

Michael W. Greene, Ph.D.

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Online Research Profiles: [ResearchGate Profile](#), [Google Scholar Profile](#), [ORCID](#), and [NCBI Bibliography](#)

EDUCATION:

- 2003 Postdoctoral Fellowship
 Department of Chemical and Systems Biology (formerly Molecular Pharmacology)
 Stanford University, Stanford, California
 (Advisor: Richard A. Roth, Ph.D.)
- 2001 Postdoctoral Fellowship
 Department of Cardiovascular and Metabolic Diseases
 Pfizer Inc., Groton, Connecticut
 (Advisor: Robert S. Garofalo, Ph.D.)
- 1998 Ph.D. in Molecular and Cell Biology
 University of Connecticut, Storrs, Connecticut
 (Advisor: Thomas T. Chen, Ph.D.)
 University of Maryland, Baltimore County, Baltimore, Maryland
 (transferred to University of Connecticut with advisor)
- 1992 M.S. in Aquatic Toxicology
 School of Fisheries
 University of Washington, Seattle, Washington
 (Advisor: Richard Kocan, Ph.D.)
- 1988 B.S. in Biology and Marine Science
 University of Miami, Coral Gables, Florida
 (Senior Thesis: Michael C. Schmale, Ph.D.)

PROFESSIONAL POSITIONS:

- 2019-2021 Mike and Leann Rowe Endowed Professorship in International Studies
- 2018-present Associate Professor, College of Human Sciences, Auburn University, Auburn, AL
- 2018-present Member, Center for Neuroscience Initiative, Auburn University, Auburn, AL
- 2014-present Director, Auburn University Metabolic Phenotyping Laboratory (AUMPL),
Auburn University, Auburn, AL
- 2013-present Member, Cellular and Molecular Biosciences Program, Auburn University,
Auburn, AL
- 2012-present Investigator, Boshell Diabetes and Metabolic Disease Research Program, Auburn
University, Auburn, AL
- 2012-present Investigator, Auburn University Research Initiative in Cancer (AURIC), Auburn
University, Auburn, AL
- 2012-2018 Assistant Professor, College of Human Sciences, Auburn University, Auburn, AL
- 2010-2012 Head, Basic Science Group, Bassett Research Institute, Mary Imogene Bassett
Hospital, Bassett HealthCare Network, Cooperstown, NY
- 2003-2012 Research Scientist, Bassett Research Institute, Mary Imogene Bassett Hospital,
Bassett HealthCare Network, Cooperstown, NY
- 2003 Consultant, CellGate, Inc., Sunnyvale, CA
- 1995-1998 Graduate Assistant, Department of Molecular and Cell Biology, University of
Connecticut, Storrs, CT
- 1993 Research Assistant, Department of Pathology, Portland VA Medical Center,
Portland, OR
- 1990-1992 Consultant, School of Fisheries, University of Washington, Seattle, WA

1985-1990 Research technician, Rosenstiel School of Marine and Atmospheric Sciences,
University of Miami, Miami, FL

PUBLICATIONS: d human c

1. Consensus molecular subtype differences linking colon adenocarcinoma and obesity revealed by a cohort transcriptomic analysis. (2021) **Greene, M.W.**, Abraham, P.T., Kuhlers, P. C., Likpe, E. A., Heslin, M. J., Wijaya, S. T., and Odeniyi, I. medRxiv. 2021:2021.08.31.2126290
2. Dolan, L., Smith, K. S., Marlin, M. B., Bell, L. N., Blythe, E., **Greene, M. W.**, and Frugé, A. D. (2021) Food security, obesity, and meat-derived carcinogen exposure in US adults. *Food and Chemical Toxicology* (in press)
Impact Factor: 6.025 (#12 out of 144 in Food Science & Technology by Eigenfactor Score)
3. Higgins, K. V., Woodie, L. N., Hallowell, H., **Greene, M. W.**, and Schwartz, E. H. (2021) Integrative longitudinal analysis of metabolic phenotype and microbiota changes during the development of obesity. *Frontiers in Cellular and Infection Microbiology* Volume 11, p.3768
Impact Factor: 5.238 (#17 out of 136 in Microbiology by Eigenfactor Score)
4. Couto, R., Frugé, A. D. and **Greene, M. W.** (2021) Adherence to the Mediterranean Diet in a Portuguese Immigrant Community in the Central Valley of California. *Nutrients* Volume 33, Issue 6 p.1989
Impact Factor: 5.719 (#2 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
5. **Greene, M.W.**, Roberts, A.P., and Fruge, A.D. (2021) Negative association between Mediterranean Diet adherence and COVID-19 cases and related deaths in Spain and 23 OECD countries: an Ecological Study. *Frontiers in Nutrition* Volume 8, p.1-7
Impact Factor: 6.576 (#32 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
6. Ahmed, B., Sultana, R., and **Greene, M.W.** (2021) Adipose tissue and insulin resistance in obese. *Biomedicine & Pharmacotherapy* Volume 137, p.111315
Impact Factor: 6.530 (#2 out of 271 in Pharmacology & Pharmacy by Eigenfactor Score)

7. Schwartz, E. H., Johnson, R.M., Olatunde, A.O., Woodie, L.N., and **Greene, M.W.** (2021) The systemic and cellular metabolic phenotype of infection and immune response to *Listeria monocytogenes*. *Frontiers in Immunology* Volume 11, p.3768
Impact Factor: 7.561 (#1 out of 159 in Immunology by Eigenfactor Score)
8. Smith, S. S., **Greene, M.W.**, Jeganathan, R.B., and Fruge, A.D. (2021) Psychobiotics as treatment for mental health conditions and related symptoms. *Nutritional Neuroscience* 24:12, 963-977 doi.org/10.1080/1028415X.2019.1701220
Impact Factor: 5.000 (#53 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
9. Polyzos, S. A., Kang, E. S., Tsochatzis, E. A., Kechagias, S., Ekstedt, M., Xanthakos, S., Lonardo, A., Mantovani, A., Tilg, H., Isabelle Côté, I., Aldo Grefhorst, A., **Greene, M. W.**, Araujo-Vilar, D., Alisi, A., Casanueva, F., and Mantzoros, C. S. (2020) Nonalcoholic or metabolic dysfunction-associated fatty liver disease? The epidemic of the 21st century in search of the most appropriate name. *Metabolism, Clinical and Experimental* Volume 113, 154413. doi.org/10.1016/j.metabol.2020.154413
Impact Factor: 8.697 (#26 out of 146 in Endocrinology & Metabolism by Eigenfactor Score)
10. Maguire, A. S., Woodie, L.N., Judd, R. L., Martin, D. R., **Greene, M.W.** and Graff. E.C., (2020) Whole-slide image analysis outperforms micrograph acquisition for adipocyte size quantification. *Adipocyte* Volume 9, Issue 1, p567-575
Impact Factor: 4.534 (#117 out of 146 in Endocrinology & Metabolism by Eigenfactor Score)
11. Schaberg, M. N., Smith, S. S., **Greene, M.W.**, and Fruge, A.D. (2020) Characterizing demographic and geographical differences in health beliefs and dietary habits related to colon cancer risk in US adults. *Frontiers in Nutrition* 7: 568642 doi: 10.3389/fnut.2020.568643
Impact Factor: 6.576 (#32 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
12. Woodie, L.N., Johnson, R.M., Ahmed, B., Haynes, W., Fowler. S., Carmona, B., Reed, M., Suppiramaniam, V., and **Greene, M.W.** (2020) Western Diet-Induced Obesity Disrupts Diurnal Rhythmicity in the Mouse Hippocampus. *Brain, Behavior, and Immunity* S0889-1591(20)30047-7. doi: 10.1016/j.bbi.2020.05.053
Impact Factor: 7.217 (#27 out of 273 in Neurosciences by Eigenfactor Score)
13. Woodie, L.N., Neinast, C.E., Haynes, W., Ahmed, B., Graff. E.C., and **Greene, M.W.** (2020) The physio-metabolic effects of time-restricting liquid sugar intake to six-hour windows during the mouse active phase. *Physiology & Behavior* Volume 223, p 112905

Impact Factor: 3.244 (#7 out of 53 in Behavioral Sciences by Eigenfactor Score)

14. Knight, C. J., Jackson, O., Rahman, I., Burnett, D.O., Fruge, A.D., and **Greene, M.W.** (2019) The Mediterranean diet in the Stroke Belt: a cross-sectional study on adherence and perceived knowledge, barriers, and benefits. *Nutrients* 11(8), 1847;
<https://doi.org/10.3390/nu11081847>
Impact Factor: 5.719 (#2 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
15. Chester, B., Jeganathan, R., **Greene, M. W.**, and Thangiah, G. (2019) The Effects of popular diets on type 2 diabetes management. *Diabetes/Metabolism Research and Reviews* 35(8), e3188
Impact Factor: 4.876 (#51 out of 146 in Endocrinology & Metabolism by Eigenfactor Score)
16. Smith, K. Rundquist, S., **Greene, M. W.**, and Fruge, A.D. (2019) Development of the Dietary Habits and Colon Cancer Beliefs Survey (DHCCBS); an instrument assessing health beliefs related to red meat and green leafy vegetable consumption. *Journal of Oncology* 2019, 2326808
Impact Factor: 4.375 (#161 out of 243 in Oncology by Eigenfactor Score)
17. Willis, A. W., Brown, O., and **Greene, M.W.** (2019) The use of theory in cardiovascular disease interventions promoting a Mediterranean style diet: a systematic review. *Nutrition, Metabolism & Cardiovascular Diseases* Apr;29(4):325-333
Impact Factor: 3.318 (#21 out of 81 in Nutrition & Dietetics by Eigenfactor Score)
18. Woodie, L. N., Altonji, O. M., Huggins, K., and **Greene, M.W.** (2018) The high-fat diet and the effects of its consumption on the Hypothalamus and Hippocampus. *CAB Reviews* 14: 1-9.
H index: 21 (#143 out of 268 in Agriculture and Biological Sciences by Scimago Rank))
19. O'Neill, A.M., Gillaspie, E., Burrington, C. M., Lynch, D. T., Dauchy, R.T., Blask, D. E., Tirrell, P.C., Reis, B., Horesman, M.J., and **Greene, M.W.** (2018) Development and characterization of a novel congenic rat strain for cancer research. *Nutrition and Cancer* doi: 10.1080/01635581.2018.1412483
Impact Factor: 2.900 (#44 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
20. Woodie, L.N., Luo, Y., Wayne, M. J., Graff, E.C., O'Neill, A.M., and **Greene, M.W.** (2018) Restricted feeding for 9 hours in the active period partially abrogates the detrimental metabolic effects of a Western diet with liquid sugar consumption in mice. *Metabolism Experimental and Clinical* 82:1-13 (<https://doi.org/10.1016/j.metabol.2017.12.004>)
Impact Factor: 8.697 (#26 out of 146 in Endocrinology & Metabolism by Eigenfactor Score)

21. Bottcher, M.R., Marincic, P. Z., Nahay, K.L., Baerlocher, B.E., Willis, A.W., Park, P., Gaillard, P. and **Greene, M.W.** (2017) Nutrition knowledge and Mediterranean diet adherence in the southeast United States: Validation of a field-based survey instrument. *Appetite*. 2017;111:166-76 doi: 10.1016/j.appet.2016.12.029. Epub 2016 Dec 21.
Impact Factor: 3.868 (#4 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
22. Kothari, V., Luo, Y., Tornabene, T., O'Neill, A.M., **Greene, M.W.** Thangiah, G., and Babu, J.R. (2017) High fat diet induces brain insulin resistance and cognitive impairment in mice. *BBA – Molecular Basis of Disease*. 1863:499-508 doi: 10.1016/j.bbadis.2016.10.006. Epub 2016 Oct 19.
Impact Factor: 5.187 (#49 out of 297 in Biochemistry & Molecular Biology by Eigenfactor Score)
23. O'Neill, A.M., Burrington, C. M., Gillaspie, E.A., Lynch, D.T., Horsman, M.J., and **Greene, M.W.** (2016) High fat western diet induced obesity contributes to increased tumor growth in mouse models of human colon cancer. *Nutrition Research*. 36:1325-34 doi: 10.1016/j.nutres.2016.10.005. Epub 2016 Oct 21.
Impact Factor: 3.315 (#37 out of 89 in Nutrition & Dietetics by Eigenfactor Score)
24. Luo, Y., Burrington, C. M., Graff, E.C., Zhang, J., Judd, R.L., Suksaranjit, P., Kaewpoowat, Q., Davenport, S.K., O'Neill, A.M., and **Greene, M.W.** (2016) Metabolic phenotype and adipose and liver features in the high fat Western diet-induced mouse model of obesity-linked NAFLD. *Am J Physiol Endocrinol Metab*. Mar 15; 310(6):E418-39. doi: 10.1152/ajpendo.00319.2015. Epub 2015 Dec 15.
Impact Factor: 4.310 (#15 out of 146 in Endocrinology & Metabolism by Eigenfactor Score)
25. Blask, D. E., Dauchy, R. T., Dauchy, E. M., Mao, L., Hill, S. M., **Greene, M. W.**, Belancio, V. P., Sauer, L. A., and Davidson, L. (2014). Light exposure at night disrupts host/cancer circadian regulatory dynamics: impact on the warburg effect, lipid signaling and tumor growth prevention. *PLoS One* 9(8): e102776.
Impact Factor: 3.402 (#2 out of 73 in Multidisciplinary Sciences by Eigenfactor Score)
26. Zhang, J., Burrington, C.M., Davenport, S.K., Johnson, A.K., Horsman, M.J., Chowdhry, S., and **Greene, M.W.** (2014) PKCdelta regulates hepatic triglyceride accumulation and insulin signaling in Lepr mice. *Biochem Biophys Res Commun*. doi: 10.1016/j.bbrc.2014.07.048. Epub 2014 Jul 15.

