

Melissa Beth Hansen-Petrik, PhD, RDN, LDN

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Department of Nutrition
The University of Tennessee
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Education and Training

2001	Ph.D.	Nutrition, The University of Tennessee, Knoxville, TN. Dissertation: "Effects of Dietary Fatty Acids on Intestinal Tumorigenesis in <i>Apc^{Min/+}</i> Mice," Advisor: Dr. Jay Whelan.
1992	M.S.	Nutrition, Case Western Reserve University, Cleveland, OH.
1991	RDN	Dietetic internship, University Hospitals of Cleveland, Cleveland, OH.
1990	B.S.	Nutrition, South Dakota State University, Brookings, SD
1994-1999	CNSD	Certified Nutrition Support Dietitian, Certification #026917

Professional Experience

2020-present		Director of the Future Education Model Graduate Program Department of Nutrition The University of Tennessee, Knoxville
2016-present		Clinical Associate Professor and Director, Undergraduate Program Department of Nutrition The University of Tennessee, Knoxville
2002-2020		Director of the Didactic Program in Dietetics Department of Nutrition The University of Tennessee, Knoxville
2009-2016		Clinical Assistant Professor Department of Nutrition The University of Tennessee, Knoxville
2005-2009		Research Assistant Professor Department of Nutrition The University of Tennessee, Knoxville
2001-2005		Lecturer Department of Nutrition The University of Tennessee, Knoxville

1999-2001	Graduate Research Assistant Department of Nutrition The University of Tennessee, Knoxville
1996-1999	Graduate Teaching Associate Department of Nutrition The University of Tennessee-Knoxville
1995-1996	Adjunct Instructor College of Nursing The University of North Carolina-Wilmington
1992-1996	Clinical Nutritionist Food and Nutrition Management New Hanover Regional Medical Center, Wilmington, NC Areas of concentration: Neurology, nephrology, critical care
1989 and 1990 May-August	Dietetic Technician Fort Meade VA Medical Center, Fort Meade, SD
1989-1990	Volunteer Nutrition Consultant South Dakota Head Start Preschool, Brookings, SD

Honors, Awards, and Scholarships

2020	Outstanding Dietetic Educator in a Didactic Program in Dietetics, Nutrition and Dietetics Educators and Preceptors, U.S. North Central Region.
2020	Outstanding Dietetic Educator, Tennessee Academy of Nutrition and Dietetics.
2016	Outstanding Dietetic Educator, Knoxville Academy of Nutrition and Dietetics.
2016	Mary Helen Byers Award for Innovative Teaching, The University of Tennessee College of Education, Health, and Human Sciences.
2012	Nominee and finalist, Alumni Association Outstanding Teacher Award, The University of Tennessee.
2010	Outstanding Dietitian, Knoxville District Dietetic Association.
2008	Mary Helen Byers Award for Innovative Teaching, The University of Tennessee College of Education, Health, and Human Sciences.
2006	Outstanding Dietetic Educator, Knoxville District Dietetic Association.
2000	Graduate Student Research Award, American Society for Nutritional Sciences, Sponsored by Proctor & Gamble, Experimental Biology, San Diego, CA.
2000	Chancellor's Citation for Extraordinary Professional Promise, The University of Tennessee.
2000	Citation for Outstanding Research by a Graduate Student, College of Human Ecology, The University of Tennessee.
1999	Avanti Founder's Research Award, Southeastern Regional Lipid Conference, Cashiers, NC.
1991	CBORD Group, Inc., Corporate Scholarship, The American Dietetic Association Foundation.
1989	South Dakota Dietetic Association Centennial Award.

- 1988 South Dakota Dietetic Association Incentive Award.
1987 Invited member, Phi Upsilon Omicron Honor Society, South Dakota State University, 1987-1990, served as corresponding secretary and vice president.

Grants & Funding Completed

Improving Clinical Education for Advanced Practice Learning through Academic Practice Partnerships (ICE). Principal Investigator: Karen Lasater. Role: Nutrition Faculty member, Interprofessional Education (IPE) Team. Funding Agency: HHS-HRSA D09HP28674. Time period of commitment: May 11, 2017-June 30, 2018.

Mechanisms of ketogenic diet efficacy in the treatment of epilepsy. Principal Investigator: **Melissa Hansen-Petrik**. Funding Agency: Mary Helen Byers Award, The College of Education, Health, and Human Sciences, The University of Tennessee. Amount: **\$3,000**. Time Period: May 2007-April 2008.

