanzhu Zhou	Nutrition Science, PhD	2012	2017	***First and Current:*** Research Scientist, GenScript, Piscataway NJ
9. Alle Barnard VanWye	Nutrition Science, MS	2012	2014	***Current***: Clinical Laboratory Associate Consultant, Eli Lilly and Company, Indianapolis IN
10. Wei Zheng	Nutrition Science, PhD - *The American Society for Nutrition's Nutritional Sciences Council 2013 Graduate Student Research Award*	2009	2014	***First:*** Postdoctoral Research Fellow, Dr. Katrin Chua, Stanford University School of Medicine ***Current:*** Resarch Scientist, System Biosciences, Palo Alto CA
11. Shamim Siddiqui	Nutrition Science, MS;	2006	2008	***First:*** Laboratory technician, Purdue ***Current:*** Private Consulting Nutritionist, Olympic Gold Quest, India
12. Pam Legowski	Nutrition Science, PhD	2006	Did not complete	
13. Catherine Pinkston (Burlage)	Nutrition Science, MS	2007	2009	***Curren***t: Doctor of Osteopathy, Family Medicine, Renown Medical Group - North Hills, Reno NV
14. Andres Carillo	Health and Kinesiology, PhD Co-mentored with Dr. Michael Flynn	2005	2010	***First and Current***: Assistant Professor, Chatham University, Pittsburgh PA

15. Yan Jiang	Nutrition Science, PhD -*Finalist, 'Diet and Cancer' Research Interest Section, American Society for Nutrition, EB 2008.*	2002	2009	***Current:*** Senior Research Scientist, McQuade Laboratory Manager, The University of Texas MD Anderson Cancer Center, Houston TX
16. Eugene Chang	Nutrition Science, PhD	2002	2007	***First:*** Postdoctoral Research Fellow, Dr. Andrew Greenberg, Tufts University ***Current***: Research Professor, Department of Nutritional Science and Food Management, Ewha Womans University, South Korea
17. Jai Li	Nutrition Science, PhD	2001	2006	***Current:*** Research Investigator, Solae, St. Louis, MO
18. Laura Taber	Nutrition Science, PhD	2000	2005	***Current:*** Nutrition Professor, University of New Mexico, Albuquerque NM
19. Kimberly Stein (White)	Nutrition Science, PhD	2001	2005	***First:*** Assistant Professor, Carroll College ***Current:*** Senior Principal Scientist, Gatorade Sports Science Institute, Barrington IL
20. Carolyn Gunther	Nutrition Science, PhD	1999	2004	***First:*** Clinical Assistant Professor and Director of Research, Ohio State University ***Current***: Associate Professor and Director, Office of Outreach and Engagement, College of Nursing, The Ohio State University, Columbus OH
21. Marci Levine	Nutrition Science, PhD -*Finalist, American Society for Nutritional Sciences graduate student paper competition*	1999	2004	***First:*** Postdoctoral Research Fellow, ILSI ***Current:*** ADVANCE, Program Director, Lehigh University, West Bethlehem PA

22. Lynn Adams (Stedman)	Nutrition Science, PhD	1998	2002	***First:*** Postdoctoral Research Fellow, Dr. David Heber, UCLA Medical Center ***Current:*** Program Director, Outcomes Research Branch/Division of Cancer Control and Population Sciences *Outstanding Health and Human Sciences College Alumni*
23. Sianna Castillo	Nutrition Science, PhD - *Gerber Products Company Predoctoral Fellowship from the American Society for Nutritional Sciences for 1999*	1996	2000	***First:*** Postdoctoral Research Fellow, NIH ***Current:*** Senior Director of Regulatory Affairs, Sangamo Therapeutics, Brisbane CA *Outstanding Health and Human Sciences College Alumni*
24. Yi-Chin Lin	Nutrition Science, PhD	1996	2000	***First***: School of Nutrition, Chung Shan Medical University, Taichung, Taiwan ***Current***: Research Scientist, Department of Nutrition, School of Nutrition, Chung Shan Medical University, Taichung, Taiwan
25. Szu Lin Yen	Nutrition Science, MS	1995	1996	
26. Yi-Chin Lin	Nutrition Science, MS	1995	1996	***First:*** Doctoral Student, Dr. Dorothy Teegarden
27. Xianghong Xu	Nutiriton Science, MS	1995	1996	

Postdoctoral Fellows

Chaylen Andolino (Jan 2024-present)

Violet Kiesel (2020-2021) Teegarden/Hursting postdoctoral fellow

Kuang Ok Park (1998-1999)

Service and Engagement

Department of Nutrition Science

Faculty Research and Teaching Awards Committee, Chair (2022-present)

Faculty Search Committee, Nutrition Science (CRC Director, Fall 2022)

Nutrition Science, Advisory Committee to Head (2019 – present)

Nutrition Science Departmental Review, lead Team 4

Director, Nutrition Science Honors Program (2019 – present)

Faculty Mentoring Committees

Chaired 6 faculty mentoring committees in 2019-2021.