Impact Factor: 3.575 (#11 out of 297 in Biochemistry & Molecular Biology by Eigenfactor Score)

27. **Greene, M.W.**, Burrington, C. M., Luo, Y., Ruhoff, M. S., Lynch, D. T., and Chaithongdi, N. (2014) PKC δ is activated in the liver of obese Zucker rats and mediates diet-induced whole body insulin resistance and hepatocyte cellular insulin resistance. *J. Nutr. Biochem.* 25(3):281-8. doi: 10.1016/j.jnutbio.2013.10.008. Epub 2013 Nov 15.

Impact Factor: 4.592 (#12 out of 80 in Nutrition & Dietetics by Eigenfactor Score)

28. **Greene, M.W.**, Burrington, C. M., Lynch, D. T., Davenport, S. K., Johnson, A. J., Horsman, M. J., Chowdhry, S., Zhang, J., Sparks, J. D., and Tirrell, P. C. (2014) Lipid metabolism, oxidative stress and cell death are regulated by PKC delta in a dietary model of nonalcoholic steatohepatitis. *PLoS ONE* 9(1): e85848. doi:10.1371/journal.pone.0085848

Impact Factor: 3.402 (#2 out of 73 in Multidisciplinary Sciences by Eigenfactor Score)

29. **Greene, M.W.** (2012) Circadian rhythms and tumor growth. *Cancer Lett.* 318(2):115-123.

Impact Factor: 8.679 (#21 out of 243 in Oncology by Eigenfactor Score)

30. Wu, J., Dauchy, R.T., Tirrell, P.C., Wu, S. S., Lynch, D. T., Jitawatanarat, J., Burrington, C. M., Dauchy, E.M., Blask, D. E. and **Greene, M.W.**, (2011) Light at night activates IGF-1R/PDK1 signaling and accelerates tumor growth in human breast cancer xenografts. *Cancer Res.* 71(1):2622-2631.

Impact Factor: 12.701 (#2 out of 243 in Oncology by Eigenfactor Score)

31. **Greene, M. W.**, Burrington, C. M., Ruhoff, M. S., Johnson, A. J., Chongkraitanakul, T. and Kangwanpornsir, A. (2010) Protein kinase C (PKC) delta is activated in a dietary model of steatohepatitis and regulates endoplasmic reticulum stress and cell death. *J. Biol. Chem.* 285(53):42115-42129.

Impact Factor: 5.175 (#6 out of 297 in Biochemistry and Molecular Biology by Eigenfactor Score)

32. Dauchy, R.T., Dauchy, E.M., Tirrell, R.P., Hill, C.R., Davidson, L.K., **Greene, M.W.**, Tirrell, P.C., Wu, J., Sauer, L.A., and Blask, D. E. (2010) Dark-phase light contamination disrupts circadian rhythms in plasma measures of endocrine physiology and metabolism in rats. *Comp Med.* 60(5):348-56.

Impact Factor: 0.982 (#79 out of 146 in Veterinary Sciences by Eigenfactor Score)

33. **Greene, M. W.**, Ruhoff, M. S., Burrington, C. M., Garofalo, R. S., and Orena, S. J. (2010) TNF α -induced insulin resistance in hepatocytes is mediated by PKC δ . *Cell. Signalling* 22(2):274-84.
Impact Factor: 4.315 (#73 out of 195 in Cell Biology by Eigenfactor Score)
34. Ruhoff, M. S., **Greene, M. W.**, and Peters, T. (2010) Location of the Mutation Site in the First Two Reported Cases of Analbuminemia. *Clinical Biochemistry* 43(4-5):525-527.
Impact Factor: 3.281 (#6 out of 29 in Medical Laboratory Technology by Eigenfactor Score)
35. Dauchy, R.T., Blask, D.E., Dauchy, E.M., Davidson, L.K., Tirrell, P.C., **Greene, M.W.**, Tirrell, R.P., Hill, C.R., and Sauer, L.A. (2009) Antineoplastic effects of melatonin on a rare malignancy of mesenchymal origin: melatonin receptor-mediated inhibition of signal transduction, linoleic acid metabolism and growth in tissue-isolated human leiomyosarcoma xenografts. *J Pineal Res.* 47:32-34.
Impact Factor: 13.007 (#44 out of 146 in Endocrinology by Eigenfactor Score)
36. **Greene, M. W.**, Ruhoff, M. S., Roth, R. A., Kim, J., Quon, M. J., and Krause, J. A. (2006) PKC δ -mediated IRS-1 Ser24 phosphorylation negatively regulates IRS-1 function. *Biochem. Biophys. Res. Commun.* 349(3): 976-986.
Impact Factor: 3.575 (#11 out of 297 in Biochemistry and Molecular Biology by Eigenfactor Score)
37. **Greene, M. W.**, Morrice, N., Garofalo, R. S., and Roth R. A. (2004). Modulation of human insulin receptor substrate-1 tyrosine phosphorylation by protein kinase Cdelta. *Biochem J.* 378(1): 105-116.
Impact Factor: 3.857 (#54 out of 297 in Biochemistry and Molecular Biology by Eigenfactor Score)
38. **Greene, M. W.**, Sakaue, H, Wang, L., Alessi, D., and Roth, R. A. (2003). Modulation of insulin-stimulated degradation of human insulin receptor substrate-1 by serine 312 phosphorylation. *J. Biol. Chem.* 278(10):8199-8211.
Impact Factor: 5.175 (#6 out of 297 in Biochemistry and Molecular Biology by Eigenfactor Score)
39. **Greene, M. W.** and Garofalo, R. S. (2002). Positive and negative regulatory role of insulin receptor substrate 1 and 2 (IRS-1 and IRS-2) serine/threonine phosphorylation. *Biochemistry* 41(22):7082-7092.

Impact Factor: 3.163 (#25 out of 297 in Biochemistry and Molecular Biology by Eigenfactor Score)

40. Yang, B. Y., **Greene, M.**, and Chen, T. T. (1999). Early embryonic expression of the growth hormone family protein genes in the developing rainbow trout, *Oncorhynchus mykiss*. *Mol. Reprod. Dev.* 53(2):127-34.

Impact Factor: 2.609 (#157 out of 291 in Biochemistry and Molecular Biology by Eigenfactor Score)

41. **Greene M. W.**, Shambloott M. J., and Chen T. T. (1999). Presence of GH-dependent IGF-II mRNA in the diffuse pancreatic tissue of a teleost. *Comp. Biochem. Physiol. Part B* 122:287-292.

Impact Factor: 2.175 (#157 out of 297 in Biochemistry and Molecular Biology by Eigenfactor Score)

42. **Greene, M. W.** and Chen, T. T. (1999a). Characterization of insulin receptor family members. I. Developmental expression of insulin receptor messenger RNAs in rainbow trout. *Gen. Comp. Endocrinol.* 115:254-269.

Impact Factor: 2.822 (#48 out of 146 in Endocrinology by Eigenfactor Score)

43. **Greene, M. W.** and Chen, T. T. (1999b). Characterization of insulin receptor family members. II. Developmental expression of IGF receptor messenger RNAs in rainbow trout. *Gen. Comp. Endocrinol.* 115:270-281.

Impact Factor: 2.822 (#48 out of 146 in Endocrinology by Eigenfactor Score)

44. **Greene, M. W.** and Chen, T. T. (1999c). Quantitation of IGF-I, IGF-II, and multiple insulin receptor family member messenger RNAs during embryonic development in rainbow trout. *Mol. Reprod. Dev.* 54:348-361.

Impact Factor: 2.609 (#157 out of 291 in Biochemistry and Molecular Biology by Eigenfactor Score)

45. Shambloott, M. J., Leung, M., **Greene, M. W.**, and Chen, T. T. (1998). Characterization of rainbow trout IGF-II gene: evidence for promoter CAAAT enhancer binding (C/EBP) sites and hepatic C/EBP. *Mar. Mol. Biol. Biotechnol.* 7(3):181-90.

Mar. Mol. Biol. Biotechnol. has been renamed Marine Biotechnol. (Impact Factor: 3.619)

46. **Greene, M. W.** and Chen, T. T. (1997). Temporal expression pattern of IGF mRNA during embryonic development in rainbow trout (*Oncorhynchus mykiss*). *Mar. Mol. Biol. Biotechnol.* 6(2):144-151.
Mar. Mol. Biol. Biotechnol. has been renamed Marine Biotechnol. (Impact Factor: 3.619)
47. **Greene, M. W.** and Kocan, R. M. (1997). Toxicological mechanisms of a multicomponent agricultural seed protectant in the rainbow trout (*Oncorhynchus mykiss*) and fathead minnow (*Pimephales promelas*). *Can. J. Fish. Aquat. Sci.* 54:1387-1390.
Impact Factor: 2.595 (#12 out of 111 in Fisheries by Eigenfactor Score)

SUBMITTED MANUSCRIPTS:

Consensus molecular subtype differences linking colon adenocarcinoma and obesity revealed by a cohort transcriptomic analysis. (2021) **Greene, M.W.**, Abraham, P.T., Kuhlers, P. C., Likpe, E. A., Heslin, M. J., Wijaya, S. T., and Odeniyi, I. *PLOS One*

Hassani, I., Anbiah, B., Kuhlers, P., Habbit. N.L., Ahmed, B. Martin J Heslin, M.J., Mobley, J.A., **Greene, M.W.***, and Lipke, E.A.* (2021) Engineered Colorectal Cancer Tissue Recapitulates Key Attributes of a Patient-derived Xenograft Tumor Line. *Advanced Healthcare Materials*
**Co-corresponding authors*

Willis, A. W., Braxton Lloyd, K., Patterson, K., Brown, O., and **Greene, M.W.** (2021) A theory-based nutrition education program improves Mediterranean diet adherence in a population at high risk for cardiovascular disease in the southeastern United States: a pilot randomized controlled trial. *Obesity Research & Clinical Practice*

BOOK CHAPTER OR ONLINE CONTENT:

2016 Greene M.W. Glucose Metabolism. In: Schwabe M, editor. *Encyclopedia of Cancer*. Springer Press. <http://www.springer.com/us/book/9783662468746>

2012 Greene M.W. Glucose Metabolism. In: Schwabe M, editor. *Encyclopedia of Cancer*. Springer Press. <http://www.springer.com/us/book/9783642164828>

THESIS AND DISSERTATION PUBLICATIONS:

- 1998 Greene, M. W. Developmental expression of insulin-like growth factor and insulin receptor family member messenger RNAs in rainbow trout (*Oncorhynchus mykiss*). Doctoral Dissertation, University of Connecticut
- 1992 Greene, M. W. The interaction toxicity of thiram and ethylene glycol: toxicological mechanisms in the rainbow trout (*Oncorhynchus mykiss*) and fathead minnow (*Pimephales promelas*). Master's Thesis, University of Washington

NEWSPAPER ARTICLES:

- Marincic, P. Z. and **Greene, M. W.** (2016, Nov 4). Nutrition on the Plains: An Apple a Day. In *Opelika-Auburn News*.
- Greene, M. W.** and Marincic, P. Z. (2016, Sept 23). Fruits and Vegetables: Things you may not know. In *Opelika-Auburn News*.
- Marincic, P. Z. and **Greene, M. W.** (2016, Mar 4). The results are in for the Dietary Guidelines 2015, and the winners are... . In *Opelika-Auburn News*.
- Greene, M. W.** and Marincic, P. Z. (2016, Jan 15). The annual obsession with diets. In *Opelika-Auburn News*.
- Marincic, P. Z. and **Greene, M. W.** (2015, Nov 20). Summer gives way to winter squash. In *Opelika-Auburn News*.
- Greene, M. W.** and Marincic, P. Z. (2015, Oct 2). With the new season comes fall fruits, vegetables. In *Opelika-Auburn News*.
- Marincic, P. Z. and **Greene, M. W.** (2015, Sept 3). Back to School: Nutrition Tips for Young Athletes. In *Opelika-Auburn News*.
- Greene, M. W.** and Marincic, P. Z. (2015, July 24). The Dog Days of Summer and Extra Virgin Olive Oil. In *Opelika-Auburn News*.

Marincic, P. Z. and **Greene, M. W.** (2015, June 26). Spinach: Nature's True Super Food! In *Opelika-Auburn News*.

Greene, M. W. and Marincic, P. Z. (2015, May 7). Herbs and Spices: Seasonings in your backyard and from around the World. In *Opelika-Auburn News*.

Marincic, P. Z. and **Greene, M. W.** (2015, March 26). Does the Easter Bunny have it right? In *Opelika-Auburn News*.

Greene, M. W. and Marincic, P. Z. (2015, February 26). The not so "bad" egg. In *Opelika-Auburn News*.

Marincic, P. Z. and **Greene, M. W.** (2015, January 24). Maintaining a Healthy Weight: Small Steps can Make Big Differences. In *Opelika-Auburn News*.

Greene, M. W. and Marincic, P. Z. (2014, December 21). Is it bad to skip a meal during the Holidays? In *Opelika-Auburn News*.