Microarray analysis of gene expression profiles in epileptic mouse brain following treatment with a ketogenic diet. Principal Investigator: **Melissa Hansen-Petrik**, with Christopher Miller, MD, and Kathy Irwin as Co-investigators. Funding Agency: Gemple Research Award, The American Dietetic Association Foundation. Amount: **\$5,000**. Time Period: July 2005-June 2007.

The effect of play food on real food preferences in the childcare setting. Principal Investigator: **Melissa Hansen-Petrik**, with A. Paige Duhl and Haley Nodell as Co-investigators. In conjunction with The University of Tennessee Early Learning Center for Research and Practice with support from Small World Toys, Culver City, CA. Funding Agency: Mary Helen Byers and Nancy Belck Awards, The College of Education, Health, and Human Sciences, The University of Tennessee. Amount: **\$3,600**. Time Period: May 2006-April 2007.

Alterations in gene expression profiles in epileptic mouse brain following ketogenic diet treatment. Summer SARIF Graduate Research Award, The University of Tennessee, to Kathy Irwin. Amount: **\$3,600**. Time Period: May-August 2006.

The ketogenic diet as treatment for intractable epilepsy in children. Principal Investigators: Christopher Miller, MD, Karsten Gammeltoft, MD, and Kathy Irwin. Faculty Advisor: **Melissa Hansen-Petrik**. Funding Agency: Epilepsy Foundation of East Tennessee. Amount: **\$42,500**. Time Period: January 2004-December 2005.

Publications

Book Chapters

Hansen-Petrik MB. *Nutritional Genomics in Nutrition Therapy and Pathophysiology 4E*, Marcia Nahikian Nelms, ed. Belmont, CA: Wadsworth/Cengage Learning, 2019.

Hansen-Petrik MB. *Nutritional Genomics in Nutrition Therapy and Pathophysiology 3E*, Marcia Nahikian Nelms, Kathryn P. Sucher, Karen Lacey, eds. Belmont, CA: Wadsworth/Cengage Learning, 2016.

Irwin KJ, **Hansen-Petrik MB.** *Diseases and Disorders of the Neurological System in Nutrition Therapy and Pathophysiology 3E*, Marcia Nahikian Nelms, Kathryn P. Sucher, Karen Lacey, eds. Belmont, CA: Wadsworth/Cengage Learning, 2016.

Hansen-Petrik MB. *Nutritional Genomics in Nutrition Therapy and Pathophysiology 2E*, Marcia Nelms, Kathryn P. Sucher, Karen Lacey, Sara Long Roth, eds. Belmont, CA: Wadsworth/Cengage Learning, 2011.

Irwin KJ, **Hansen-Petrik MB.** *Diseases and Disorders of the Neurological System in Nutrition Therapy and Pathophysiology 2E*, Marcia Nelms, Kathryn P. Sucher, Karen Lacey, Sara Long Roth, eds. Belmont, CA: Wadsworth/Cengage Learning, 2011.

Hansen-Petrik MB. *Nutrigenomics in Nutrition Therapy and Pathophysiology 1E*, Marcia Nahikian-Nelms, Kathryn Sucher, Sara Long, eds. Belmont, CA: Wadsworth/Thomson Learning, 2007.

Articles in Peer-reviewed Publications

Colby S, Sparks A, Thompson D, Overstreet B, Monroe C, Appelo S, **Hansen-Petrik M**, Kavanagh K. Low protein intake among college males is associated with increased BMI. *Top Clin Nutr.* 2018;33(3):219-226.

Habibi MF, Springer CM, Spence ML, **Hansen-Petrik MB**, Kavanagh KF. Use of videoconferencing for lactation consultation: an online cross-sectional survey of mother's acceptance in the United States. *J Hum Lact.* 2018;34(2):313-321.

Hansen-Petrik M. Invited review of: Nourishing Healthy Preschoolers. A Guide to MyPlate Nutrition. DVD. Learning Seed, Suite 301, 641 W. Lake St., Chicago, IL 60661. 27 min. \$109. *J Nutr Educ Behav.* 2013;45:94.e1.

Childers N, **Hansen-Petrik M.** Diabulimia in adolescent females. *BHNewsletter.* Behavioral Health Nutrition Dietetic Practice Group of the Academy of Nutrition and Dietetics. 2012;Summer:1-5.

Hansen-Petrik M. Invited review of: Nutrition: What Every Parent Needs to Know, 2e; Dietz, W, Stern, L; 2011; American Academy of Pediatrics, 141 Northwest Point Blvd, Elk Grove Village, IL 60007-1019, Softcover book, pp. 360;\$14.95; ISBN: 978-1-58110-321-2. *J Nutr Educ Behav.* 2012;44:194.e3.

