

Kristi Crowe-White, PhD, RD
University of Alabama
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Academics

B.S.	Nutrition	Samford University, 2000
M.S.	Food Science & Nutrition	University of Maine, 2002
Ph.D.	Food Science & Nutrition	University of Maine, 2006
R.D.	Dietetic Internship	University of Alabama at Birmingham, 2009
	National Science Foundation Fellowship	University of Maine, 2003-2006

Scholarly Training

- Certified Phlebotomy Technician by the National Health Career Association, 2017 - present
- University of Alabama at Birmingham Geriatric Education Center's Faculty Scholars Program, 2015-2016
- NIH Grant Writing Institute – National Institutes of Health, June 2013
- NIH Jr. Investigator's Program – University of Alabama, September 2011 – May 2012
- Nutrition Data System for Research (NDSR) Training – University of Minnesota, March 2011

Professional Work Experience

- University of Alabama
 - Associate Professor, Human Nutrition August 2016 – to present
 - Assistant Professor, Human Nutrition August 2010 – August 2016
- Time, Inc. The Southern Progress Corporation 2007- 2009
 - Food Chemist

Research Focus

- **Aim 1** – Investigate bioactive food compounds for their influence on oxidative and inflammatory stress as underlying mechanisms of obesity and cardio-metabolic diseases especially their influences on vascular health
- **Aim 2** – Examine the influence of adiposity on bioactive compound deposition and bioavailability
- **Aim 3** – Explore genetic variants underlying compound utilization and bioactivity to optimize treatment effectiveness and personalize nutrition recommendations

Intellectual Properties

Crowe-White KM. US Provisional Patent: 10025-216PV1 Antioxidant-infused Gum for Improving Oral Health. Copyright 2018, University of Alabama.

Funded Research - External

- Knol L, **Crowe-White KM.** (2018-2019). *REDOX ME: An investigation of the relationship between oxidative stress biomarkers and mindful eating practices.* Academy of Nutrition and Dietetics Dietitians in Integrative and Functional Medicine Grant.
- **Crowe-White KM,** Jung S. (2017-2018). *Modulating Oxidative Stress through Antioxidant-Infused Spice Chews: the MOSAIC Study.* Academy of Nutrition and Dietetics McCormick Science Institute Research Award Grant.

- Gosa M. Collaborators: Bolland A, **Crowe-White KM**. (2018). *Usefulness of the Adapted Pre-Feeding Skills Checklist for Identification of Oral Phase Dysphagia in Non-Medically Complex Children with Feeding Difficulties*. American Speech-Language-Hearing Foundation.
- **Crowe-White KM**, Ellis A. (2016-2018). *Bioactive Compounds in Watermelon Juice Modulating Oxidative Stress and Inflammation in Elders: the MOXIE Study*. American Heart Association Mentored Clinical and Population Research Award.
- Allison D, **Crowe KM**. (2013-2014). *Functional Foods: Issues in Evaluating Bioactive Food Components in Obesity and Cancer Prevention*. NIH R13 National Cancer Institute, Office of Dietary Supplements – PA-10-071.
- Allison DB, **Crowe KM**. (2012). *Scientific Approaches for Increasing Research Integrity in Nutrition and Energetics*. The Coca-Cola Company Conference Grant.
- **Crowe KM**, Lawrence J, Meyer MK. (2012-2013). *Improving Dietary Protein Intake among Residents of Long-Term Care Facilities through the Development and Sensory Testing of Protein-Enhanced Soups*. Nestlé USA.
- Bullard A, **Crowe KM**, Johnson C. (2011). *Biomarker Prospecting: DHOS hydrocarbon and dispersant discharge in the Gulf of Mexico using Gulf killifish as an aquatic model sentinel for aquatic and human physiological response to toxicants*. British Petroleum Co. Gulf of Mexico Research Initiative.