Current: Brandon Kistler (research), Patricia Wolf (informal, grant, research), Tzu-Wen Cross, to spring 2022)

Coordinator, Nutrition Science Undergraduate Research (2019-present)

Faculty Search Committee, Health and Kinesiology (Fall 2022)

University Faculty Senate Representative (Spring 2020, alternate Fall 2019-present)

Faculty Search Committee, Nutrition Science (Spring 2022)

Faculty Search Committee, Nutrition Science DPD Research (Chair, Fall 2021-Spring 2022)

Faculty Search Committee, Nutrition Science DEI Public Health (Fall 2021-Spring 2022)

Faculty Search Committee, Health and Kinesiology (Fall 2021-Spring 2022)

Diversity and Inclusion Committee (2020-2021)

Coordinator, Carcinogenesis and Cancer Prevention Signature Area meetings (Fall, 2020)

Director, Science of Nutrition Learning Community (Fall 2019)

Nutrition Science Workload Policy Working Group, lead (2019-2020)

Space Committee (chair 1995-2002, 2009-2016, 2019)

Nutrition Science Research Awards Committee, (Chair 2013-2018, 2019-2020)

Nutrition Science Undergraduate Recruitment Committee (Fall 2019)

Faculty Search Committee, Chair (two faculty positions, 2017-2018)

Hazardous Substances (1994-2018)

Faculty Search Committee (Nutrition and Cancer, 2017-2018)

Faculty Search Committee, Nutrition Science Head (2015-2016)

Gala Committee (2015-2016)

Nutrition Science Fundraising Committee (2013-2016)

Preparation for CSREES review: Chair, and lead on Discovery section (2011)

Undergraduate Teaching Committee (1995-2011)

Liaison with Discovery Park and Purdue Center for Cancer Research (2005-2012)

Space Committee (2009-2012)

Advised 9-16 undergraduate students yearly, from 5 different majors (1995-2012)

Golden Honors Day Foods and Nutrition Representative to recruit top undergraduate students

Faculty Search Committee Epigenetics Cluster Hire (Chair and departmental representative, 2013)

Faculty Search Committee Member, Nutrition and Cancer (Co-chair, 2009-2010)

Faculty Affairs Committee (2009-2010)

Department of Nutrition Science Graduate Curriculum Committee

Faculty Search Committee Member (2004-2006)

Faculty Search Committee Member (2002-2003)

Faculty Search Committee (Chair, 2000-2001)

Department of Foods and Nutrition Undergraduate Curriculum (2004)

Preparation for CSREES review: Discovery Team, Chair (2002)

During this process, Dr. Teegarden was instrumental in the department's development of signature areas

Faculty Search Committee Member (1999-2000)

Department of Foods and Nutrition Journal Club (1997-2001)

Faculty Affairs Committee (1997-1998)

Foods and Nutrition Lipids Research Group (1995-1996)

Scholarship Selection Committee (1994-1995)

Department of Foods and Nutrition Graduate Curriculum (Chair, 2005-2009)

Developed recommendation to the faculty for a new graduate curriculum. This includes the concept of a new team-taught core class for both the Foods and Nutrition and the Interdepartmental Nutrition Program. Other recommendations were developed to address teaching loads and improve the course offerings and training of students.

School of Consumer and Family Sciences

Honors Council (1994-2004, Chair, 2001)

Interdepartmental Nutrition Program

Admissions Committee (1994-present, Chair 1994-2006)

Executive Committee (2017-2020)

Education Committee (2001-2006, co-Chair 2001-2006, 2019-2021)

Coordinated assessment and update of curriculum for program (2011)

Graduate Committee (2001-2017)

Curriculum Development Committee (1995-1997)

College of Health and Human Sciences

Faculty Affairs Committee (2022-present), co-chair COACHE committee

Primary Committee Member, Health and Kinesiology (adhoc), Spring 2022

Director, HHS Undergraduate Research Education and Community Engagement Honors Scholars Program (2019-2021)

Research Advisory Council (2019-2020)

Reviewer, Christine M. Ladisch Faculty Leadership Award (2020)

Representative, Research Roundtable (2019)

Reviewer, Hatch Grants (every year)

Graduate Program Development and Leadership as Associate Dean (2012-2019)