Greene, M. W. and Marincic, P. Z. (2014, November 23). The Humble Sweet Potato: It's not just for Thanksgiving. In *Opelika-Auburn News*.

Marincic, P. Z. and **Greene, M. W.** (2014, October 19). Nutritious Nuts: The Finer Fats. In *Opelika-Auburn News*.

Greene, M. W. and Marincic, P. Z. (2014, September 21). The not so sweet side of sugar sweetened beverages. In *Opelika-Auburn News*.

PRESS/NEWS FEATURES

October 2021 Research highlighted in the Fall/Winter 2021 "Auburn Research" publication produced by the Office of the Vice President for Research

June 2021 Auburn News Article titled 'Auburn Research Supports the Mediterranean Diet as Defense against Disease' featured on the Auburn University College of Human Sciences webpage.

http://www.humsci.auburn.edu/news/au_research_supports_the_mediterranean_diet_as_defense_against_disease.php

- July 2020 Auburn News Article titled 'Mediterranean diet, plant-based foods becoming more popular as pandemic disrupts food supply chain' featured on the Auburn University webpage The Frontline Auburn Experts Take On Coronavirus.
<https://ocm.auburn.edu/experts/2020/06/171100-plant-based-foods-diet.php?ref=coronavirus&cat=medical>
- April 2020 Research highlighted in the Spring 2020 "Auburn Research" publication produced by the Office of the Vice President for Research
- Sept 2019 Auburn News Article titled 'Auburn University nutrition researchers investigate promising keys to unlocking the mysteries of Alzheimer's disease' featured on the Auburn University homepage.
https://ocm.auburn.edu/newsroom/news_articles/2019/09/191336-nutrition-researchers-alzheimers-disease.php
- April 2018 Research highlighted in the 2018 Auburn University AAES Research Accomplishments
- April 2018 Research highlighted in the 2018 Auburn University AAES Annual Report
- March 2016 EagleEyeTv.com news article on the 'Western diet'. First aired: March 11, 2016.
<http://www.eagleeyetv.com/auburn-nutrition-expert-helps-students-stay-healthy-while-eating-on-campus/>
- March 2016 Auburn News Article titled 'Assistant professor, students' investigation of Western diet presented at Boshell Research Day' featured on the Auburn University homepage.
http://ocm.auburn.edu/newsroom/news_articles/2016/03/assistant-professor,-students-investigation-of-western-diet-presented-at-boshell-research-day.htm
- Sept. 2015 Auburn News Article titled 'New study tour option lets students experience Mediterranean Diet in Southern Italy' featured on the Auburn University homepage.
http://ocm.auburn.edu/newsroom/news_articles/2015/09/new-study-tour-option-lets-students-experience-mediterranean-diet-in-southern-italy.htm

AWARDS AND HONORS RECEIVED:

- 2019-2021 Mike and Leann Rowe Endowed Professorship in International Studies
- 2018 SGA Outstanding Faculty Member for the College of Human Sciences, Auburn University
- 2018 Camp War Eagle Academic Representative for the College of Human Sciences, Auburn University
- 2016-present Honorary Member Alpha Epsilon Delta Honor Society
- 1998-present Member of Phi Kappa Phi Honor Society
- 1991-1992 John N. Cobb Memorial Scholarship

INSTITUTIONAL SERVICE:

Auburn University

Department

- 2016-present Fred and Charlene Kam Endowed Fund for Research Excellence in Nutrition-Dietetics Committee
- 2015-present Haggard Family Annual Undergraduate Research Award Committee
- 2014-present Research sub-committee faculty head, Nutrition Advisory Board
- 2013-present Malone-Zallen Award Committee

College

- 2021 Mike and Leann Rowe Endowed Professorship in International Studies selection committee member
- 2019 College of Human Sciences Dean search committee member
- 2019-present Editorial Council member
- 2016-2020 Kappa Omicron Nu Honor Society Research Panel member
- 2015 College of Human Sciences Professional Development Contributor
- 2013 Center for Health Ecology Research Draft Committee

University

- 2019 Scientific Misconduct Inquiry Committee
- 2018-present Institutional Animal Care and Use Committee (IACUC) Member

- 2017-present Board of Directors, Boshell Diabetes and Metabolic Diseases Research Program
- 2017 Judge for College of Agriculture Graduate Student Poster Showcase 2017
- 2017-2019 Provost's Award for Faculty Excellence in Undergraduate Research Mentoring Committee
- 2017 Judge for Graduate student poster presentations, AU Research Week 2017
- 2017 Judge for Postdoctoral fellow/Graduate student poster presentations, 10th Annual Boshell Diabetes Research Symposium
- 2016-2019 University Senate, Departmental Senator
- 2016 Judge for Postdoctoral fellow/Graduate student poster presentations, 9th Annual Boshell Diabetes Research Symposium
- 2015 Judge for Postdoctoral fellow/Graduate student poster presentations, 8th Annual Boshell Diabetes Research Symposium
- 2014-2015 Research Infrastructure Task Force
- 2013-2018 Honors College Advisory Committee

Mary Imogene Bassett Hospital

- 2011-2012 General Medical Education Committee
- 2009-2012 E. Donnal Thomas Resident Research Review Committee (Chair)
- 2007-2012 Institutional Animal Care and Use Committee (IACUC) Member
- 2007-2012 E. Donnal Thomas Resident Research Review Committee (Member)
- 2007-2012 Radiation Safety Committee

MANUSCRIPT PEER REVIEW:

Editorial Positions

Academic Editor for PLOS One
Reviewer Board Member for Nutrients

Ad-hoc Journal Review

BBA - Molecular Basis of Disease, Biochimie, Bioessays, Biomedicine & Pharmacotherapy, British Journal of Nutrition, British Journal of Surgery, Cancer, Cancer Letters, Cancer Management and Research, Chemico-Biological Interactions, Diabetes, European Journal of Lipid Science and Technology, Experimental and Molecular Pathology, FEBS Open Bio, Food & Function, Food and Nutrition Research, Gastroenterology, Journal of Hepatology, Journal of International Medical Research, Journal of Nutritional Biochemistry, Journal of the American Association for

Laboratory Animal Science, Journal of Proteome Research, Journal of Translational Medicine, Metabolism, Molecular and Cellular Endocrinology, Nature Communications, Nutrients, Nutrition, Nutrition & Cancer, Nutrition and Diabetes, Metabolism & Cardiovascular Diseases, Oxidative Metabolism and Cellular Longevity, Physiology & Behavior, PLOS Computational Biology, PLOS One, Preventive Medicine Reports, Proceedings of the National Academy of Sciences (PNAS), Stress, and Toxicology Research

GRANT PEER REVIEW:

2021	Medical Research Council (UK): Career Development Award
2020	Croatian Science Foundation (HRZZ) September Review Cycle
2019	AU IGP Grant Program
2018	Diabetes UK: Project Grant Program (Review Cycle)
2018	USDA-AAES Agricultural Research Enhancement and Seed Funding Program
2018	AU IGP Grant Program
2017	AU Research Initiative in Cancer: Major Grant Program
2016	Croatian Science Foundation (HRZZ) August Review Cycle
2016	Worldwide Cancer Research (formerly known as AICR) February Review Cycle
2016	USDA, Alabama Agricultural Experiment Station (AAES) Hatch Review
2015	USDA, National Institute of Food and Agriculture: Exploratory Research Program July Review Cycle
2015	Diabetes UK: Project Grant Program (Feb and July Review Cycles)
2014	USDA, Alabama Agricultural Experiment Station (AAES) Hatch Review
2013	AU Research Initiative in Cancer: Seed Award

- 2013 USDA, Alabama Agricultural Experiment Station (AAES) Hatch Review
- 2012 NIH ZRG1 EMNR-S (90) AREA:
Endocrinology, Metabolism, Nutrition and Reproduction
October Review Cycle
- 2012 NIH IPOD
Integrative Physiology of Obesity and Diabetes Study Section
October Review Cycle
- 2007 Israel Science Foundation

EXTERNAL TENURE REVIEW:

- 2021 University of Delaware
- 2020 Georgia State University
- 2017 Washington and Lee University

TEACHING EXPERIENCE:

Auburn University

<i>Course</i>	<i>Credits</i>	<i>Students</i>	<i>Term</i>
Nutrition in Disease Prevention (NTRI 5100/6100)	2	24	Summer 2021
Nutrition in Disease Prevention (NTRI 5100/6100)	2	31	Spring 2021
Nutrition and Health (NTRI 2000)	3	150	Spring 2021
Minerals (NTRI 7500)	3	13	Fall 2020
Minerals – Distance (NTRI 7506)	3	15	Fall 2020
Nutrition in Disease Prevention (NTRI 5100/6100)	2	9	Summer 2020
Nutrition in Disease Prevention (NTRI 5100/6100)	2	39	Spring 2020

Michael W. Greene

Nutrition and Health (NTRI 2000)	3	260	Spring 2020
Honors Undergraduate Research (NTRI 4980)	3	1	Spring 2020
Mediterranean Diet Pre-Study Abroad (NTRI 5380/6380)	1	14	Spring 2020
Minerals (NTRI 7500)	3	7	Fall 2019
Minerals – Distance (NTRI 7506)	3	6	Fall 2019
Nutrition in Disease Prevention (NTRI 5100/6100)	2	24	Spring 2019
Nutrition and Health (NTRI 2000)	3	257	Spring 2019
Honors Nutrition and Health (NTRI 2007)	3	17	Spring 2019
Honors Research Seminar (HONR 3987)	3	8	Spring 2019
Undergraduate Research (NTRI 4980)	3	1	Spring 2019
Minerals (NTRI 7500)	3	7	Fall 2018
Minerals – Distance (NTRI 7506)	3	13	Fall 2018
Mediterranean Diet Study Abroad (NTRI 5380)	4	13	Summer 2018
Nutrition in Disease Prevention (NTRI 6106)	2	9	Summer 2018
Honors Undergraduate Research (NTRI 4980)	3	1	Summer 2018
Nutrition in Disease Prevention (NTRI 5100/6100)	2	24	Spring 2019
Nutrition and Health (NTRI 2000)	3	257	Spring 2019
Honors Nutrition and Health (NTRI 2007)	3	17	Spring 2019
Honors Research Seminar (HONR 3987)	3	8	Spring 2019
Undergraduate Research (NTRI 4980)	3	1	Spring 2019
Nutrition in Disease Prevention (NTRI 5100/6100)	2	15	Spring 2018
Nutrition and Health (NTRI 2000)	3	233	Spring 2018
Honors Nutrition and Health (NTRI 2007)	3	8	Spring 2018
Honors Research Seminar (HONR 3987)	3	11	Spring 2018
Mediterranean Diet Pre-Study Abroad (NTRI 5380)	1	13	Spring 2018
Honors Undergraduate Research (NTRI 4980)	3	1	Spring 2018
Minerals (NTRI 7500)	3	12	Fall 2017
Minerals – Distance (NTRI 7506)	3	8	Fall 2017
Undergraduate Research and Study (NTRI 4980)	2	3	Summer 2017

Mediterranean Diet Study Abroad (NTRI 5380)	4	8	Summer 2017
Nutrition in Disease Prevention (NTRI 5100 sec 01)	2	9	Spring 2017
Nutrition in Disease Prevention (NTRI 5100 sec 02)	2	5	Spring 2017
Nutrition in Disease Prevention (NTRI 6100)	2	3	Spring 2017
Nutrition and Health (NTRI 2000)	3	181	Spring 2017
Honors Nutrition and Health (NTRI 2007)	3	12	Spring 2017
Honors Research Seminar (HONR 3987)	3	13	Spring 2017
Minerals (NTRI 7500)	3	12	Fall 2016
Minerals – Distance (NTRI 7506)	3	5	Fall 2016
Mediterranean Diet Study Abroad (NTRI 5380)	5	8	Summer 2016
Mediterranean Diet Study Abroad (NTRI 6380)	5	3	Summer 2016
Nutrition in Disease Prevention (NTRI 5100)	2	5	Summer 2016
Advanced Independent Study (NTRI 7930)	3	1	Summer 2016
Mediterranean Diet Pre-Study Abroad (NTRI 5380)	1	8	Spring 2016
Mediterranean Diet Pre-Study Abroad (NTRI 6380)	1	2	Spring 2016
Nutrition in Disease Prevention (NTRI 5100 sec 01)	2	25	Spring 2016
Nutrition in Disease Prevention (NTRI 5100 sec 02)	2	3	Spring 2016
Nutrition in Disease Prevention (NTRI 6100)	2	2	Spring 2016
Nutrition in Disease Prevention (NTRI 6106)	2	1	Spring 2016
Nutrition and Health (NTRI 2000)	3	249	Spring 2016
Honors Nutrition and Health (NTRI 2007)	3	8	Spring 2016
Honors Thesis (NTRI 4997)	2	1	Spring 2016
Minerals (NTRI 7500)	3	15	Fall 2015
Minerals – Distance (NTRI 7506)	3	5	Fall 2015
Methods of Research (NTRI 7050)	2	22	Fall 2015
Methods of Research – Distance (NTRI 7056)	2	10	Fall 2015
Research Seminar (NTRI 7850-8850)	1	7	Fall 2015
Special Problems (NTRI 7960)	3	1	Fall 2015
Mediterranean Diet Study Abroad (NTRI 5380)	5	12	Summer 2015
Honors Research Seminar (HONR 3987)	3	12	Spring 2015