Funded Research - Internal

- Knol L, Appell S, **Crowe-White KM (Co-I)**. Feasibility of Conducting a Mindful Eating Weight Loss Program for Adults entitled "Project MEE: Feeding the Mind, Body, and Soul". Research Grants Committee, University of Alabama.
- Ellis A, **Crowe-White KM (Co-I)**, Locher J. (2014-2015). *Bioactive Compounds in Watermelon Modulating Oxidative Stress and Inflammation in Elders: The MOXIE Study*. University of Alabama System Collaborative Research Initiative Grant.
- **Crowe KM**. (2012-2014). *Mitigating Obesity-Related Sequelae: Does Dietary Antioxidant Intake Matter?* Research Grants Committee, University of Alabama.
- **Crowe KM**. (2012). *Phenolic Content and Antioxidant Density of Solid Fruit versus 100% Juice Servings*. Crenshaw Endowed Research Grant, University of Alabama.
- **Crowe KM**. (2011). *Impact Assessment of Flavonoids on Oxygen Radical Absorbance Capacity (ORAC) as a Biomarker of Oxidant Status*. Crenshaw Endowed Research Grant, University of Alabama.
- **Crowe KM**. (2010). Collaborative Learning Research Grant, University of Alabama.

Peer-Reviewed Publications (* denotes student-mentored research)

1. **Crowe-White KM**, Ellis AC, Mehta T, Locher JL, Ard JD. Diet Quality Assessed by the HEI-2010 and Biomarkers of Cardiometabolic Disease: an Exploratory Analysis. *J Am Coll Nutr*. Accepted February 6, 2019.
2. Ellis AC, Dudenbostel T, **Crowe-White KM**. Watermelon Juice: a Novel Functional Food to Increase Circulating Lycopene in Older Adult Women. *Plant Foods Hum Nutr*. 2019 <https://doi.org/10.1007/s11130-019-00719-9>
3. *Senkus KE, Tan L, **Crowe-White KM**. Lycopene and Metabolic Syndrome: A Systematic Review of the Literature. *Adv Nutr*. 2019;10:19-29.
4. ***Crowe-White KM**, Cardel MI, Burkhalter HH, Huo T, Fernández JR. Higher Intake of