Associate Dean for Research and Graduate Programs

Founder and lead, Graduate Education Policy and Curriculum Committee

Representative, Graduate School Executive Council

Developed and implemented college Outstanding Doctoral and Masters awards

Developed and implemented college Outstanding Graduate Faculty Mentor award

Developed and implemented Compton Graduate Student Research Travel awards

Developed and implemented college Graduate Student Teaching Award

Coordinated college Graduate Fellowships and Awards

Created and coordinated graduate student professional development events

Created and coordinated fellowship grant writing resources and support for graduate students

Coordinated and grew support for programs to promote diversity in graduate admissions

Co-creator of University program to promote success and retention for students supported by diversity graduate fellowship

Created system and led review of HHS graduate courses

Supported graduate program assessment in HHS

Associate Dean for Research Accomplishments

Created and led the HHS Research Advisory Council

Representative to the office of the Executive Vice President for Research and Partnerships

Chair, Advanced Methodologies Cluster Hire, 2015 (co-wrote request with CLA for cluster support from the Provost, co-created cluster support organization)

Created and implemented cross-University “Health and Disease: Science, Technology, Culture and Policy Research” poster session

Developed program and selected Areas of Excellence for HHS

Life Sciences MRI: facilitated acquisition and funding and space for new building for on campus facility

Lead development of cross-departmental research themes for HHS

Developed and implemented HHS Undergraduate Research Honors Scholars Program

Increased visibility of HHS, including development of research brochure, research website, undergraduate research website, HHS newsletter

Lead, Chronic Disease Research Interest Group (2010-2012)

Developed HHS Undergraduate Research Honors Scholars program (2019)

University

Member, Internal Advisory Committee, Purdue Institute for a Sustainable Future (2024-present)

Grant Reviewer, Purdue University Center for Cancer Research, Spring 2022

Faculty Insights Forum Mentor, (Mendrysa, 2022-23; Rispoli 2016)

Mentor, Develop Me 2.0 (Sylvia Saxena, 2023-present)

Women's Global Health Institute, Director (2019-present)

Note: Includes retooling mission and vision, coordinating annual symposium and poster session, other research and engagement events, organization of grant solicitation and review, maintenance of website, oversight over Manager, fundraising with development, inviting and meeting with internal and external advisory committees, creating research collaborations, writing grants, weekly meetings with staff and co-Director, developing partnerships with Institutes and Centers, etc. Founded and leads organization of the 'Leading the Way' interview series which hosts distinguished scientists and leaders on their contributions on women's health, insights on career path, and experience on work-life balance.

Susan Bulkeley Butler Center for Leadership Excellence, Faculty Partner (2021-present)

Purdue Policy Research Institute Faculty Affiliate (2020-present)

Member, Project Development Team, Indiana Clinical Translational Science Institute (2016-present)

Primary Committee (adhoc), Health and Kinesiology, Spring 2022

Purdue Policy Research Panel Discussant, Contemporary Matters (2020)

Steps to Leaps, Panel Participant (2020)

Agseed Grant Reviewer (2020)

Member, review committee for faculty scholars, college of Pharmacy

Coordinator, Judges for selected period, Office of Undergraduate Research Conference, 2012-2019

Organized Health and Disease: Science, Technology, Culture and Policy Research poster session, engaged 9 colleges support (2016-2019)

Graduate Council (2008-2011)

Graduate Council Task Force on Level of Graduate Faculty (2008-2009)

Member, Selection Committee for Distinguished Women Scholars, Office of the Provost (2012)

Member, Butler Center for Leadership Excellence Purdue Women Lead Advisory Committee (2011-2012)

Integrated Data Science Advisory Committee member (2018-2019)

Office of Undergraduate Research Faculty Advisory Committee (2017-2019)

Committee Member, Discovery Park Data Science Research (2017)

Committee Member, Proposer Undergraduate Research Office, Initiator and Lead

Reviewer, Faculty Scholar nominees, College of Pharmacy (2015)

Discovery Park Research Faculty Committee (2011-2019)

Search Committee, Managing Director, Discovery Learning Research Center (2014)

Member, Epigenetics Cluster Hire Master Committee (2012-2013)

Search Committee for Bindley Bioscience Center Associate Director (2012)

Primary Committee, Human Development and Family Sciences (2013)

Vice President of Research Task Force for Research Faculty (2009-2010)

Member, VPR Committee on Research Integrity (2009-2016)

Committee Member, Institutional Review Board for Human Use (2005-2007)

Faculty Search Committee Member, Department of Food Science (2004-2005)

4H Youth Food Science and Nutrition Workshops (Summers 1993-1994)

External Service (selected)

Reviewer National Institute of Health Cancer Prevention Study Section, 2024/05 February 2024

Reviewer National Cancer Institute SPORE P(50) 2024/05 ZCA1 RPRB-6 (M1) P, Review SEP-II, February 2024