Michael W. Greene

Mediterranean Diet Pre-Study Abroad (NTRI 5380)	1	12	Spring 2015
Nutrition in Disease Prevention (NTRI 5100)	2	15	Spring 2015
Nutrition in Disease Prevention (NTRI 6100)	2	2	Spring 2015
Honors Nutrition and Health (NTRI 2007)	3	12	Spring 2015
Undergraduate Research and Study (NTRI 4980)	2	1	Spring 2015
Directed Studies (NTRI 4930)	1	1	Spring 2015
Nutrition in Disease Prevention (NTRI 5100)	2	15	Fall 2014
Nutrition in Disease Prevention (NTRI 6100)	2	3	Fall 2014
Minerals (NTRI 7500)	3	12	Fall 2014
Honors Nutrition and Health (NTRI 2007)	3	8	Fall 2014
Nutrition in Disease Prevention (NTRI 5100)	2	14	Spring 2014
Honors Nutrition and Health (NTRI 2007)	3	9	Spring 2014
Honors Nutrition and Health (NTRI 2007)	3	25	Fall 2013
Minerals (NTRI 7500)	2	12	Fall 2013
Undergraduate Research and Study (NTRI 4980)	2	2	Fall 2013
Honors Nutrition and Health (NTRI 2007, sec 001)	3	20	Spring 2013
Honors Nutrition and Health (NTRI 2007, sec 002)	3	20	Spring 2013
Nutrition and Health (NTRI 2000)	3	109	Fall 2012

University of Connecticut

Course

Term

Experiments in Molecular Genetics Lab

Fall 2007

Head TA (MCB 215/323)

Intro. Biology Lab - TA (BIO 107)

1995-1997 (Fall and Spring)

University of Maryland, Baltimore County

Course

Term

Cell Biology Lab - TA (BIOL 303)

Fall 1994

Intro. Biology Lab -TA (BIOL 101)

Fall 1993

GUEST LECTURES:

Auburn University

Course

JS Bruno Study Abroad Program (Aricia, Italy)

Honors Lyceum (HONR 1087)

Cancer Biology & Genetics (VBMS 7970)

Honors Lyceum (HONR 1087)

Term

Fall 2021

Spring 2020

Fall 2019, Fall 2021

Spring 2016

COURSE DEVELOPMENT:

Auburn University

Minerals – Distance (NTRI 7506)

Methods of Research (NTRI 7050)

Methods of Research – Distance (NTRI 7056)

Mediterranean Diet Study Abroad (NTRI 5380)

Honors Research Seminar (HONR 3987)

Nutrition in Disease Prevention (NTRI 5100)

Nutrition in Disease Prevention (NTRI 6100)

Minerals (NTRI 7500)

Description

new class offering (Fall 2015)

redesign (Fall 2015)

redesign (Fall 2015)

new class offering (Spring 2015)

new class offering (Spring 2015)

new class offering (Spring 2014)

new class offering (Fall 2014)

redesign from 2 to 3 credit hours

PROFFESIONAL DEVELOPMENT:

Instructional

- 2020 Mentor Training Seminar: Charting the Course: Optimizing Mentoring Relationships
- 2019 Academic Training in Rigor, Reproducibility and Transparency. University of Alabama at Birmingham Center for clinical and Translational Sciences
- 2019 AU Biggio Center Workshop: Mental Health and College Students: The Professor's Role
- 2017 AU Biggio Center EASL Academy 1.4: Integration Follow-Up
- 2017 AU Biggio Center EASL Academy 1.3: Space: the learning frontier
- 2014 AU Security Awareness Training
- 2013 Mid-Semester Small Group Instructional Feedback (NTRI 2007)
- 2012 AU Biggio Center Seminar: PDS: Concept Mapping for Learning Complex Topics

- 2012 AU Biggio Center Seminar: Effective Evaluation of Teaching: A Guide for Faculty and Administrators
- 2012 Mid-Semester Feedback (NTRI 2000)
- 2012-present Weekly Online Continuing Education
tomorrows-professor-bounces@mailman.stanford.edu
- 2012 New Faculty Teaching Scholar

Technical

- 2019 Academic Training in Rigor, Reproducibility & Transparency (R2T). CCTS, University of Alabama, Birmingham
- 2014 Sable Systems Spirometry Course. Las Vegas, NV
- 1999 BIA Basic Training Course. BIACORE AB, Piscataway, NJ

MENTORING EXPERIENCE:

Current Mentees

Junior Faculty

Peter, Weber, Ph.D.

Current Position

Assistant Professor, Auburn University

Graduate Student

Ifeoluwa Odeniyi (1st Yr)

Hadeel Aldhowayan (3rd Yr)

Serhat Yildiz (1st Yr)

Patrick Downing (2nd Yr)

Megan Roberts (2st Yr)

Courtney Bowden (2st Yr)

Kaitlin Carroll (2st Yr)

Current Position

PhD student, Auburn University

PhD student, Auburn University

MS student, Auburn University

MS student, Auburn University

MS student, Auburn University

MS student, Auburn University

MS student, Auburn University

Undergraduate Students

Peter Abraham

Grace Hester

Maria Buitrago Diaz

Position

Undergraduate Asst.

Undergraduate Asst.

Undergraduate Asst.

Institution

Auburn University

Auburn University

Auburn University

Past Mentees

Junior Faculty

Annie Kirby, Ph.D., R.D., L.D.

Current Position

Assistant Professor, Edward Via College of Osteopathic Medicine

Post-doctoral Fellow

Jinghai Wu, M.D., Ph.D.
Ann Marie O'Neill

Current Position

Research Scientist
Assistant Professor

Current Institution

Ohio State University
Auburn University at
Montgomery

PhD Graduate Student

Amy Willis, Ph.D., R.D., L.D.

Current Position

Clinical Dietitian

Current Institution

Fort Washington Medical
Center, MD

Yuwen Luo, Ph.D.

Maternity leave

N/A

Lauren Woodie, Ph.D.

Postdoctoral Fellow

Univ. of Penn Medical School

Bulbul Ahmed, Ph.D.

Postdoctoral Fellow

TBD

Masters Graduate Student

Michael Wayne
Mary Rose Bottcher
Makenzie Callahan

Current Position

Research Asst.
Clinical Dietitian
PhD student

Current Institution

UT Southwestern
Dallas, TX
Univ. of Alabama,
Birmingham
Montgomery, AL
Everett, WA
Davenport, Florida
New Orleans Saints/Pelicans
University of Michigan
Santa Rosa, CA
Encompass Health Columbia,
SC

Erin Landgrebe

Clinical Dietitian

Montgomery, AL

Jenna Plummer

Food & Nutrition

Everett, WA

Shane Braden

Clinical Dietitian

Davenport, Florida

Jennifer Goldstein

Sports Nutrition Fellow

New Orleans Saints/Pelicans

Caroline Knight

Sports Nutrition Fellow

University of Michigan

Sari Bornstein

Clinical Dietitian

Santa Rosa, CA

Megan Culbreth

Clinical Dietitian

Encompass Health Columbia,
SC

Roberto Couto

Clinical Dietitian

Fresno, CA

Luoqi Miao

Dietitian Intern

Yale Hospital, CT

Alexis Roberts

Dietitian Intern

TBD

Internal Medicine Residents

Matthew P. Gilbert, D.O., M.P.H.

Current Position

Attending - Endo

Current Institution

University of Vermont

Niyutchai Chaithongdi, M.D.

Attending - Endo

Sanford Clinic, ND

Petpring Prajuabpansri, M.D.

Attending - Internal

Little Rock, AR

Tepsiri Chongkraitanakul, M.D.

Attending - Neph

Boston, MA

Atipon Kangwanpornisiri, M.D.

Attending - Neph

San Luis Obispo, CA

Michael W. Greene

Potjana Jitawatanarat, M.D.	Attending - Internal	Bassett Medical Center, NY
Saleem Chowdhry, MBBS	Attending – GI	Cleveland Clinic, OH
Promporn Suksaranjit, M.D.	Attending – Cardio	University of Iowa
Quanhathai Kaewpoowat, M.D.	Attending – ID	University of Iowa
Nischala Ammannagari, MBBS	Attending - Hem/Oncol	Albany, NY

Surgery Resident

Erin Gillaspie, M.D.

Current Position

Attending – Surgery

Current Institution

Vanderbilt University

Undergraduate Students

Hulkar Mamayusupova

Adam Wood

Jason Henderson

Brian Reis

Kristen Gue

Julia Bottcher

Sarah Bode

Alex Cool

Griffin Russell

Jamie Reece

Katie Nahay

Josef Jackson

Morgan Satterfield

Delaney Reynolds

Claire Neinast

Patrick Downing

James Harris

Olivia Jackson

Peyton Kuhlers

Will Haynes

Savanah Fowler

Beatriz Carmona

Jenna Goulart

Position

Senior Thesis student

Senior Thesis student

Senior Thesis student

Summer Student

Independent Study

Independent Study

Independent Study

Summer Research Fellow

Summer Research Fellow

Research Fellow

Research Fellow

Undergraduate Asst.

Undergraduate Asst.

Undergraduate Asst.

Undergraduate Asst.

Undergraduate Asst.

Undergraduate Asst.

Undergraduate Asst.

Research Fellow

Undergraduate Asst.

Undergraduate Asst.

Research Fellow

Undergraduate Asst.

Institution

Hartwick College

Hartwick College

Hartwick College

Harvard University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

Auburn University

High School Students

Allison Chapple

Cassidy Griger

Position

Summer Student

Summer Student

Institution

Nevada Union HS, CA

Cooperstown HS, NY

Erik Mebust

Summer Student

Cooperstown HS, NY

AUBURN UNIVERSITY GRADUATE THESIS/DISSERTATION COMMITTEE EXPERIENCE:

PhD Candidates

<u>Student</u>	<u>Department</u>	<u>Year Graduated</u>	<u>Role</u>
Kayleen McCafferty	Anatomy, Physiology	N/A	Committee Member
Euitaek Yang	Pharmacy, Drug	N/A	Committee Member
Haley Hallowell	Biology	N/A	Committee Member
Megan Phillips	Nutrition	2021	Committee Member
Iman Hassani	Chem. Engineering	2021	Committee Member
Robert Johnson	Biology	2020	Committee Member
Gisela Martinez Romero	Pathobiology	2020	University Reader
Zhi-Shuai Hou	Anatomy, Physiology	2020	University Reader
Keah Higgins	Biology	2020	University Reader
Amanda Gross	Pathobiology	2020	University Reader
Bulbul Ahmed	Nutrition	2019	Major Professor
Lauren Woodie	Nutrition	2019	Major Professor
Han Fang	Anatomy, Physiology	2019	Committee Member
Amy Willis	Nutrition	2018	Major Professor
Yuwen Luo	Nutrition	2016	Major Professor
Zhao Yang	Anatomy, Physiology	2016	Committee Member
Farruk Kabir	Pathobiology	2014	University Reader
Allison M. Bradbury	Pathobiology	2014	University Reader
Nootan Bhattarai	Chemistry	2013	University Reader

MS Candidates (Thesis)

<u>Student</u>	<u>Department</u>	<u>Year Graduated</u>	<u>Role</u>
Caroline Knight	Nutrition	2019	Major Professor
Maria Victoria Salazar	Nutrition	2017	Committee Member
Mary Rose Bottcher	Nutrition	2016	Major Professor
Michelle Hoffman	Pathobiology	2016	Committee Member
Michael Wayne	Nutrition	2015	Major Professor

MS Candidates (Non-Thesis)

<u>Student</u>	<u>Department</u>	<u>Year Graduated</u>	<u>Role</u>
Kaitlin Carroll	Nutrition	N/A	Major Professor
Courtney Bowden	Nutrition	N/A	Major Professor
Claire Leis	Nutrition	NA	Committee Member
Patrick Downing	Nutrition	2021	Major Professor
Alexis Roberts	Nutrition	2021	Major Professor
Luoqi Miao	Nutrition	2021	Major Professor
Kara McCracken	Nutrition	2021	Committee Member
Roberto Couto	Nutrition	2020	Major Professor
Megan Culbreth	Nutrition	2020	Major Professor
Jill Tharp	Nutrition	2020	Committee Member
Katie Fields	Nutrition	2020	Committee Member
Sari Bornstein	Nutrition	2019	Major Professor
Sarah Cooper	Nutrition	2019	Committee Member
Lily Zandieh	Nutrition	2019	Committee Member
Camille Harris	Nutrition	2018	Major Professor
Kristen Isacson	Nutrition	2018	Committee Member
Shane Braden	Nutrition	2018	Major Professor
Jennifer Goldstein	Nutrition	2018	Major Professor
Jenna Plummer	Nutrition	2018	Major Professor
Mallori Roberts	Nutrition	2018	Committee Member
Makenzie Callahan	Nutrition	2017	Major Professor
Erin Landgrebe	Nutrition	2017	Major Professor
Lauren Lynch	Nutrition	2017	Committee Member
Talia Tornabene	Nutrition	2017	Committee Member
Kathryn Heidt	Nutrition	2016	Committee Member
Carly J. Moss	Nutrition	2013	Committee Member

AUBURN UNIVERSITY THESES AND DISSERTATIONS AS MAJOR PROFESSOR:

<u>Student</u>	<u>Degree</u>	<u>Year Graduated</u>	<u>Title</u>
Lauren Woodie	Ph.D.	2019	Examining the metabolic, physiologic and chronobiologic effects of Western diet-induced obesity on cognitive impairment

in mice

Bulbul Ahmed	Ph.D.	2019	Development and characterization of paired in vivo and in vitro models to examine obesity-linked colorectal cancer
Caroline Knight	M.S.	2019	The Mediterranean diet in the Stroke Belt: a cross-sectional study on adherence and perceived knowledge, barriers, and benefits
Amy Willis, RD	Ph.D.	2018	The Evaluation of a Pilot Theory-Based Nutrition Intervention Promoting a Mediterranean Diet for the Reduction of Cardiovascular Disease Risk Factors in a High-Risk Population of the Southeastern United States: The Healthy Hearts Program
Yuwen Luo	Ph.D.	2016	The Role of Sugar-sweetened Water in the Progression of Nonalcoholic Fatty Liver Disease
Mary Rose Bottcher	M.S.	2016	Mediterranean Diet Adherence in the Southeast United States: Validation of a Field-Based Survey Instrument and the Impact of Nutrition Knowledge
Michael Wayne	M.S.	2015	Meal Timing & Its Effects on the Pathogenesis of Metabolic Syndrome

AUBURN UNIVERSITY HONOR'S THESES AS MENTOR:

<u>Student</u>	<u>Year Graduated</u>	<u>Title</u>
Savanah Fowler	2021	Validation of sugar-induced network

cluster genes regulating murine NASH

Claire Neinast	2018	Time Restricted Consumption of High Fructose Corn Syrup in Preventing Metabolic Dysfunction
Jamie Reece	2017	Role of Sugary Water Consumption in Adipose Gene Expression

STUDENT OR MENTEE ACHIEVEMENTS AND RESEARCH SUPPORT:

- 2021 Auburn University Journal of Undergraduate Scholarship (AUJUS) Research Highlight publication. Awarded to Grace Hester. Citation: Grace Hester, Iman Hassani, Benjamin Anbiah, Bulbul Ahmed, Michael Greene, and Elizabeth Lipke. (2021) In Vitro Tissue-Engineered-Based Model to Mimic Obese and Non-obese Colorectal Cancer Microenvironments. AUJUS (10) pxx-xx
- 2021 Auburn University Journal of Undergraduate Scholarship (AUJUS) Research Highlight publication. Awarded to Peter Abraham. Citation: Peter Abraham, Michael Greene, Elizabeth Lipke and Peyton Kulhers. (2021) Transcriptomic Analysis to Identify Links between the Consensus Molecular Subtypes of Colorectal Cancer and Obesity. AUJUS (10) pxx-xx
- 2021 Boshell Diabetes and Metabolic Diseases 13th Annual Research Day at Auburn University Oral Presentation Competition Award (2nd Place). Awarded to Peter Abraham. Note: Peter Abraham competed in the graduate student category even though he is an undergraduate student. Role: Mentor.
- 2021 Boshell Diabetes and Metabolic Diseases 13th Annual Research Day at Auburn University Poster Competition Award (4th Place). Awarded to Grace Hester. Note: Grace Hester competed in the graduate student category even though she is an undergraduate student. Role: co-Mentor.
- 2021 Auburn University Graduate School Distinguished Dissertation Award to Lauren Woodie. Role: Mentor.

- 2021 Auburn University This is Research. Undergraduate Student Oral Presentation. 1st place prize awarded to Stanley Wijaya. Role: co-Mentor.
- 2021 Auburn University This is Research. Samuel Ginn College of Engineering Undergraduate Student Oral Presentation. 1st place prize awarded to Peter Abraham. Role: co-Mentor.
- 2020 Auburn News Student Research Spotlight on Beatriz Carmona. The feature was titled 'Studying the Physiological Impacts of Obesity' on the Auburn University homepage. Role: Mentor.
https://cws.auburn.edu/ovpr/pm/researchsymposia/student/2020Spot_BCarmona?nlan
- 2020 Auburn University This is Research. Undergraduate Student Poster Presentation. 3rd place prize awarded to Beatriz Carmona. Role: Mentor.
- 2020 Auburn University Journal of Undergraduate Scholarship (AUJUS) Research Highlight publication. Awarded to Beatriz Carmona. Citation: Beatriz Carmona, Michael Greene, and Lauren Woodie. (2020) Circadian Disruption of Core Clock Genes Bmal1, Revb- α , Per2, and Cry1 in Adipose Tissue Due to Western Diet-Induced Obesity. AUJUS (8) p18-19
- 2020 Auburn University Fred and Charlene Kam Endowed Fund for Research Excellence in Nutrition-Dietetics. Awarded to Jenna Goulart. Role: Mentor. Total Award: \$1500. Project Funds: \$1500
- 2019 Auburn University CNSi Graduate Research Fellowship. Awarded to Lauren Woodie. Role: Mentor. Total Award: \$2,500
- 2019 June GSC Travel fellowship. Awarded to Lauren Woodie. Role: Mentor. Total Award: \$250.
- 2019 Auburn University Malone-Zallen Graduate Research Fellowship. Awarded to Lauren Woodie. Role: Mentor. Total Award: \$1535. Project Funds: \$1535.
- 2019 Auburn University This is Research. Graduate Student Oral Presentation. 1st place prize awarded to Lauren Woodie. Role: Mentor.
- 2019 Auburn University This is Research. Undergraduate Student Poster Presentation. 2nd place prize awarded to Peyton Kuhlert. Role: Mentor.

- 2019 Auburn University Undergraduate Research Fellowship. Awarded to Beatriz Carmona. Role: Mentor. Total Award: \$3000. Project Funds: \$750.
- 2019 Auburn University Fred and Charlene Kam Endowed Fund for Research Excellence in Nutrition-Dietetics. Awarded to Beatriz Carmona. Role: Mentor. Total Award: \$1500. Project Funds: \$1500.
- 2018 Auburn University Journal of Undergraduate Scholarship (AUJUS) Research Highlight publication. Awarded to Peyton Kuhlers. Citation: Peyton Kuhlers and Michael Greene. (2019) Development of an in vitro model to evaluate novel genes regulating inflammation and fibrosis. AUJUS (7) p65-66
- 2018 Auburn University CNSi Graduate Research Fellowship. Awarded to Lauren Woodie. Role: Mentor. Total Award: \$5,000.
- 2018 June GSC Travel fellowship. Awarded to Lauren Woodie. Role: Mentor. Total Award: \$250.
- 2018 Auburn University Undergraduate Research Fellowship. Awarded to Peyton Kuhlers. Role: Mentor. Total Award: \$3000.
- 2018 Three Minute Thesis Competition at the annual meeting of the Conference of *Southern* Graduate Schools Competition (Grand Prize Winner). Awarded to Lauren Woodie. Role: Mentor.
- 2018 University of Alabama, Birmingham CCTS Clinical and Translation Science Training Program participant. Awarded to Annie Kirby. Role: Mentor.
- 2018 Auburn University Malone-Zallen Graduate Research Fellowship. Awarded to Bulbul Ahmed. Role: Mentor. Total Award: \$2000. Project Funds: \$2000.
- 2018 Auburn University Haggard Family Annual Award in Nutrition and Dietetics. Awarded to Olivia Jackson. Role: Mentor. Total Award: \$750. Project Funds: \$750.
- 2017 Three Minute Thesis Competition at Auburn University, University Competition (1st Place). Awarded to Lauren Woodie. Role: Mentor.

- 2017 Three Minute Thesis at Auburn University, College of Human Sciences Competition (1st Place). Awarded to Lauren Woodie. Role: Mentor.
- 2017 Boshell Diabetes and Metabolic Diseases 9th Annual Research Day at Auburn University Poster Competition Award (2nd Place). Awarded to Lauren Woodie. Role: Mentor.
- 2016 Boshell Diabetes and Metabolic Diseases 8th Annual Research Day at Auburn University Poster Competition Award (3rd Place). Awarded to Lauren Woodie. Role: Mentor.
- 2016 Auburn University International Graduate Student Achievement Award. Awarded to Yuwen Luo. Role: Mentor.
- 2016 Auburn University Malone-Zallen Graduate Research Fellowship. Awarded to Amy Willis. Role: Mentor. Total Award: \$4500. Project Funds: \$4500.
- 2016 Auburn University Haggard Family Annual Award in Nutrition and Dietetics. Awarded to Morgan Satterfield. Role: Mentor. Total Award: \$1000. Project Funds: \$1000.
- 2016 Boshell Diabetes and Metabolic Diseases 9th Annual Research Day at Auburn University. 2nd place prize for best graduate student presentation awarded to Isabelle Crouch. Note: Isabelle Crouch competed in the graduate student category even though she is an undergraduate student. Role: Mentor.
- 2016 Boshell Diabetes and Metabolic Diseases 9th Annual Research Day at Auburn University. 2nd place prize for best graduate student poster awarded to Lauren Woodie. Role: Mentor.
- 2015 Auburn University Haggard Family Annual Award in Nutrition and Dietetics. Awarded to Katie Nahay. Role: Mentor. Total Award: \$500. Project Funds: \$500.
- 2015 Auburn University Malone-Zallen Graduate Research Fellowship. Awarded to Yuwen Luo. Role: Mentor. Total Award: \$6000. Project Funds: \$6000.
- 2015 Auburn University Cellular and Molecular Biology Undergraduate Research Fellowship. Awarded to Griffin Russell. Role: Mentor. Total Award: \$4000. Project Funds: \$2000.

- 2015 Auburn University Undergraduate Research Fellowship. Awarded to Jamie Reece. Role: Mentor. Total Award: \$3000. Project Funds: \$2000.
- 2014 Auburn University Undergraduate Research Fellowship. Awarded to Alex Cool. Role: Mentor. Total Award: \$2000. Project Funds: \$2000.
- 2013 American College of Physicians, New York Chapter Meeting Abstract/Poster Competition Award (1st Place). Awarded to Nischala Ammannagari, MBBS. Role: Mentor
- 2012 E.D. Thomas Outstanding Research Presentation Award at the Bassett Medical Center (1st Place). Awarded to Erin Gillaspie, M.D. Role: Mentor
- 2012 American College of Physicians, New York Chapter Meeting Abstract/Poster Competition Award (2nd Place). Awarded to Quanhathai Kaewpoowat, M.D. Role: Mentor
- 2012 E.D. Thomas Medical Resident Fellowship. Awarded to Quanhathai Kaewpoowat, M.D. Role: Mentor. Total Award: \$12,075. Project Funds: \$12,075.
- 2012 E.D. Thomas Medical Resident Fellowship. Awarded to Promporn Suksaranjit, M.D. Role: Mentor. Total Award: \$11,180. Project Funds: \$11,180.
- 2012 E.D. Thomas Medical Resident Fellowship. Awarded to Nischala Ammannagari, MBBS. Role: Mentor. Total Award: \$10,812. Project Funds: \$10,812.
- 2011 American College of Physicians, National Meeting Abstract/Poster Competition Award (1st Place). Awarded to Atipon Kangwanpornsir, M.D. Role: Mentor
- 2010 E.D. Thomas Medical Resident Fellowship. Awarded to Erin Gillaspie, M.D. Role: Mentor. Total Award: \$25,000. Project Funds: \$25,000.
- 2010 E.D. Thomas Medical Resident Fellowship. Awarded to Potjana Jitawatanarat, M.D. Role: Mentor. Total Award: \$13,200. Project Funds: \$13,200.
- 2009 E.D. Thomas Outstanding Research Presentation Award at the Bassett Medical Center (1st Place). Awarded to Tepsiri Chongkraitanakul, M.D. Role: Mentor

- 2009 E.D. Thomas Medical Resident Fellowship. Awarded to Tatpong Chit-ua-aree, M.D. Role: Mentor. Total Award: \$24,552. Project Funds: \$24,552.
- 2009 E.D. Thomas Medical Resident Fellowship. Awarded to Saleem Chowdhry, MBBS. Role: Mentor. Total Award: \$24,652. Project Funds: \$13,474.
- 2009 American College of Physicians, National Meeting Abstract/Poster Competition Award (Best Poster Prize). Awarded to Tepsiri Chongkraitatanakul M.D. Role: Mentor
- 2007 E.D. Thomas Medical Resident Fellowship. Awarded to Tepsiri Chongkraitatanakul M.D. Role: Mentor. Total Award: \$24,964. Project Funds: \$12,839.
- 2007 E.D. Thomas Medical Resident Fellowship. Awarded to Niyutchai Chaithongdi, M.D. Role: Mentor. Total Award: \$24,955. Project Funds: \$12,830.
- 2005 E.D. Thomas Medical Resident Fellowship. Awarded to Mathew Gilbert, DO, MPH. Role: Mentor. Total Award: \$24,994. Project Funds: \$8,800.