- n-6:n-3 Fatty Acids is Associated with Decreased Cardiometabolic Risk Factors in a Racially Diverse Sample of Children. *Curr Dev Nutr*. 2018;2:nzy014.
5. Jung SE, Ellis AC, **Crowe-White KM**. Intention of Older Women to Consume 100% Watermelon Juice for Vascular Health: an Application of the Theory of Planned Behavior. *J Nutr Gerontol Geriat*. 2018;37(2):130-143.
 6. **Crowe-White KM**, et al. Metabolic Impact of 100% Fruit Juice Consumption on Lipid Profiles and Antioxidant/Oxidant Status of Adults: an Evidence-based Review. *Crit Rev Food Sci Nutr*. 2017;57:152-162.
 7. Ellis A, Dudenbostel T, Locher J, **Crowe-White KM**. Modulating Oxidative Stress and Inflammation in Elders: The MOXIE Study. *J Nutr Gerontol Geriat*. 2016;35:219-242.
 8. **Crowe-White KM**, et al. Impact of 100% Fruit Juice Consumption on Diet and Weight Status of Children: an Evidence-based Review. *Crit Rev Food Sci Nutr*. 2016;56:871-884.
 9. *Donahue E, **Crowe KM**, Lawrence J. Sensory Evaluation of Protein-Enhanced Soups among Residents of Long-Term Care Facilities. *Int J Food Sci Nutr*. 2015;66(1):104-107.
 10. **Crowe KM**, Allison DB. Evaluating Bioactive Food Components in Obesity and Cancer Prevention. *Crit Rev Food Sci Nutr*. 2015;55:732-734.
 11. ***Crowe KM**, Murray E. Evaluating the Phenolic Content of Solid versus Beverage Forms of Select Fruit. *J Nutr Ecol Food Res*. 2014;2:49-53.
 12. **Crowe KM**. Optimizing Protein Precipitation Efficiency for Assessing the Contribution of Low Molecular Weight Compounds to Serum Antioxidant Capacity. *Clin Biochem*. 2014;47:116-118.
 13. **Crowe KM**, Newton J, Kaltenboeck B, Johnson C. Oxidative Stress Responses of Gulf Killifish Exposed to Hydrocarbons from the Deepwater Horizon Oil Spill: Considering Potential Implications on Aquatic Food Resources. *Environ Toxicol Chem*. 2014;33:370-374.
 14. **Crowe KM**. Designing Functional Foods with Bioactive Polyphenols: Highlighting Lessons Learned from Original Plant Matrices. *J Human Nutr Food Sci*. 2013;1:1018-1019.
 15. **Crowe KM**, Francis C. The Academy of Nutrition and Dietetics Position Paper on Functional Foods. *J Acad Nutr Diet*. 2013;113:1096-1103.
 16. ***Crowe KM**, Murray E. Deconstructing a Fruit Serving: Comparing the Antioxidant Density of Whole Fruit versus 100% Fruit Juice. *J Acad Nutr Diet*. 2013;113(10):1354-1358.
 17. Ellis A, **Crowe KM**, Lawrence J. Obesity-related Inflammation: Implications for Older Adults. *J Nutr Gerontol Geriat*. 2013;32:263-290.
 18. *Breshears K, **Crowe KM**. Sensory and Textural Evaluation of Gluten-Free Bread Substituted with Amaranth and Montina™ Flour. *J Food Res*. 2013;2(4):1-10.
 19. Neggers YN, **Crowe KM**. Prenatal Care and other Risk Factors Associated with Low Birth Weight: A Comparative Assessment between Cuba and Alabama. *J Am Board Family Med*. 2013;26(2):187-195.
 20. **Crowe KM**, Skonberg D, Bushway A, Bushway R. Application of ozone sprays as a strategy to improve the microbial safety and quality of salmon fillets. *Food Control*. 2012;25:464-468.
 21. **Crowe KM**, Bushway A, Davis-Dentici K. Impact Of Postharvest Treatments, Chlorine And Ozone, Coupled With Low-Temperature Frozen Storage On The Antimicrobial Quality Of Lowbush Blueberries (*Vaccinium angustifolium*). *LWT – Food Sci Technol*. 2012;47:213-215.
 22. **Crowe KM**, Bushway A, Bushway R, Hazen R. Evaluation of Chemical and Photochemical Oxidation Processes for Degradation of Phosmet on Lowbush Blueberries (*Vaccinium angustifolium*). *J Agric Food Chem*. 2006;54:9608-9613.

23. **Crowe KM**, Bushway A, Bushway R, Davis-Dentici K. Microbial Degradation of Phosmet on Blueberry Fruit and in Aqueous Systems by Indigenous Bacterial Flora on Lowbush Blueberries (*Vaccinium angustifolium*). *J Food Sci.* 2007;72:293-299.
24. **Crowe KM**, Bushway A, Bushway R, Davis-Dentici K. Comparison of Single Oxidants versus Advanced Oxidation Processes as Chlorine-Alternatives for Wild Blueberry Processing. *Int J Food Microbiol.* 2007;116:25-31.
25. **Crowe KM**, Bushway A, Bushway R. Effects of Alternative Postharvest Treatments on the Microbiological Quality of Lowbush Blueberries. *Int J Fruit Sci.* 2005; 4:29-39.

Invited Peer-Reviewed Book Chapters and Position Papers

- **Crowe-White KM**, Francis C. Functional Foods in Diet Therapy. In: Mullin G, Marian M. *Integrative Nutrition Therapy*. New York, NY: Taylor and Francis-CRC Press; 2016.
- **Crowe KM**, Francis C. The Academy of Nutrition and Dietetics Position Paper on Functional Foods. *J Acad Nutr Diet.* 2013;113:1096-1103.
- **Crowe KM**. White Paper on Umami in Foods. *Academy of Nutrition and Dietetics Evidence Analysis Library*. 2013. <http://www.adaevidencelibrary.com/default.cfm?library=EAL&home=1>

Web-based Peer-Reviewed Publications

- **Crowe-White KM**, Hold J, Washington L. “Exercising Autonomy in Geriatric Palliative Care.” The Deep South CME Network, UAB Division of CME, Geriatric-Focused CME Courses. <http://www.alabamacme.uab.edu/geriatrics.aspx> July 2016.