Wortman P, Miyazaki Y, Kalupahana NS, Kim S, **Hansen-Petrik M**, Saxton AM, Claycombe KJ, Voy BH, Whelan J, Moustaid-Moussa N. n3 and n6 polyunsaturated fatty acids differentially modulate prostaglandin E secretion but not markers of lipogenesis in adipocytes. *Nutr Metab.* 2009;6:5.

Whelan J, **Hansen Petrik MB**, McEntee MF, Obukowicz MG. Dietary EPA reduces tumor load in *Apc^{Min/+}* mice by altering arachidonic acid metabolism, but conjugated linoleic acid, gamma- and alpha-linolenic acids have no effect. *Adv Exp Med Biol.* 2002;507: 579-584.

Hansen-Petrik MB, McEntee MF, Johnson BT, Obukowicz MG, Masferrer J, Zweifel B, Chiu C-H, Whelan J. Selective inhibition of Δ -6 desaturase impedes *Apc*-mediated tumorigenesis. *Cancer Lett.* 2002; 175: 157-163.

Hansen-Petrik MB, McEntee MF, Jull B, Whelan J. Prostaglandin E₂ protects intestinal tumors from nonsteroidal anti-inflammatory drug-induced regression in *Apc^{Min/+}* mice. *Cancer Res.* 2002; 62: 403-408.

Hansen Petrik MB, McEntee MF, Johnson BT, Obukowicz MG, Whelan J. Highly unsaturated (n-3) fatty acids, but not α -linolenic, conjugated linoleic or γ -linolenic acid, reduce tumorigenesis in *Apc^{Min/+}* mice. *J Nutr.* 2000; 130: 2434-2443.

Hansen Petrik MB, McEntee MF, Chiu CH, Whelan J. Antagonism of arachidonic acid is linked to the anti-tumorigenic effect of dietary eicosapentaenoic acid in *Apc^{Min/+}* mice. *J Nutr.* 2000; 130: 1153-1158.

Selected Professional Presentations

Oral Presentations

Hansen-Petrik M. Looking Ahead: The Future of Nutrition and Dietetics Education. NED (Nutrition Education Discourse) Talk sponsored by the University of Tennessee Graduate Nutrition Student Association, Knoxville, TN. November 7, 2019.

Hansen-Petrik M. The Future of Dietetics Education. Morrison Healthcare Elsey Region Nutrition Extravaganza, University of Tennessee Medical Center, Knoxville, TN. April 17, 2019.

Habibi MF, Springer CM, Spence ML, **Hansen-Petrik MB**, Fouts HN, Kavanagh KF. Using Videoconferencing for Lactation Consultation: An Online Survey of Acceptance among a Sample of Fathers/Maternal Partners in the United States. American Public Health Association Conference; Chicago, IL. November 2, 2015.

Hansen-Petrik MB. Children in the Child Care Setting: What are they eating? Guidelines, Regulations, and Reality. Invited speaker, Promoting Healthy Weight Colloquium, Department of Nutrition, Knoxville, TN. Colloquium supported by the U.S. Maternal and Child Health Bureau Public Health Nutrition Training Grant. September 24, 2010.

Hansen-Petrik MB, Brooke L. Nutrigenomics and the Practice of Dietetics, invited speaker, Knoxville District Dietetic Association, Knoxville, TN, April 2008.

Hansen-Petrik MB, Irwin KJ. The Role of Diet in Management of Epilepsy, invited speaker, Knoxville District Dietetic Association, Knoxville, TN, February 2007.

Hansen-Petrik MB. Dietary Reference Intakes: Interpretation and Application, invited speaker, Knoxville District Dietetic Association, Knoxville, TN, January 2003.

Hansen Petrik MB, McEntee MF, Johnson B, Whelan J. Dietary n-3 polyunsaturated fatty acids reduce intestinal tumors *in vivo* by antagonizing arachidonate. *Experimental Biology*, San Diego, CA, April 2000.

Hansen Petrik MB, McEntee MF, Johnson B, Whelan J. Dietary conjugated linoleic acid and γ -linolenic acid fail to reduce intestinal tumor in *Apc^{Min/+}* mice. *Experimental Biology*, San Diego, CA, April 2000.

Shahnaz S, **Hansen Petrik M**, McEntee MF, Johnson B, Whelan J. Effects of butyrate on intestinal tumorigenesis using *in vivo* and *in vitro* models with *Apc* gene defects. *Experimental Biology*, San Diego, CA, April 2000.