PAPERS AND POSTERS PRESENTED:

Published Meeting Abstracts

1. Greene, M. W., Abraham, P., Lipke, E.A, Kuhlert, P. C. Obesity and the consensus molecular subtypes of colorectal cancer. 2021 Proceedings of the AACR, Cancer Research 81 (13 Supplement), 2181-2181
2. Woodie, L.N., Johnson, R., Ahmed, B., and Greene, M.W. Memories of Rhythms Past: Evidence for Hippocampal Core Clock Disruptions in a Murine Model of Western Diet-induced Obesity. American Society for Nutrition's NUTRITION 2019, Baltimore, MD. Curr Dev Nutr. 2019 Jun 13;3 (Suppl 1)
3. Johnson R, Olatunde A, Woodie L, Greene M, Schwartz E. The Metabolic Phenotype Associated with Mounting an Immune Response to a Systemic Infection of *Listeria Monocytogenes* (FS12-07-19). American Society for Nutrition's NUTRITION 2019, Baltimore, MD. Curr Dev Nutr. 2019 Jun 13;3 (Suppl 1)

4. I Hassani, B Anbiah, B Ahmed, NL Habbit, MW Greene, EA Lipke. In vitro recapitulation of in vivo obesity-promoted colorectal cancer growth using a patient-derived xenograft engineered tumor model, 2019 Proceedings of the AACR
5. B Anbiah, I Hassani, B Ahmed, NL Habbit, MW Greene, B Prabhakarandian, EA Lipke. Patient derived xenograft colorectal cancer in a micro-vascularized tumor on a microfluidic chip, 2019 Proceedings of the AACR.
6. I Hassani, B Anbiah, B Ahmed, NL Habbit, MW Greene, EA Lipke. 3D Engineered Patient-Derived Xenograft Tumors to Recapitulate the Obese Colorectal Cancer Tumor Microenvironment, Transactions of the 42st Annual Meeting of the Society For Biomaterials 2019
7. I Hassani, B Anbiah, B Ahmed, NL Habbit, MW Greene, EA Lipke. Three-Dimensional Engineered Tumor Tissues Using Patient-Derived Colorectal Cancer Xenografts, Transactions of the Society for Biomaterials 2018
8. I Hassani, B Anbiah, B Ahmed, NL Habbit, MW Greene, EA Lipke. Engineered Colorectal Cancer Model Employing Patient-Derived Xenografts Mimics In Vivo Tumor Growth. Biomedical Engineering Society 2018 Annual Meeting, Atlanta, GA, October 2018
9. Smith K, Rundquist S, Greene M, Frugé A. (2018). Development of the Dietary Habits and Colon Cancer Beliefs Survey (DHCCBS): An Instrument Assessing Health Beliefs Related to Red Meat and Green Leafy Vegetable Consumption. *Journal of the Academy of Nutrition and Dietetics*. 118, A151.
10. Willis, A., Brown, O., and Greene, M.W. (2017). Development of an Education Program for Clinical Studies to Reduce Cardiovascular Disease Risk Factors. *Journal of the Academy of Nutrition and Dietetics* 117 (9), A44
11. Bottcher, M., Marincic, P., Nahay, K., Baerlocher, B., Willis, A., and Greene, M.W. (2016). Nutrition Knowledge and Mediterranean Diet Adherence: Validation of a Field Based Survey Instrument. *Journal of the Academy of Nutrition and Dietetics* 116 (9), A26
12. Kothari, V., Tornabene, T., Luo, Y., Greene, M.W., Thangiah, G., and Jeganathan, R. (2016). High Fat Western Diet-induced Brain Insulin Resistance and Cognitive Impairment. *DIABETES* 65, A498-A498

13. Luo, Y., Burrington, C.M., Zhang, J., Graff, E.C., Judd, R.L., Greene, M.W. (2014). Sugary Water Consumption Leads to Adipose, Liver, and Metabolic Dysfunction in a Western Diet-Induced Model of NAFLD. *DIABETES* 63, A468-A468
14. Greene, M.W., Ammannagari, N., Gillaspie, E., Burrington, C.M., Horsman, M.J. and Patel, A.V. (2013). Effect of diet-induced obesity on the efficacy of colon cancer treatment in mice. *Journal of Clinical Oncology* 31 (15_suppl), e14632-e14632.
15. Greene, M.W., Burrington, C.M., Lynch, D.T., Davenport, S.K., Johnson, A.K., Horsman, M.J., Chowdhry, S., and Tirrell, P.C. (2012). Lipid metabolism, oxidative stress and cell death are regulated by protein kinase C (PKC) delta in dietary models of steatohepatitis. *DIABETES* 61, A457-A458
16. Wu, J., Dauchy, R.T., Tirrell, P.C., Wu, S.S., Dauchy, E.M., Blask, D.E., and Greene, M.W. (2010) Circadian disruption induced by light at night upregulates PCNA expression in tissue-isolated human breast cancer xenografts in nude rats. *Cancer Research* 70 (8 Supplement), 1047-1047
17. Dauchy, E., Dauchy, R., Davidson, L., Tirrell, P., Greene, M., Wu, J., Hill, C., Sauer, L., Lynch, D. and Blask, D. (2009). Dietary Melatonin and Omega-3 Fatty Acids Inhibit Metabolism in Tissue-Isolated Human Tumor-Bearing Nude Rats In Vivo via Receptor-Mediated Signal Transduction, *Cancer Research* 69 (9 Supplement), 5240-5240
18. Dauchy, R., Blask, D., Dauchy, E., Hill, C., Davidson, L., Tirrell, P., Greene, M., Wu, J., Tirrell, R. and Lynch, D. (2009). Expression and light at night induced disruption of circadian dynamics in fatty acid and glucose metabolism, signal transduction, proliferative activity and clock gene expression in tissue-isolated human breast cancer xenografts in nude rats, *Cancer Research* 69 (9 Supplement), 4765-4765
19. Dauchy, R.T., Dauchy, E.M., Davidson, L.K., Tirrell, P.C., Greene, M.W., Wu, J., Hill, C.R., Sauer, L.A. and Blask, D.E. (2009). Dark-Phase Light Contamination in Laboratory Animal Facilities Induces Circadian Disruption in Nude Rat Metabolism and Promotes Diabetes and Human Cancer. *J. Am. Assoc. Lab. Anim. Sci.*, 48(5), p. 633-634
20. Dauchy, R., Dauchy, E., Tirrell, R., Davidson, L., Tirrell, P., Dauchy, E., Lynch, D., Krause, J., Greene, M. and Sauer, L. (2008). Circadian dynamics of tissue-isolated human breast

cancer xenograft proliferative, signal transduction, and metabolic activity. *Cancer Research* 68 (9 Supplement), 5193-5193

21. Chongkairatanakul, T., Burrington, C.M. and Greene, M.W., 2008. Hepatic PKC delta is activated in a diet-induced model of nonalcoholic steatohepatitis, *DIABETES*. A421-A421.
22. Dauchy, R., Dauchy, E., Davidson, L., Tirrell, P., Lynch, D., Tirrell, R., Greene, M., Sauer, L. and Blask, D. (2008). Circadian disruption induced by dark-phase light contamination in laboratory animal facilities stimulates human tumor growth and metabolism in nude rats. *Proceedings, 59th Annual Meeting, J. Am. Assoc. Lab. Anim. Sci.*, 47(6), Abstr. PS79, p. 94
23. Blask, D., Dauchy, R., Greene, M., Krause, J., Davidson, L., Lynch, D., Tirrell, P., Sauer, L., Dauchy, E. and Tirrell, R. (2007). Nocturnal melatonin levels inhibit while constant bright light stimulates signal transduction, linoleic acid metabolism and growth activity in tissue-isolated PC3 human prostate cancer xenografts in male nude rats. *Cancer Research* 67 (9 Supplement), 4460-4460
24. Greene, M.W., Burrington, C.M. and Ruhoff, M.S. (2007). FFA and TNF α -Mediated PKC δ Activation in Primary Rat Hepatocytes, *Diabetes*. 56.
25. Greene, M.W. and Ruhoff, M.S. (2005). Modulation of IRS-1 PH and PTB Domain Function by Phosphorylation, *Diabetes*. 54, A322.
26. Greene, M.W. and Roth, R.A. (2002). Modulation of Irs-1 Tyrosine Phosphorylation by Pkc δ , *Diabetes*. 51, A56.
27. Greene, M.W. and Garofalo, R.S. (2000). IRS-2 Tyrosine Phosphorylation by the Insulin Receptor Kinase Is Modulated by Serine Phosphorylation In Vitro by Multiple Ser/Thr Kinases, *Diabetes*. 49, A447.
28. Greene, M.W. (1998). Cloning and Characterization of Teleost Insulin Receptor Family Members: Expression of Insulin and IGF Type I Receptor Messenger RNAs, *Marine Aquaculture: Emerging Technologies and Global Opportunities*. 24.

Other Presentations

1. Greene, M. W. Negative Association Between Mediterranean Diet Adherence and COVID-19 Cases and Related Deaths in Spain and 23 OECD Countries: An Ecological Study. Journées Francophones de Nutrition/Société Française de Nutrition International 2021. Lille, France – Nov 2021 (Invited Oral Presenter)
2. Abraham, P., Kuhlert, P. and Lipke, E. and Greene, M. Transcriptomic analysis to uncover the differential effects of obesity on the consensus molecular subtype of colorectal cancer. Boshell Diabetes and Metabolic Diseases 13th Annual Research Day at Auburn University. Auburn, Alabama – March 2021 (Graduate student Oral Presenter)
3. Hester, G., Ahmed, B., Hassani, I., Anbiah, B. Habbit, N., Greene, M., and Lipke, E. In vitro 3D engineered CRC tissue model co-cultured with insulin sensitive and insulin resistant adipocytes to mimic non-obese and obese CRC microenvironments. Boshell Diabetes and Metabolic Diseases 13th Annual Research Day at Auburn University. Auburn, Alabama – March 2021
4. McCafferty, K. J., Brinker, E. J., Graff, E. C., Steury, T.D., Greene, M. W., and Judd, R. L. Loss of hydroxycarboxylic acid receptor 2 (HCA2) affects lipid homeostasis in a sex-dependent manner during prolonged fasting. Boshell Diabetes and Metabolic Diseases 13th Annual Research Day at Auburn University. Auburn, Alabama – March 2021
5. Ding, X. W., Selvaraju, V., Li, R. L., Aldhowayan, H., Thangiah, G., Greene, M. W., and Jeganathan, R. Role of nerve growth factor in insulin resistance amelioration and cognitive performance improvement in diabetic mice brain. Boshell Diabetes and Metabolic Diseases 13th Annual Research Day at Auburn University. Auburn, Alabama – March 2021 (Graduate student Oral Presenter)
6. Aldhowayan, H., Ding, X. W., Selvaraju, V., Li, R. L., Greene, M. W., Thangiah, G., and Jeganathan, R. Nasal administration of nerve growth factor (NGF) implies cardioprotective properties and enhancing insulin sensitivity among high fat high sugar diet-fed mice. Boshell Diabetes and Metabolic Diseases 13th Annual Research Day at Auburn University. Auburn, Alabama – March 2021
7. Abraham, P., Kuhlert, P. and Lipke, E. and Greene, M. Obesity modulates the colorectal cancer tumor transcriptome in a consensus molecular subtype specific manner. This is Research: Student Symposium at Auburn University. Auburn, Alabama – March 2021

8. Wijaya, S., Abraham, P., Kuhlers, P. and Lipke, E. and Greene, M. Obesity modulates colorectal cancer predicted drug sensitivity in a consensus molecular subtype specific manner. This is Research: Student Symposium at Auburn University. Auburn, Alabama – March 2021
9. Hassani, I., Anbiah, B. Habbit, N., Ahmed, B., Greene, M., and Lipke, E. Generation of three-dimensional engineered colorectal cancer tissues for recapitulation of the tumor microenvironment. This is Research: Student Symposium at Auburn University. Auburn, Alabama – March 2021
10. Yang, E., Greene, M., and Kaddoumi, A. Sleep and metabolism alterations in a mouse model of Alzheimer’s disease. This is Research: Student Symposium at Auburn University. Auburn, Alabama – March 2021
11. Haynes, W., Woodie, L.N., Neinast, C.E., Ahmed, B., Graff, E.C., and Greene, M.W. (2019). Restricting Liquid Sugar to the First Six Hours of the Active Phase Ameliorates the Detrimental Physio-metabolic Effects of Liquid Sugar Consumption in Mice. Rhythms in Southeast Region RISER 2019, Atlanta, GA – June 2019.
12. Woodie, L.N., Johnson, R., Ahmed, B., and Greene, M.W. (2019). Memories of Rhythms Past: Evidence for Hippocampal Core Clock Disruptions in a Murine Model of Western Diet-induced Obesity. Rhythms in Southeast Region RISER 2019, Atlanta, GA – June 2019.
13. Greene, M.W., Knight, C., Jackson, O., Rahman, I., Burnett, D., and Fruge, A. (2019). The Mediterranean Diet in the Stroke Belt: A Cross-sectional Study on Adherence and Perceived Knowledge, Barriers, and Benefits. American Society for Nutrition's NUTRITION 2019, Baltimore, MD – June 2019.
14. Willis, A., Braxton-Lloyd, K., and Greene, M.W. (2019). An Experimental Study of a Mediterranean-style Diet Supplemented with Nuts and Extra-virgin Olive Oil for Cardiovascular Disease Risk Reduction: The Healthy Hearts Program. American Society for Nutrition's NUTRITION 2019, Baltimore, MD – June 2019.