Peer-Reviewed Oral Presentations (* denotes student-mentored research)

1. ***Crowe KM**, Murray E. *Provision of Phenolic Phytochemicals by 100% Fruit Juice*. Accepted for presentation at the Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2014.
2. *Donahue E, **Crowe KM**, Lawrence J. *Increasing Dietary Protein Provision among Older Adults using Protein-Enhanced Soups*. Accepted for presentation at the Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2014.
3. **Crowe KM**, Johnson C, Newton J, Bullard A. *Hydrocarbon-induced Biomarker Responses in Gulf Killifish, Fundulus grandis, as an Aquatic Gulf of Mexico Sentinel*. Gulf of Mexico Oil Spill and Ecosystem Science Conference, January 2013.
4. Glagola-Dunn C., Knol L., Robb C. A., **Crowe, K**. *The Monetary Impact of Grocery Tax in Alabama on Fruit and Vegetable Purchases in a Variety of Demographics*. American Council on Consumer Interests National Conference, April 2012.
5. **Crowe KM**, Knol L. *Influence of Meal Location and Family Meals on Carotenoid Intake among U.S. Children*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, September 2011.
6. **Crowe KM**, Bushway A, Bushway R. *Evaluation of Ozone as a Single and Synergistic Oxidant for Improvement of Chemical and Microbial Safety of Lowbush Blueberries (Vaccinium angustifolium)*. International Ozone Association Sustainable Agriculture Conference, October 2007.
7. **Crowe KM**, Bushway A, Bushway R, Dentici K. *Degradation of Phosmet and Improvement of Microbial Quality through Postharvest Application of Ozone, Hydrogen Peroxide, and UV*. Institute of Food Technologists Annual Meeting, June 2006.

Peer-Reviewed Poster Presentations (* denotes student-mentored research)

1. *KE Senkus, Tan L, **Crowe-White KM**. *Lycopene Attenuates High-Fat Diet-Induced Oxidative Stress in Sprague-Dawley Rats*. American Society for Nutrition Conference, June 2018.
2. **Crowe-White KM**, Dudenbostel T, Ellis A. *Bioavailability and Acute Effects of Bioactive Compounds in Watermelon Juice on Blood Pressure*. American Society for Nutrition Conference, June 2018.
3. Ellis A, **Crowe-White KM**. *Associations between Dietary Intake and Vascular Resistance among Post-menopausal Women*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2018.
4. KE Senkus, Tan L, Crowe-White KM. *Lycopene and Metabolic Syndrome*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2018.
5. **Crowe-White KM**, Watson A, Doucet J, Bolland A, Bryan M, Gosa M. *Relationship between Problematic Pediatric Feeding Behavior and Nutritional Intake in Young Children*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2018.
6. Jung SE, Ellis A, **Crowe-White KM**. *Older Women's Intention to Consume 100% Watermelon Juice for Vascular Health*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2017.
7. *Aiken S, Knol L, **Crowe-White KM**, Turner LW. *Blogs Featuring Homemade Infant Formula Recipes Offer Controversial Advice to Consumers: a Qualitative Analysis*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2017.
8. ***Crowe-White KM**, Burns T, Buzzard J, Dolan L, Register S, Ellis A. *Knowledge and Intake of Nutrient-Dense Dietary Patterns are Deficient among College Students*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2017.
9. *Ellis A, Burns T, Buzzard J, Dolan L, Register S, **Crowe-White KM**. *Food Insecurity among College Students does not differ by Affiliation in Greek Life*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2017.
10. Ellis A, Dudenbostel T, **Crowe-White KM**. *Acute Effects of Watermelon on Vascular Function and Serum Antioxidant Capacity*. Experimental Biology Conference, April 2017.
11. **Crowe-White KM**, Ellis A, Locher J, et al. *Relationship between Cardiometabolic Disease Risk Staging and Serum Antioxidant Capacity in Obese Older Adults*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2016.
12. *Gibson M, **Crowe-White KM**. *Effects of Processing on the Phytochemical Profile and Antioxidant Capacity of Four Honey Varietals*. Institute of Food Technologists Annual Meeting, July 2015.
13. Ellis A, **Crowe-White KM**. *Dietary Acidity/Alkalinity and its Relationship with Bone Health among Older Adults*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2015.
14. Foster A, **Crowe-White KM**, Knol L, Singh R. *Expanding Dietary Offerings for Individuals with Phenylketonuria through Sensory Evaluation of Low-Protein Foods with Glycomacropeptide-based Medical Formula*. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2015.
15. Skonberg D, **Crowe KM**, Bushway A, Baxter S. *Efficacy of Ozone Against *Listeria innocua* on Raw Salmon Fillets*. Institute of Food Technologists Annual Meeting, July 2007.
16. **Crowe KM**, Bushway A, Bushway R, Dentici K, Perkins B. *Degradation of Phosmet through Microbial Mineralization and Postharvest Application of Hydrogen Peroxide and UV*. Pacifichem International Chemical Congress, December 2005.