Hansen Petrik M, McEntee MF, Johnson B, Chiu CH, Whelan J. Alterations in arachidonic acid metabolism linked to anti-tumorigenic effect of dietary omega-3 fatty acids in *Apc^{Min/+}* mice. Southeastern Regional Lipid Conference, Cashiers, NC, November 1999.

Hansen Petrik M, McEntee MF, Chiu CH, Johnson B, Whelan J. Omega-3 fatty acids reduce intestinal tumors in mice with a defect in the *Apc* gene. American Dietetic Association, Atlanta, GA, October 1999.

Hansen Petrik M, McEntee MF, Chiu CH, Whelan J. Arachidonic acid antagonism linked to anti-tumorigenic effect of dietary eicosapentaenoic acid in *Apc^{Min/+}* mice. Experimental Biology, Washington, DC, April 1999.

Hansen Petrik M, McEntee MF, Chiu CH, Whelan J. Anti-tumorigenic effect of dietary eicosapentaenoic acid is linked to reduced tissue arachidonic acid content in Min mice. Southeastern Regional Lipid Conference, Cashiers, NC, November 1998.

Poster Presentations

McIver K, Anderson Steeves E, Colby S, **Hansen-Petrik M**. Associations between child feeding practices and child dietary intake among families in low-income, rural communities in Appalachian East Tennessee. American Public Health Association Annual Meeting and Expo, Philadelphia, PA, November 2019.

Higgins K, Hooper S, Spence M, Kavanagh K, **Hansen-Petrik M**. Maternal interactions with young children and perceptions of play with toy foods may vary by maternal feeding style. Academy of Nutrition and Dietetics Food and Nutrition Conference and Expo, Nashville, TN, October 2015.

Habibi MF, Springer CM, Spence ML, **Hansen-Petrik MB**, Fouts HN, Kavanagh KF. Using Videoconferencing for Lactation Consultation: An Online Survey of Acceptance among a Sample of Mothers in the United States. Experimental Biology Conference. March 29, 2015. Boston, MA.

Waters J, **Hansen-Petrik M**. Home play food availability and children's food preferences. Society for Nutrition Education, Kansas City, KS, July 2011.

Lucas L, **Hansen-Petrik M**. Representation of the meat and beans food group in children's play foods. Tennessee Dietetic Association, Nashville, TN, March 2011.

White S, **Hansen-Petrik M**, Durham RS. Nutrition knowledge and child care feeding practices of early childhood education students: A preliminary study. Tennessee Dietetic Association, Nashville, TN, March 2011. *Awarded Second Place Student Research Poster.*

Brown KR, **Hansen-Petrik MB**. Whole grain representation in children's play food. Tennessee Dietetic Association, Knoxville, TN, April 2010. *Awarded Second Place Community Nutrition Poster.*

Hobing AC. Nutrition education for pre-adolescent girls: Girls on the Run – Knoxville. Tennessee Dietetic Association, Knoxville, TN, April 2010. (Role: Faculty advisor) *Awarded Best Community Nutrition Poster.*

Flanagan G, **Hansen-Petrik MB**. Play foods in the marketplace: What health messages are toy retailers sending to children? Experimental Biology, New Orleans, LA, April 2009.

Dukes AL, **Hansen-Petrik MB**. Acceptance of vegetarian entrees by preschoolers is related to food neophobia and prior vegetable exposure. Tennessee Dietetic Association, Nashville, TN, March 2009. *Awarded Best Foodservice Management Poster.*

Flanagan G, **Hansen-Petrik M**. Playing with vegetables: Toy retailers fall short of color guidelines. Tennessee Dietetic Association, Nashville, TN, March 2009.

Howley CK, **Hansen-Petrik MB**. Discretionary foods are represented more positively than fruits and vegetables in a sample of preschool picture books. Tennessee Dietetic Association, Nashville, TN, March 2009.

Irwin KJ, **Hansen-Petrik MB**, Truett G, Miller CA. A nutritionally adequate ketogenic diet and calorie-restricted diets consistent in protein and micronutrient content reduces seizures in EL/Suz mice. The International Symposium on Dietary Therapies for Epilepsy and Other Neurological Disorders, Phoenix, AZ, April 2008.

Irwin KJ, Miller CA, **Hansen-Petrik MB**. The ketogenic diet as a treatment for seizures associated with Angelman Syndrome. The International Symposium on Dietary Therapies for Epilepsy and Other Neurological Disorders, Phoenix, AZ, April 2008.