15. Kuhlers, P. Woodie, L.N., Ahmed, B., and Greene, M.W. (2019). Validation of an in Vitro Non-alcoholic Steatohepatitis Cas9 Model. American Society for Nutrition's NUTRITION 2019, Baltimore, MD – June 2019.
16. Woodie, L.N., Higgins, K., Hallowell, H., Schwartz, E., and Greene, M.W. (2018). Temporal Evaluation of Metabolism and the Fecal Microbiome in a Mouse Model of Diet-Induced Obesity. American Society for Nutrition's NUTRITION 2018, Boston, MA – June 2018.
17. Obesity stimulates tumor growth in a novel paired in vitro and in vivo model using patient-derived colorectal cancer xenografts. AACR Special Conference on Obesity and Cancer: Mechanisms Underlying Etiology and Outcomes, Austin, TX – January 2018.
18. Nutrition Knowledge and Mediterranean Diet Adherence: Validation of a Field Based Survey Instrument. Boshell Diabetes and Metabolic Diseases 8th Annual Research Day at Auburn University. Auburn, Alabama – March 2017 (Oral Presenter)
19. Effects of the High Fat Western Diet on Microbial and Viral Populations of the Murine Intestinal Microbiome. Boshell Diabetes and Metabolic Diseases 8th Annual Research Day at Auburn University. Auburn, Alabama – March 2017 (Graduate student Oral Presenter)
20. Development of Education Program for Clinical Study Addressing Prediabetic and High Risk Cardiovascular Disease Participants. Boshell Diabetes and Metabolic Diseases 8th Annual Research Day at Auburn University. Auburn, Alabama – March 2017 (Graduate student Oral Presenter)
21. Role of Western diet in maladies of the gut, liver, adipose tissue, and brain. Boshell Diabetes and Metabolic Diseases 9th Annual Research Day at Auburn University. Auburn, Alabama – February 2016 (Oral Presenter).
22. How I Came to Study Sugar. Auburn Talks. This is Research: Faculty Symposium at Auburn University. Auburn, Alabama – September 2015 (Oral Presenter).
23. Genome-wide transcriptome analysis of liver and adipose tissue in a western diet-induced model of NAFLD. Boshell Diabetes and Metabolic Diseases 8th Annual Research Day at Auburn University. Auburn, Alabama – February 2015 (Oral Presenter).

24. Development and characterization of a novel congenic rat strain for obesity and cancer research. Boshell Diabetes and Metabolic Diseases 6th Annual Research Day at Auburn University. Auburn, Alabama – February 2014 (Oral Presenter).
25. Development and characterization of a novel congenic rat strain for obesity and cancer research. Metabolic Signaling & Disease: from cell to organism. Cold Spring Harbor Laboratory, NY – August 2013.
26. Role of Fructose/Sucrose in Fatty Liver Disease Progression. Boshell Diabetes and Metabolic Diseases 6th Annual Research Day at Auburn University. Auburn, Alabama – February 2013 (Oral Presenter).
27. Obesity impairs the efficacy of colon cancer treatment in mice. American College of Physicians, New York Chapter Meeting. Rye Brook, New York - February 2013. **(Resident awarded a First prize in the Abstract Competition)**
28. Role of a High Carbohydrate Diet in Fatty Liver Disease Progression. American College of Physicians Annual Meeting. Albany, New York – Aug 2012. **(Resident awarded a Second prize in the Abstract Competition).**
29. Breast cancer growth and activation of insulin/IGF-1 signaling by circadian disruption. XIth International Symposium on Insulin Receptors and Insulin Action, Naples, Italy – Oct 2010 (oral presenter).
30. PKC δ and metabolic disease. XIth International Symposium on Insulin Receptors and Insulin Action, Naples, Italy – Oct 2010.
31. PKC δ activation in vivo and in vitro in experimental models of nonalcoholic steatohepatitis. American College of Physicians Annual Meeting. Philadelphia, Pennsylvania – Apr 2009. **(Resident awarded a Best Poster prize in National Abstract Competition)**
32. Role of PKC δ in high fat diet-induced insulin resistance. American Diabetes Association 69th Scientific Sessions, New Orleans, Louisiana – Jun 2009. (Late-Breaking Abstract)
33. Role of PKC δ in TNF α -induced insulin resistance. Xth International Symposium on Insulin Receptors and Insulin Action, Stockholm, Sweden – May 2007 (oral presenter).

34. Knockdown of PKC δ blocks TNF α -mediated inhibition of insulin signaling. American Diabetes Association 66th Scientific Sessions, Washington, DC – Jun 2006 (Late-Breaking Abstract).
35. Expression of growth hormone, prolactin, somatolactin, IGF-I and IGF-II genes in rainbow trout (*Oncorhynchus mykiss*). 2nd IUBS Toronto Symposium “Advances in the Molecular Endocrinology of Fish”, Toronto, Canada – May 1997.
36. Insulin-like growth factor mRNA detection in the diffuse pancreatic tissue of rainbow trout by *in situ* hybridization using digoxigenin labeled cRNA probes. 3rd International Symposium on Fish Endocrinology, Hakodaido, Japan – May 1996.
37. Expression of growth hormone and insulin-like growth factor genes in rainbow trout. 3rd International Symposium on Fish Endocrinology, Hakodaido, Japan – May 1996.
38. Insulin-like growth factor mRNA detection in rainbow trout tissue by *in situ* hybridization using digoxigenin-labeled cRNA probes. 55th Annual Endocrine Society Meeting, Washington, DC – Jun 1995.
39. The interaction toxicity of thiram and ethylene glycol: toxicological mechanisms in the fathead minnow (*Pimephales promelas*). Pacific Northwest Chapter of the Society of Environmental Toxicology and Chemistry, Bellingham, Washington – Jun 1992.
40. Characterization of neoplastic transformation of cells involved in Damsel fish Neurofibromatosis utilizing *in vitro* techniques. American Fisheries Society/Fish Health Section and Western Fish Disease Conference, Newport, Oregon – Aug 1991 (co-presenter).

OUTREACH PRESENTATIONS:

1. The Mediterranean diet. The Women's Philanthropy Board Virtual Roundtable, Auburn University - July 2020
2. Blue Zones. Lunch and Learn. Tiger Zone Village Dining, Auburn University - Sept 2018
3. The Mediterranean diet. Lunch and Learn. Tiger Zone Village Dining, Auburn University - Sept 2017

OUTREACH PANEL DISCUSSIONS:

1. Topic: Trashed (2012 Documentary). Office of Sustainability. Langdon Hall, Auburn University - Oct 2018
2. Topic: United Nations Sustainable Development Goals. Gustolab Institute, Rome, Italy - Jun 2018

RESEARCH SUPPORT:

Current

1. Title: Role of CXCL7 in obesity-linked colon cancer
Agency or Foundation: Alabama Agricultural Experiment Station, USDA AIR Program
Project Director: Michael Greene, Ph.D.
Funding Mechanism: AIR Program
Funding Period: September 2021 – August 2023; Award: \$150,000
Role: Principal Investigator
2. Title: Obesity-linked non-alcoholic fatty liver disease progression and colorectal cancer
Agency or Foundation: Alabama Agricultural Experiment Station, USDA Hatch Funding Program
Funding Mechanism: Hatch Grant
Project Director: Michael Greene, Ph.D.
Funding Period: Oct 2018 – Sep 2023; Award: \$70,000
Role: Principal Investigator

Pending

1. Title: Repurposing of Granisetron for Alzheimer's Disease and Related Disorders
Agency: National Institutes of Health (NIH)
Funding Mechanism: R61
Project Director: Amal Kaddoumi, Ph.D.
Funding Period: May 2021 –Apr 2025; Award:
Role: co-Investigator
2. Title: Engineered Colon Cancer Tissue to Examine the Impact of the Obese Microenvironment
Agency: National Institutes of Health (NIH)
Funding Mechanism: R01
Project Director: Elizabeth Lipke, Ph.D./Michael Greene, Ph.D.
Funding Period: Jun 2022 –May 2027; Award: \$2,000,000
Role: co- Principal Investigator
3. Title: Obesity-linked inflammation and colon cancer

Agency: Department of Defense (DoD)

Funding Mechanism: CDMRP Peer Reviewed Cancer Research Program (PRCRP) Idea Award

Project Director: Michael Greene, Ph.D.

Funding Period: Apr 2022 – March 2025; Award: \$500,000

Role: Principal Investigator

Completed

1. Title: Patient-Derived Tumor Models to Evaluate the Obesity-Linked Colon Cancer Microenvironment.
Agency or Foundation: National Institutes of Health (NIH)
Funding Mechanism: CCTS Network Interdisciplinary Pilot Program
Project Director: Michael Greene, Ph.D./ Elizabeth Lipke, Ph.D.
Funding Period: May 2019 – April 2020; Award: \$60,000
Role: co-Principal Investigator (co-PI: Elizabeth Lipke, Ph.D., Auburn University)

2. Title: Impact of a Western diet on the circadian clock and hippocampal functioning
Agency or Foundation: Alabama Agricultural Experiment Station, USDA Hatch Funding Program
Project Director: Michael Greene, Ph.D.
Funding Mechanism: SEED Grant
Funding Period: October 2017 – September 2019; Award: \$50,000
Role: Principal Investigator

3. Title: Obesity and Disruption of the Circadian Clock
Funding Organization: Auburn University Honors College
Project Director: Michael Greene, Ph.D.
Funding Period: Jan 2019-Dec 2019; Award: \$10,000
Role: Principal Investigator

4. Title: The Effect of Macronutrient Cycling on Metabolic Flexibility in the Presence of Excess Adiposity
Agency or Foundation: Edward Via College of Osteopathic Medicine
Project Director: Annie Kirby, Ph.D., R.D.
Funding Mechanism: Research Eureka Accelerator Program

Funding Period: July 2018 – June 2019; Award: \$41,358

Role: Co- Investigator

5. Title: Role of sugary in obesity-linked non-alcoholic fatty liver disease progression
Agency or Foundation: Alabama Agricultural Experiment Station, USDA Hatch Funding Program
Funding Mechanism: Hatch Grant
Project Director: Michael Greene, Ph.D.
Funding Period: Oct 2013 – Sep 2018; Award: \$70,000
Role: Principal Investigator

6. Title: Restricting high fructose corn syrup consumption in the active phase to improve metabolic health
Funding Organization: Auburn University Honors College
Project Director: Michael Greene, Ph.D.
Funding Period: Oct 2017-Sept 2018; Award: \$10,000
Role: Principal Investigator

7. Title: Microenvironmental Stimulation of Obesity-linked and Health Disparity-Associated Patient-derived Colon Cancer Tumor Growth
Agency or Foundation: Auburn University Research Initiative in Cancer (AURIC)
Funding Mechanism: Major Program Grant
Project Director: Michael Greene, Ph.D./ Elizabeth Lipke, Ph.D.
Funding Period: Oct 2015 – Sep 2017; Award: \$199,973
Role: co-Principal Investigator (co-PI: Elizabeth Lipke, Ph.D., Auburn University)

8. Title: *In vivo* selection of RNA aptamers for CRC detection and therapy
Agency or Foundation: Auburn University Research Initiative in Cancer (AURIC)
Funding Mechanism: Seed Grant
Project Director: Jacek Wower, Ph.D.
Funding Period: Oct 2016 – Sept 2017; Requested Direct Costs: \$20,000
Role: co-Principal Investigator

9. Title: Meal timing to improve cognitive deficits
Funding Organization: Auburn University Honors College
Project Director: Michael Greene, Ph.D.

Funding Period: Oct 2016-Sept 2017; Award: \$10,000

Role: Principal Investigator

10. Title: AAES Research Support Application
Agency or Foundation: Alabama Agricultural Experiment Station, USDA Hatch Funding Program
Project Director: Michael Greene, Ph.D.
Funding Mechanism: Equipment Grant
Funding Period: May 2016 – April 2017; Award: \$18,744
Role: Principal Investigator

11. Title: Bacteriophage as a regulator of gut microbiome in obesity
Agency or Foundation: Auburn University Intramural Grants Program
Funding Mechanism: Good to Great Grant
Project Director: Elizabeth Schwartz, Ph.D.
Funding Period: Dec 2015 – Nov 2016; Award: \$41,000
Role: Co - Investigator

12. Title: Mediterranean Diet Study Abroad in Italy
Funding Organization: Auburn University College of Human Sciences Study Abroad Grant Program
Project Director: Michael Greene, Ph.D.
Funding Period: May 2015-June 2015; Award: \$5,000
Role: Principal Investigator

13. Title: Role of sugary drinks in the development of obesity
Funding Organization: Auburn University Honors College
Project Director: Michael Greene, Ph.D.
Funding Period: Jan 2015-May 2015; Award: \$10,000
Role: Principal Investigator

14. Title: Metabolic cages for cancer, drug, and metabolic disease research
Agency or Foundation: Auburn University Research Initiative in Cancer and Auburn University Intramural Grants Program
Funding Mechanism: Level 4 IGP
Project Director: Michael Greene, Ph.D.
Funding Period: March 2014; Award: \$182,078

Role: co-Principal Investigator (co PI: Robert Judd, Ph.D.)