17. **Crowe KM**, Bushway A, Bushway R. *Effects of Chemical and Photochemical Oxidation Processes on the Microbial Population and Pesticide Residues of Lowbush Blueberries*. Institute of Food Technologists Annual Meeting, July 2005.
18. **Crowe KM**, Bushway A, Leathem W. *Incorporation of Food Chemistry into the Secondary Educational System through the NSF GK-12 Program at the University of Maine*. Institute of Food Technologists Annual Meeting, July 2005.
19. **Crowe KM**, Bushway A, Bushway R. *Postharvest Hydrogen Peroxide Applications for Lowbush Blueberries (*Vaccinium angustifolium*)*. Institute of Food Technologists Annual Meeting, July 2004.
20. **Crowe KM**, Morcom M, Bushway A. *Enhancing Food Science Education through the National Science Foundation at the University of Maine*. Institute of Food Technologists Annual Meeting, July 2004.
21. **Crowe KM**, Bushway A, Bushway R, Perkins B. *Microbial Quality and Safety of Lowbush Blueberries (*Vaccinium angustifolium*) as Influenced by Traditional and Emerging Disinfectant Technology*. Institute of Food Technologists Annual Meeting, July 2003.
22. **Crowe KM**, Bushway A, Bushway R. *Effects of Postharvest Treatments on the Microbiological Quality and Pesticide Residues of Lowbush Blueberries*. Institute of Food Technologists Annual Meeting, June 2002.
23. Camire M, **Crowe KM**, Ghazanfar S, Dougherty M. *Daily Raisin Consumption Improves Serum Lipids*. Annual Conference of Experimental Biology, April 2002.

Invited Oral Presentations

International

- Neggers Y, **Crowe KM**. *Nutrition in Pregnancy: Comparative Assessment of Emerging and Established Risk Factors including Dietary Antioxidant Intake and their Association with Low Birth Weight in Cuba and Alabama*. University of Havana and the College of San Geronimo, University of Alabama-Cuba Initiative, February 2012.

National

- **Crowe-White KM**. *Coconut Oil: Super Food or Super Fad*. Military Families Learning Network. October 2018. <https://learn.extension.org/events/3418>
- **Crowe-White KM**. *Trans Fat in Foods Update*. Military Families Learning Network. February 2016. <https://learn.extension.org/events/2356%20February%202016>

State

- **Crowe-White KM**. *The MOXIE Study: Modulating Oxidative Stress and Inflammation in Elders through 100% Watermelon Juice Consumption*. Alabama Family and Consumer Sciences Conference, February 2017.
- **Crowe KM**. *The Adiposity Trap: Impact of Obesity on Circulating Levels of Antioxidants*. Alabama Dietetic Association Annual Meeting, March 2014.
- **Crowe KM**. *Functional Foods: Why Prescriptive Eating Matters*. Alabama Dietetic Association Annual Meeting, March 2012.

Dissertation Committees

1. Katelyn E. Senkus. *Mouth Rinses Infused with Nitrates/Nitrites and Antioxidants to Support the Enterosalivary Pathway for Oral and Vascular Health*. Committee Chair (2018 until present).