Reviewer National Cancer Institute Special Emphasis Panel (SEP) SEP-4: NCI Clinical and Translational Cancer Research ZCA1 SRB-A (J1), Oct 2023

Reviewer Special Emphasis Panel (SEP) "*Cancer Prevention and Immunotherapy"* , ZRG1 CDPT-L (02) M), Dec 2022

Reviewer National Cancer Institute Special Emphasis Panel: Metabolic Dysfunction and Cancer Risk, Feb 2022

Member Food and Nutrition Board (FNB) of the National Academies of Sciences, Engineering, and Medicine (new committee): *Standing Committee on Evidence Synthesis, and Communications in Diet and Chronic Disease Relationships*. 2021 -present

Reviewer NIH Special Emphasis Panel/Scientific Review Group ZCA1 RTRB-U (J1) R, Feb 2021

Reviewer NIH Cancer Prevention Study Section June 2021

Reviewer USDA NIFA grant review panel 2017-2022 (yearly)

Reviewer Susan G. Komen Tissue Bank at IU Simon Cancer Center Grants 2013-present

Reviewer NIH SBIR/STTR grant review March 2021

Reviewer Department of Defense Breast Cancer Research Program (BCRP) Cycle 3 Cell Biology (CB), Fall 2020.

Guest Associate Editor Frontiers in Oncology, Fall 2020

Reviewer American Cancer Society, Mission Boost 2018-2020 (including summer, fall and spring 2019-2020)

Reviewer NIH Special Emphasis Panel, ZRG1 OTC-T (02) M, 2019

Reviewer NIH Special Emphasis Panel, ZRG1 OTC-K (03), 2019

Reviewer NIH Special Emphasis Panel of P01 applications for the National Cancer Institute Program Project Applications, Fall 2019

Reviewer American Cancer Society, Carcinogenesis, Nutrition and the Environment, 2005-2018 (2/year), Chair

Co-chair International Breast Cancer and Nutrition: A model for Research, Training and Policy in Diet, Epigenetics, and Chronic Disease Prevention, Experimental Biology, San Diego 2014.

Reviewer Cancer Research UK Catalyst awards – 2016-2019

Reviewer National Cancer Institute Special Emphasis Panel, ZRG1 OTC-K (03), Dietary Chemoprevention, January, 2013

Reviewer National Institute of Health ZCA1 RTRB Special Emphasis Panel, June 2012

Reviewer National Cancer Institute Chemo/Dietary Prevention study section (ad hoc) June, 2012

Reviewer National Institute of Diabetes and Digestive Diseases and Kidney Diseases 2011

Reviewer National Center for Complementary and Alternative Medicine, Clinical Studies on CAM, February 2008

Reviewer Indiana State Department of Health (ISDH) Spinal Cord and Brain Injury Fund (ISCBIRF) Grant Program, 2007

Reviewer National Center for Complementary and Alternative Medicine, Special Emphasis Panel, Clinical Science, February 2007

Reviewer NIH Endocrinology, Metabolism, Nutrition and Reproductive Sciences Fellowship Panel, July 2006

Invited participant NIH Vitamin D and Cancer conference; May 2007

Scientific Expert IFIC, Foundation Media Guide on Food Safety & Nutrition 2007

Co-Chair Symposium, American Society of Nutrition, Experimental Biology Meeting, 2006

Reviewer National Institute of Diabetes and Digestive Diseases and Kidney Diseases, Special Emphasis Panel, Small Clinical Grants in Digestive Diseases and Nutrition, April 2006

Reviewer NIH National Institute of Diabetes and Digestive and Kidney Diseases, Small Clinical Grants in Obesity and Nutrition, July 2006

Reviewer National Center for Complementary and Alternative Medicine, Special Emphasis Panel, Clinical Science, February 2006

Reviewer	National Institute of Diabetes and Digestive Diseases and Kidney Diseases Special Emphasis Panel “Small Clinical Research Grants in Digestive Diseases and Nutrition”; December 2005
Reviewer	National Institute of Diabetes and Digestive Diseases and Kidney Diseases Special Emphasis Panel “Small Clinical Research Grants in Digestive Diseases and Nutrition”; July 2005
Coordinator, Chair	Diary product components and body composition, American Society of Nutrition Science symposium, Experimental Biology, 2002.
Co-chair	Dairy Product Components and Weight Regulation. American Society of Nutrition Science, presented "Calcium intake and reduction in fat mass.", April 2001
Co-chair	Fatty Acids and Lipids Symposium, American Society of Nutrition, Experimental Biology, San Diego California, April 2000.
Speaker	‘Meet the Researchers’, a special program sponsored by National Dairy Council for media representatives in November, 1999.
Chair	Dietary Intakes Session, International Symposium on Statistics:Workshop on Nutrition. West Lafayette IN, June 1998