15. Title: The mechanistic basis for improved metabolic health in females following lactation
Agency or Foundation: National Institutes of Health (NIH)
Funding Mechanism: NIH R03
Project Director: Wendy Hood, Ph.D.
Funding Period: June 2014; Award: \$50,000
Role: Co – Investigator

16. Title: RNA profiling to determine the role of sugar in obesity-linked non-alcoholic fatty liver disease progression
Funding Organization: Alabama Agricultural Experiment Station, USDA Hatch Funding Program – Young Investigator Research Support Program
Project Director: Greene, Michael W.
Years Funded: Oct 2013-Sept 2015; Award: \$50,000
Role: Principal Investigator

17. Title: Orthotopic Models of Human Colon Cancer
Funding Organization: Auburn University Research Initiative in Cancer (AURIC)
Project Director: Greene, Michael W.
Years Funded: May 2012-Apr 2013; Award: \$20,000
Role: Principal Investigator

18. Project Title: PKC activation and inhibition of VLDL export defines a mechanism for non-alcoholic fatty liver disease: Reversal of hepatic steatosis by selective inhibition of PKC
Funding Organization: National Institutes of Health (NIH), CTSA: Pilot Collaborative Translational and Clinical Sciences Award
Project Director: Greene, Michael W.
Years Funded: Jul 2011-Jun 2012; Award: \$50,000
Role: Co - Principal Investigator

19. Project Title: Melatonin Supplementation in Complementary Breast Cancer Prevention
Funding Organization: National Institutes of Health, National Cancer Institute
Project Director: Blask, David E.
Years Funded: Apr 2008-Mar 2011; Award: \$162,596
Role: Co - Investigator

20. Project Title: Animal Facility Dark-Phase Light Contamination: Impact on Human Cancer Metabolism
Funding Organization: Association for Assessment and Accreditation of Laboratory Animal Care
Project Director: Dauchy, Robert T.
Years Funded: Jul 2007-Jun 2008; Award: \$24,949
Role: Co - Investigator

21. Project Title: IRS-1 Membrane Localization and Phosphoinositide Binding Mutants
Funding Organization: National Diabetes Trust Foundation
Project Director: Greene, Michael W.
Years Funded: Jul 2004-Jun 2005; Award: \$16,700
Role: Principal Investigator

Unfunded (past eight years)

1. Title: Engineered Colon Cancer Tissue to Examine the Impact of the Obese Microenvironment
Agency: National Institutes of Health (NIH)
Funding Mechanism: R01
Project Director: Elizabeth Lipke, Ph.D./Michael Greene, Ph.D.
Funding Period: April 2021 –March 2026; Award: \$2,000,000
Role: co- Principal Investigator

2. Title: Patient-derived Colorectal Cancer Tumor Microtissues to Advance Testing of Therapeutics
Agency: Department of Defense (DoD)
Funding Mechanism: CDMRP Peer Reviewed Cancer Research Program (PRCRP) Idea Award
Project Director: Elizabeth Lipke, Ph.D.
Funding Period: Apr 2022 – March 2025; Award: \$500,000
Role: co- Investigator

3. Title: Tissue-engineered Tumor Microspheres to Advance Testing of Novel Therapeutics
Agency: National Institutes of Health (NIH)
Funding Mechanism: R21
Project Director: Elizabeth Lipke, Ph.D./Michael Greene, Ph.D.
Funding Period: April 2021 –March 2026; Award: \$400,000
Role: co- Principal Investigator

4. Title: Patient-derived Colorectal Cancer Tumor Microtissues to Advance Testing of Therapeutics
Agency: Department of Defense (DoD)
Funding Mechanism: CDMRP Peer Reviewed Cancer Research Program (PRCRP) Idea Award
Project Director: Elizabeth Lipke, Ph.D./Michael Greene, Ph.D.
Funding Period: Apr 2021 – March 2024; Award: \$500,000
Role: co- Principal Investigator

5. Title: The Impact of Macronutrient Cycling on the Gastrointestinal Microbiome in the Recovery of Metabolic Flexibility in a Western Diet Induced Obese Mouse Model
Agency or Foundation: Edward Via College of Osteopathic Medicine
Project Director: Annie Kirby, Ph.D., R.D.
Funding Mechanism: Research Eureka Accelerator Program
Funding Period: July 2020 – June 2022; Award: \$42,130, AU Subcontract
Role: Co- Investigator

6. Title: Engineered Colon Cancer Tissue to Examine the Impact of the Obese Microenvironment
Agency: National Institutes of Health (NIH)
Funding Mechanism: R01
Project Director: Elizabeth Lipke, Ph.D./Michael Greene, Ph.D.
Funding Period: Aug 2020 – July 2025; Award: \$2,000,000
Role: co- Principal Investigator

7. Title: Automated platform for production of engineered tissue spheroids for use in cell production, cell therapy and high throughput screening applications
Agency: National Institutes of Health (NIH)
Funding Mechanism: STTR
Project Director: Elizabeth Lipke, Ph.D.
Funding Period: Aug 2020 – July 2022; Award: \$168,000
Role: co-Investigator

8. Title: Interdisciplinary Graduate Program for Future Leaders in Advanced Biological Sciences and Emerging Biotechnology Industries
Agency: National Science Foundation (NSF)
Funding Mechanism: Innovations in Graduate Education (IGE) program
Project Director: Jacek Wower, Ph.D.
Funding Period: Aug 2020 – July 2023; Award: \$446,220
Role: co-Investigator

9. Title: The Impact of Recovering Metabolic Flexibility on Gastrointestinal Microbial Symbiosis and Epigenetics in a Western Diet Induced Obese Rat Model
Agency or Foundation: Edward Via College of Osteopathic Medicine
Project Director: Annie Kirby, Ph.D., R.D.
Funding Mechanism: Research Eureka Accelerator Program

Funding Period: June 2019 – May 2020; Award: \$62,000

Role: Co- Investigator

10. Title: Engineered and In Vivo Patient-derived Xenograft Tumors to Recapitulate and Examine the Obese Colon Cancer Microenvironment.

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: R01

Project Director: Elizabeth Lipke, Ph.D./Michael Greene, Ph.D.

Funding Period: Sept 2019 – Aug 2024; Award: \$2,994,410

Role: co-Principal Investigator (co-PI: Elizabeth Lipke, Ph.D., Auburn University)

11. Title: Determining the Energetic Demands of the Immune Response to Infection

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: R15

Project Director: Elizabeth Schwartz, Ph.D.

Funding Period: Jan 2019 –Dec 2022; Requested Direct Costs: \$300,000

Role: Co-Investigator

12. Title: An innovative approach to screen therapeutic targets to treat obesity-linked fatty liver disease

Agency or Foundation: Auburn University

Funding Mechanism: Presidential Awards for Interdisciplinary Research (PAIR)

Project Director: Michael Greene, Ph.D.

Funding Period: June 2018 – May 2020; Requested Direct Costs: \$182,000

Role: Principal Investigator

13. Title: Patient derived tumor cells to evaluate obesity-linked colon cancer aggressiveness

Agency or Foundation: Department of Defense (DoD)

Funding Mechanism: Peer Reviewed Cancer Research Program Idea Award with Special Focus

Project Director: Michael Greene, Ph.D.

Funding Period: March 2018 – February 2020; Requested Direct Costs: \$400,000

Role: Principal Investigator

14. Title: Dependence of the circadian clock in Western diet-induced cognitive dysfunction

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: R15

Project Director: Michael Greene, Ph.D.

Funding Period: April 2018 – March 2021; Requested Direct Costs: \$300,000

Role: Principal Investigator

15. Title: Evaluation of oral oleocanthal to prevent and/or treat Alzheimer's disease and related dementia

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: SBIR (R43)

Project Director: Amal Kaddoumi, Ph.D.

Funding Period: Jan 2018 – Dec 2018; Requested Direct Costs: \$150,000

Role: Co-Investigator

16. Title: Determining the Energetic Demands of the Immune Response to Infection

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: R15

Project Director: Elizabeth Schwartz, Ph.D.

Funding Period: Jul 2017 – Jun 2020; Requested Direct Costs: \$300,000

Role: Co-Investigator

17. Title: Mechanisms and dependence of the circadian clock in time-restricted feeding to ameliorate nonalcoholic steatohepatitis

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: R15

Project Director: Michael Greene, Ph.D.

Funding Period: Jul 2017 – Jun 2020; Requested Direct Costs: \$300,000

Role: Principal Investigator

18. Title: Determining the Energetic Demands of the Immune Response to Infection

Agency or Foundation: National Science Foundation

Funding Mechanism: NSF grant

Project Director: Elizabeth Schwartz, Ph.D.

Funding Period: Jan 2017 – Dec 2021; Requested Direct Costs: \$1,500,000

Role: Co – Investigator

19. Title: Engineered Colon Cancer Tissue for Drug Screening and Investigating the Role of the Obese Microenvironment in Tumor Aggressiveness

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: U01

Project Director: Elizabeth Lipke, Ph.D./Michael Greene, Ph.D.

Funding Period: Jul 2017 – April 2022; Requested Direct Costs: \$2,000,000

Role: co-Principal Investigator (co-PI: Elizabeth Lipke, Ph.D., Auburn University)

20. Title: Obesity-linked colon cancer models using patient derived tumor cells for mechanistic investigation and drug screening

Agency or Foundation: Department of Defense (DoD)

Funding Mechanism: FY16 PRCRP Topic Area of colorectal cancer

Project Director: Elizabeth Lipke, Ph.D.

Funding Period: May 2017 – April 2019; Requested Direct Costs: \$400,000

Role: co-Principal Investigator (co-PI: Elizabeth Lipke, Ph.D., Auburn University)

21. Title: p62 and TRAF6 in obesity and insulin resistance

Agency or Foundation: American Diabetes Association

Funding Mechanism: ADA Pathway Program: Accelerator Award

Project Director: Ramesh Jeganathan, Ph.D.

Funding Period: Jan 2017 – Dec 2021; Requested Direct Costs: \$1,500,000

Role: Co – Investigator

22. Title: Cardiometabolic risk factors and ORM proteins

Agency or Foundation: American Heart Association

Project Director: Michael Greene, Ph.D.

Funding Mechanism: Grant-in-Aid

Funding Period: Jan 2017 – Dec 2018; Requested Direct Costs: \$139,440

Role: Principal Investigator

23. Title: ORM proteins in NAFLD pathophysiology

Agency or Foundation: National Institutes of Health (NIH)

Project Director: Michael Greene, Ph.D.

Funding Mechanism: AREA Grant (R15)

Funding Period: Dec 2016 – Nov 2019; Requested Direct Costs: \$300,000

Role: Principal Investigator

24. Title: Mediterranean diet nutrition intervention in obese men and women using both nutrition education and supplementation of extra virgin olive oil and mixed nuts

Agency or Foundation: Auburn University Competitive Outreach Scholarship Grant Program

Funding Mechanism: Outreach Grant

Project Director: Michael Greene, Ph.D.

Submission Date: Feb 2016; Requested Direct Costs: \$22,000

Role: co-Principal Investigator (co-PI: Kimberly Braxton-Lloyd, Ph.D., Auburn University)

25. Title: Nutrition knowledge and adherence to the Mediterranean diet in rural Italy

Agency or Foundation: Auburn University Women's Philanthropy Board

Project Director: Michael Greene, Ph.D.

Funding Mechanism: Grant

Submission Date: Jan 2016; Requested Direct Costs: \$6,900

Role: Principal Investigator

26. Title: *In vivo* selection of RNA aptamers for CRC detection and therapy

Agency or Foundation: Auburn University Intramural Grants Program

Funding Mechanism:

Project Director: Jacek Wower, Ph.D.

Submission Date: Dec 2015; Requested Direct Costs: \$100,000

Role: co-Principal Investigator

27. Title: Optimizing oral quercetin delivery for the treatment of DMD

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: NIH R15

Project Director: John Quindry, Ph.D.

Submission Date: July 2015; Requested Direct Costs: \$300,000

Role: Co – Investigator

28. Title: p62 and TRAF6 in obesity and insulin resistance

Agency or Foundation: American Diabetes Association (ADA)

Funding Mechanism: Innovative Basic Science Award

Project Director: Ramesh Jeganathan, Ph.D.

Submission Date: April 2015; Requested Direct Costs: \$345,000

Role: Co - Investigator

29. Title: Augmenting quercetin-mediated protection of dystrophic muscle

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: NIH R21

Project Director: John Quindry, Ph.D.

Submission Date: February 2015; Requested Direct Costs: \$275,000

Role: Co - Investigator

30. Title: Mechanism of p62/TRAF6 complex in insulin signaling

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: NIH R15 Academic Research Enhancement Award (AREA)

Project Director: Ramesh Jeganathan, Ph.D.

Submission Date: February 2015; Requested Direct Costs: \$300,000

Role: Co – Investigator

31. Title: Sensitive protein quantitation in blood serum and in microfluidic systems enabled by thermally resolved proximity assays

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: NIH R01

Project Director: Chris Easley, Ph.D.

Submission Date: October 2014; Requested Direct Costs: \$1,000,000

Role: Co - Investigator

32. Title: Insulin-resistant Microenvironmental Stimulation of Patient-derived Colon Cancer

Agency or Foundation: National Institutes of Health (NIH)

Funding Mechanism: NIH R21

Project Director: Michael Greene, Ph.D.

Submission Date: June 2014; Requested Direct Costs: \$275,000

Role: co-Principal Investigator (co-PI: Elizabeth Lipke, Ph.D., Auburn University)

33. Title: Fatty Nude Rat Model of Human Colon Cancer

Agency or Foundation: Auburn University Research Initiative in Cancer (AURIC)

Project Director: Michael Greene, Ph.D.

Funding Mechanism: Seed Grant

Submission Date: April 2014; Requested Direct Costs: \$20,000

Role: Principal Investigator

34. Title: Human colon cancer: new models and technologies

Agency or Foundation: Auburn University Research Initiative in Cancer (AURIC)

Funding Mechanism: Major Program Grant

Project Director: Michael Greene, Ph.D.

Submission Date: September 2013; Requested Direct Costs: \$200,000

Role: co-Principal Investigator (co-PI: Peter Panizzi, Ph.D., Auburn University)

35. Title: Metabolic cages for cancer, drug, and metabolic disease research

Agency or Foundation: Auburn University Research Initiative in Cancer and Auburn University Intramural Grants Program

Project Director: Michael Greene, Ph.D.

Funding Mechanism: Level 4 IGP

Submission Date: Jan 2013; Requested Direct Costs: \$151,949

Role: Principal Investigator