Thesis Committees

1. Mickalyn Summerford. *All Purées Are Not Created Equal: An Investigation of the Nutritional and Food Properties of Puréed Foods Commonly Consumed in the First Year of Life*. Committee Member (2017 – 2019).
2. Amelia Foster. *Sensory Comparison of Low-Protein Recipes with Glycomacropeptide-Containing BetterMilk™ among Adults with PKU*. Committee Chair (2013 – 2014)
3. Elizabeth Donahue. *Improving Dietary Protein Intake among Residents of Long-Term Care Facilities through the Development and Sensory Testing of Protein-Enhanced Soups*. Committee Co-Chair (2012 – 2013)
4. Caroline Glagola-Dunn. *Financial Impact of Grocery Tax on Fruit and Vegetable Purchases in Alabama*. Committee Member (2011 – 2012)

Mentored Graduate Student Research

1. Katelyn E. Senkus – M.S. Nutrition. *Lycopene and Metabolic Syndrome: A Systematic Review of the Literature*. Advisor for NHM 598 Independent Research, 2017-2018.
 - *Adv Nutr*. 2019;10:19-29.
2. Tinsley Phillips – M.S. Nutrition. *Relationship between Lycopene and Cognitive Function in Mid to Late Adulthood: A Systematic Review*. Advisor for NHM 598 Independent Research, 2016-2017.
 - Under review *Journal of Nutritional Science*, January 2019.
3. Hannah Haas Barnett – M.S. Nutrition. *Intake of omega-6:omega-3 PUFA and its Relationship with Cardiometabolic Risk Factors in a Racially Diverse Sample of Children*. Advisor for NHM 598 Independent Research Study, 2015 – 2016.
 - *Curr Dev Nutr*. 2018;2:nzy014.
4. Karen Breshears – M.S. Nutrition. *Acceptability of Gluten-Free Bread Products Made with Nutritious Alternative Grains*. Advisor for NHM 598 Independent Research Study, (2011 – 2012).
 - *J Food Res*. 2013;2(4):1-10.

Mentored Undergraduate Student Research

1. Anna Bragg. *Acute Effects of 100% Watermelon Juice on Serum Antioxidant Capacity*. Advisor for Undergraduate Research Mentorship 2016-2017.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2017.
2. Katelyn Senkus & Jala Lockhart. *Sensory Comparison of 100% Watermelon Juice with an Isocaloric Placebo Beverage*, Advisor for Undergraduate Research Mentorship 2016-2017.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2017.
3. Lauren Burkley. *Impairments in Taste Perception among Individuals with Autism Spectrum Disorder: a Systematic Review*. Advisor for Undergraduate Research Mentorship 2016-2017.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2017.

4. Luke Dolan, Stephanie Register, Julie Buzzard, Taylor Burns. *Dietary Advice for Transitioning Athletes: the DATA Project*. Advisor for Undergraduate Research Mentorship 2016-2017.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2017.
5. Sara Kazyak. *Acute Effects of 100% Watermelon Juice on Vasodilation*. Advisor for Undergraduate Research Mentorship 2016-2017.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2017.
6. Anna Bragg. *Cardiometabolic Disease Staging and Inflammatory Status in Obese Older Adults*. Advisor for Undergraduate Research Mentorship 2016.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2016.
 - Poster presentation at Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, October 2016.
7. Rainey Gerald. *Accuracy of Dietary Recalls and Food Frequency Questionnaires in Determining Nutrient Intake*. Co-advisor for Undergraduate Research Mentorship 2016.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2016.
8. Reagan Hattaway & Mary Clay Kline. *Phenolic and Flavonoid Content of Phyllostachys aurea*. Advisor for the University of Alabama's Emerging Scholar Program 2015-2016.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2016.
9. Madeline Gibson. *Characterizing the Phenolic Profile of Raw and Pasteurized Honey*. Advisor for the University of Alabama's Emerging Scholar Program 2014-2015.
 - Peer-reviewed poster presentation at the Institute of Food Technologists Annual Meeting 2015 in the Food Chemistry Division
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2015
10. Mary Muffly. *The Acid-Base Hypothesis: Dietary Protein and Bone Health among Older Adults*. Advisor for the University of Alabama's Emerging Scholar Program 2014-2015.
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2015
11. Elizabeth Murray. *Phenolic Content and Antioxidant Density of Solid Fruit versus 100% Fruit Juice*. Advisor for NHM 491 – Directed Independent Study 2012.
 - *J Acad Nutr Diet* 2013;113:1354-1358
 - *J Nutritional Ecol Food Res* 2014;2:49-53
 - Poster presentation at the University of Alabama Undergraduate Research and Creative Activity Conference 2013