Hansen-Petrik M, Tucker AP, Nodell HA. The influence of play fruits and vegetables on fruit and vegetable intake among toddlers. Experimental Biology, Washington, DC, April 2007.

Anderson B, **Hansen-Petrik M**. An examination of the education, qualifications, and functions of school foodservice directors in Tennessee Public Schools. Tennessee Dietetic Association, Nashville, TN, March 2006.

Irwin KJ, **Hansen-Petrik M**, Truett GE. Alterations in gene expression profiles in epileptic mouse brain following ketogenic diet treatment. Tennessee Dietetic Association, Nashville, TN, March 2006. *Awarded Best Medical Nutrition Therapy Poster.*

Duhl AP, Nodell H, **Hansen-Petrik M**. The influence of play food on real food preferences in the childcare setting. Tennessee Dietetic Association, Nashville, TN, March 2006. *Awarded Best Community Nutrition Poster.*

Hansen-Petrik M. Enhancing the undergraduate curriculum to expand enrollment and prepare for the diverse needs of dietetics professionals of the future. American Dietetic Association, St. Louis, MO, October 2005.

Whelan J, McEntee MF, **Hansen-Petrik M**. PGE₂ mediates intestinal tumorigenesis *in vivo*. Experimental Biology, New Orleans, LA, April 2002.

Hansen-Petrik M, McEntee MF, Obukowicz M, Johnson B, Chiu CH, Whelan J. Dietary omega-3 fatty acids, the arachidonic acid cascade and intestinal tumorigenesis. Molecular and Biological Aspects of Omega-3 Fatty Acids and Cancer, Breckenridge, CO, June 2001.

Hansen Petrik M, McEntee MF, Chiu CH, Whelan J. Dietary arachidonic acid eliminates the anti-tumor effect of eicosapentaenoic acid in Min/+ mice. 8th Annual Research Conference, American Institute for Cancer Research, Washington, DC, September 1998.

Hansen Petrik M, Havrila C, Stasios M. Revising the enteral formulary to optimize nutritional care at minimum cost. American Dietetic Association, Chicago, IL, October 1995.

Clark L, Stasios M, **Hansen Petrik M**. Developing a guide for physicians to increase awareness of nutritional services and improve nutritional care. American Dietetic Association, Chicago, IL, October 1995.

Hansen MB, Krenitsky JS. Energy expenditure of critically-ill subjects: Use of predictive equations vs. indirect calorimetry. American Dietetic Association, Washington, DC, October 1992.

Teaching Experience

<u>University of Tennessee</u>	<u>Course Title (brief descriptions follow)</u>
Fall 2020	NUTR 330 Foodservice Management Practicum <i>Hands-on experience rotating through various positions in a largescale foodservice operation.</i>
Fall 2004-present	NUTR 415 Clinical Nutrition I <i>Nutritional genomics in practice; obesity, diabetes, cardiovascular disease, and cancer risk factors, prevention, pathophysiology, treatment, and evidence-based nutrition intervention.</i>
Fall 2001-present	NUTR 416 Clinical Nutrition II <i>Introduction to methods and calculations in nutrition support. Diagnosis, pathophysiology, management, evidence-based guidelines for nutrition intervention, and case scenario discussion of diseases and disorders including those of the GI tract, liver and biliary system, exocrine pancreas, neurological diseases and disorders, pulmonary disease.</i>
Fall 2016-Spring 2019	NUTR 450 Special Topics <i>Clinical Nutrition Practicum I and II elective experiential learning courses to accompany Clinical Nutrition I and II.</i>
Spring 2013-Spring 2017	NUTR 545 Research Methods II <i>Ethics and compliance, scientific grant writing, and critical evaluation of current nutrition literature.</i>
Spring 2011, 2012	NUTR 420 Interpreting Current Nutrition Research <i>Scientific method, study design, data interpretation, and critical evaluation of current nutrition literature.</i>
Spring 2011, 2012	NUTR 423 Nutrition Counseling Application <i>Skill development in dietary data collection and analysis, interviewing and counseling techniques through application of these skills within a classroom setting.</i>