Teaching Experience and Course Development

- NHM 602 Methods in Translational Nutrition Research
- NHM 691 Grant Writing for Translational Nutrition Research
- NHM 558 Nutrition in the Prevention and Treatment of Chronic Disease
- NHM 454 Experimental and Functional Foods
- NHM 395 Research Methods in Food and Nutrition

- NHM 253 Food Science

Course Development for Online Delivery

- NHM 558 Nutrition in the Prevention and Treatment of Chronic Disease
- NHM 454 Experimental and Functional Foods
- NHM 253 Food Science

Professional Service Positions

- **Academy of Nutrition and Dietetics** (*all appointed positions*)
 - Council on Research, 2016-2017
 - Evidence-Based Practice Committee, 2015-2018
 - Committee Chair, 2016-2017
 - Evidence Analysis Library – Chair, Dietary and Metabolic Impact of Fruit Juice Consumption, 2013-2014
 - Evidence Analysis Library - Chair, Umami in Healthy Eating, 2012-2014
 - Evidence Analysis Library - Member, Umami in Foods, 2011-2013
 - Co-author of the Academy position paper on functional foods.
 - *J Acad Nutr Diet.* 2013;113:1096-1103.
- **Alabama Research Institute on Aging (ARIA)**, Faculty Associate 2016 – to present
- **Editorial Board Appointments**
 - *Journal of Human Nutrition and Food Science*, June 2013 – present
- **Invited Reviewer**
 - *Journal of the Academy of Nutrition and Dietetics*
 - *Journal of Food Science*
 - USDA SBIR Phase I Food Science and Nutrition Program Grants
- **Institute of Food Technologists**
 - Food Science Ambassador, 2007 – present
 - Food Science Media Team, 2012 – present
 - Outstanding Section Volunteer, 2010
 - Nutrition Division Research Reviewer, 2008-2012
 - Southeast Section Chair, 2009-2010
- **University of Alabama**
 - Institutional Biological Safety Committee Chair, 2012 – present
 - Food Science Club Chair, 2014 – 2016
 - Preceptor for NHM 491 – Research Externship, 2016 - present
- **Advisory Boards**
 - Alabama Obesity Initiative Conference Committee Chair, 2010 – present
 - Samford University Department of Nutrition Advisory Board, 2007 – present

Professional Memberships

- Academy of Nutrition and Dietetics, 2009 - present
- American Chemical Society, 2006 - present
- American Society for Nutrition, 2016 - present
- Alabama Obesity Initiative, 2010 - present
- Institute of Food Technologists, 2001- present

- Kappa Omicron Nu Honor Society, 1999 - present
- Phi Kappa Phi Honor Society, 2003 - present
- Phi Tau Sigma Honor Society, 2001 - present

Honors and Awards

- Samford University School of Public Health Alumni of the Year Award 2017
- University of Alabama President's Faculty Research Award 2016
- University of Alabama College of Human Environmental Sciences Leadership Board Excellence in Scholarly Research Award 2015
- Academy of Nutrition and Dietetics Foundation Margaret D. Simko Memorial Award for Excellence in Clinical Poster Session, 1st runner up, October 2015
- University of Alabama at Birmingham Outstanding Alumni in Nutrition Spotlight, 2012
- University of Maine Dow, Griffiee, & Clements Outstanding Graduate Research Award, 2005
- Institute of Food Technologists Food Product Development Competition
 - First Place, University of Maine YoBon Berry Bites, 2006
- Northeast Region Institute of Food Technologists Graduate Scholarship (4), 2003-2006
- Phi Mu Women in Science Graduate Research Scholarship (2), 2004-2006
- Proctor & Gamble Co. Graduate Research Fellowship, 2005-2006
- University of Maine Department of Food Science & Human Nutrition Graduate Research Scholarship, 2002 & 2004