Spring 2002-2004, 2010	NUTR 541 Research Methods <i>Basic principles of planning, conducting, and interpreting nutrition research with emphasis on critical evaluation of the literature in all areas of nutrition.</i>
Spring 2004-2005	NUTR 302 Life Span Nutrition <i>Physiological development and psychosocial factors that influence nutrient needs and nutrition behaviors of individuals across the life span.</i>
Spring 2005	NUTR 516 Maternal and Child Nutrition, Toddler and Preschooler Component <i>Nutrition principles related to growth and development with emphasis on current issues and research.</i>
Fall 2001-2004	NUTR 201 Careers in Nutrition <i>Overview of nutrition-related careers featuring guest speakers in various areas of nutrition practice.</i>
Fall 2001-2004	NUTR 410 Professional Issues in Dietetics <i>Overview of dietetic registration and licensure, factors influencing contemporary dietetics practice, public policy in dietetics.</i>
Fall 1996-Spring 2003	NUTR 300 Fundamentals of Nutrition <i>Nutrition during normal and altered health states during the life cycle. An advanced level introductory nutrition course for nursing majors.</i>
Fall 1998	NUTR 100 Introduction to Nutrition (Discussion section leader) <i>Nutritional science and application concepts, consumer issues, nutrition needs throughout the lifecycle.</i>

Mentoring of Graduate and Undergraduate Students

Faculty Advisor and Chair of Master's Committees

Miranda Huston, dual master's student in Public Health Nutrition-MPH

Fall 2010-Fall 2014

Block field placement: *Crabtree Farms, Chattanooga, TN*

Master's Committee: **Melissa Hansen-Petrik** (chair), Marsha Spence, Kathy Brown

Kori Higgins, master's student in Public Health Nutrition

Fall 2011-Fall 2013

Thesis: *Playing with food: Maternal perceptions of play food's role in development of preschoolers*

Block field placement: *North Texas Food Bank*

Master's Committee: **Melissa Hansen-Petrik** (chair), Marsha Spence, Katie Kavanagh

Amanda Arthur, master's student in Public Health Nutrition

Fall 2010-Summer 2012

Block field placement: *Division of Food and Nutrition Services, Montgomery County, Maryland, Public Schools and Department of Recreation*

Master's Committee: **Melissa Hansen-Petrik** (chair), Hollie Raynor, Charles Hamilton

Hannah Auberg, master's student in Public Health Nutrition
Fall 2010-Summer 2012

Block field placement: *Iowa Department of Public Health Bureau of Nutrition and Health Promotion*
Master's Committee: **Melissa Hansen-Petrik** (chair), Hollie Raynor, Charles Hamilton

Jenna Waters, master's student in Nutrition Science
Fall 2009-Fall 2011

Thesis: *Describing home play food availability among preschoolers within a nutritional context: Relationships with gender, food preferences, food neophobia, and maternal feeding styles.*

Master's Committee: **Melissa Hansen-Petrik** (chair), Katie Kavanagh, Dawn Coe

Sarah White, master's student in Nutrition Science
Fall 2009-Summer 2011

Thesis: *Nutrition knowledge and child care feeding practices of early childhood education students: A preliminary study*

Master's Committee: **Melissa Hansen-Petrik** (chair), Katie Kavanagh, R. Sean Durham

Michael W. Lundy, master's student in Nutrition Science
Fall 2005-Spring 2011

Culminating experience: *Efficacy of lifestyle change in the treatment of obesity* (technical paper and in-depth study in exercise science)

Master's Committee: **Melissa Hansen-Petrik** (chair), Betsy Haughton, David Bassett

Alice Hobing, master's student in Nutrition Science
Spring 2009-Summer 2010

Culminating experience: *Refining the nutrition curriculum and resources for Girls on the Run* (service project)

Master's Committee: **Melissa Hansen-Petrik** (chair), Hollie Raynor, Katie Kavanagh

Kerri Brown, master's student in Nutrition Science
Fall 2006-Spring 2010

Culminating experience: *Play food in the online marketplace: Depiction of whole grains*

Master's Committee: **Melissa Hansen-Petrik** (chair), Katie Kavanagh, Michael Zemel

Gerard Flanagan, master's student in Nutrition Science
Fall 2007-Fall 2009

Culminating experience: *Play food in the online marketplace: Depiction of vegetables*

Master's Committee: **Melissa Hansen-Petrik** (chair), Hollie Raynor, Katie Kavanagh

C. Kristi Howley, master's student in Nutrition Science
Spring 2008-Summer 2009

Culminating experience: *Nutrition messages in preschool books*

Master's Committee: **Melissa Hansen-Petrik** (chair), Jung Han Kim, Katie Kavanagh-Prochaska

Alexa Parris Dukes, master's student in Nutrition Science
Fall 2007-Summer 2009

Culminating experience: *Acceptance of healthy items on a preschool menu.*

Master's Committee: **Melissa Hansen-Petrik** (chair), Jung Han Kim, Katie Kavanagh-Prochaska

Kathy J. Irwin, master's student in Nutrition Science
Summer 2005-Spring 2009

Thesis project: *A nutritionally adequate ketogenic diet and calorie-restricted diets consistent in protein and micronutrient content reduce seizures in EL/Suz mice.*

Thesis Committee: **Melissa Hansen-Petrik** (chair), Jung Han Kim, Lisa Jahns

Betsy Anderson, master's student in Public Health Nutrition
Spring 2006-Summer 2007

Thesis project: *An examination of the education, credentials, and functions of school foodservice directors in Tennessee Public School Districts* (Completed in cooperation with the Tennessee Dietetic Association Child Nutrition Task Force)

Thesis Committee: **Melissa Hansen-Petrik** (chair), Lisa Jahns, Carol Costello

Member of Doctoral Committees

Katie Bower, doctoral student in Community Nutrition
Spring 2011-2016

Dissertation: *Development, implementation and evaluation of a pilot intervention: Promoting breastmilk expression in a NICU setting using a mixed-methods approach.*

Doctoral Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Hillary Fouts, Marsha Spence, Jay Whelan

Mona Habibi, doctoral student in Community Nutrition
Fall 2010-Summer 2015

Dissertation: *Using Skype for breastfeeding consultation*

Doctoral Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Marsha Spence, Hillary Fouts, Jay Whelan

Zixin Lou, doctoral student in Community Nutrition
Spring 2011-Summer 2013

Dissertation: *Comparison of breastfeeding attitudes in Chinese and American university students*

Doctoral Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Marsha Spence, John Orme

Member of Master's Committees

Grace Hawkins

Spring 2019-Summer 2020

Thesis: *Social rhythms and health outcomes in young adults*

Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Kelley Strohacker

Jessica Dietrich

Fall 2017-Spring 2019

Thesis: *Assessing Eating Disorder Signs and Associated Personalities in an Adolescent Sample*

Master's Committee: Sarah Colby (chair), **Melissa Hansen-Petrik**, Elizabeth Anderson Steeves

Kaela McIver

Fall 2017-Summer 2020

Thesis: *Associations Between Child Feeding Practices and Child Dietary Outcomes Among Families in Low-Income, Rural Counties in Appalachian East Tennessee*

Master's Committee: Elizabeth Anderson Steeves (chair), **Melissa Hansen-Petrik**, Sarah Colby

Kelsey Parkman
Fall 2015-Summer 2018
Culminating experience: *Block field experience and technical paper*
Master's Committee: Sarah Colby (chair), **Melissa Hansen-Petrik**, Kathy Brown

Shanthi Appelö
Fall 2014-2016
Culminating experience: *Block field experience and technical paper*
Master's Committee: Sarah Colby (chair), **Melissa Hansen-Petrik**, Kathy Brown

Rachel Rosenthal
Fall 2014-2016
Thesis: *The effect of television watching and portion size on intake during a meal.*
Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Sarah Colby

Seletha Poole
Spring 2015-Summer 2015
Thesis: *The effect of perceived healthy and unhealthy food commercials on intake of perceived healthy and unhealthy snack foods in normal weight, college-aged, dietary restrained women*
Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Marsha Spence

Yijia Zhang
Spring 2014-Fall 2014
Thesis: *The impact of social support in an internet-based weight loss intervention among college students.*
Master's Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Laura Miller

Amanda Sobhani
Spring 2014-Spring 2015
Thesis: *Do increases in fruit intake lead to substitutive eating patterns and overall energy intake decreases in normal weight adults?*
Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Sarah Colby

MarLea Teeple Finch
Spring 2014-Summer 2015
Culminating experience: *Block field experience and technical paper*
Master's Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Kathy Brown

Amber Donaldson Ford
Summer 2013-Fall 2015
Thesis: *Cooking self-efficacy, skills, and behaviors of youth and associations with dietary quality, family meal frequency, and BMI: a pre-intervention analysis of iCook-4H participants.*
Master's Committee: Sarah Colby (chair), **Melissa Hansen-Petrik**, Katie Kavanagh

Rebecca Graves Ellison
Spring 2013-Summer 2015
Thesis: *Testing infant formula preparation nutrition education messages in an online setting: a randomized-controlled trial.*
Master's Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Marsha Spence

Vaishali Keshani

Spring 2013-Summer 2014

Thesis: *Relationship Between Dietary Choices Made during a Low-Calorie, Low-fat Diet and Changes in Caloric Intake, Caloric Intake from Fat, and Weight Loss.*

Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Lauren Gellar

Erin Norton

Spring 2013-Summer 2014

Thesis: *Impact of portion size of fruit juice on fruit juice consumption and overall energy intake during a snack in preschoolers*

Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Hillary Fouts

Amy Sparks

Spring 2013-Summer 2014

Thesis: *Protein intake of physically active college males and their sources of information.*

Master's Committee: Sarah Colby (chair), **Melissa Hansen-Petrik**, Katie Kavanagh

Mary Pate-Bennett

Fall 2012-Summer 2013

Thesis: *Representation of Infant-feeding in MTV's 16 & Pregnant: What is the message being sent to viewers?*

Master's Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Marsha Spence

Renee Stancliffe

Spring 2012-Fall 2012

Thesis: *Role of β -hydroxy- β -methylbutyrate (HMB) in leucine stimulation of muscle mitochondrial biogenesis and fatty acid oxidation*

Master's Committee: Michael Zemel (chair), **Melissa Hansen-Petrik**, Ling Zhao

Chrystal Haire

Spring 2011-Spring 2012

Thesis: *Package size of snack foods and energy intake in young adults*

Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Michael Zemel

Chelsi Cardoso

Spring 2011-Fall 2012

Thesis: *Snack order and dietary variety in preschoolers*

Master's Committee: Hollie Raynor (chair), **Melissa Hansen-Petrik**, Michael Zemel

Ciara Csanadi, master's student in Nutrition Science

Spring 2010-Spring 2012

Thesis: *Effects of leucine on fatty acid oxidation in chronically active and sedentary overweight males*

Master's Committee: Michael Zemel (chair), **Melissa Hansen-Petrik**, Dixie Thompson

Lacey Raburn, master's student in Nutrition Science

Fall 2009-Fall 2011

Thesis: *Voices of low SES women overcoming breastfeeding barriers: A qualitative analysis and model development*

Master's Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Hillary Fouts

Karen Lacey, master's student in Public Health Nutrition
Spring 2009-Summer 2010

Culminating experience: *Block field experience with WIC program*

Master's Committee: Katie Kavanagh (chair), **Melissa Hansen-Petrik**, Charles Hamilton

Stephanie Fletcher Tait, master's student in Public Health Nutrition

Fall 2007-Summer 2009

Thesis project: *Breastfeeding mothers of WIC infants in Eastern Tennessee: factors influencing initiation and duration.*

Master's Committee: Katie Kavanagh-Prochaska (chair), **Melissa Hansen-Petrik**, Hillary Fouts

Diane Krause, master's student in Public Health Nutrition

Spring 2007-Spring 2009

Thesis project: *Content validation of an organizational cultural competence model for a health-related post-secondary academic department.*

Master's Committee: Betsy Haughton (chair), **Melissa Hansen-Petrik**, Katie Kavanagh-Prochaska

Lanier Thompson, master's student in Public Health Nutrition

Spring 2007-Spring 2008

Culminating experience: *Nutrition curriculum development for Hispanic women with gestational diabetes mellitus receiving care through a birthing center.*

Master's Committee: Katie Kavanagh-Prochaska (chair), **Melissa Hansen-Petrik**, Gary Truett

Weichao Ye, master's student in Nutrition Science

Fall 2007-Spring 2008

Culminating experience: *Review of insulin resistance and caloric restriction.*

Master's Committee: Jung Han Kim (chair), **Melissa Hansen-Petrik**, Naima Moustaid Moussa

Sonja Cooke, master's student in Public Health Nutrition

Spring 2006-Summer 2007

Culminating experience: *Block field experience*

Master's Committee: Betsy Haughton (chair), **Melissa Hansen-Petrik**, Charles Hamilton

Carie Swibas, master's student in Nutrition Science

Fall 2005-Spring 2007

Culminating Experience: *Sports nutrition project with UT Athletic Department*

Master's Committee: Gary E. Truett (chair), **Melissa Hansen-Petrik**, David Bassett

Independent Research and Creative Projects with Undergraduate Students

Nancy Childers, senior in Nutrition

Fall 2011-Spring 2012

Project: *Development and evaluation of an online nutrition education module on celiac disease for elementary school educators* (Senior Honors Thesis Project in cooperation with Sandy Altizer of GI for Kids and Knox County Schools). Award winner, The College of Education, Health, and Human Sciences, at the 2012 UT Exhibition of Undergraduate Research and Creative Achievement (EURēCA), March 2012.

Lindsay Lucas, senior in Nutrition
Spring 2011

Project: *Representation of the meat and beans food group in children's play foods*. Presented at the 2011 UT Exhibition of Undergraduate Research and Creative Achievement (EURēCA), April 2011, and Tennessee Dietetic Association annual meeting, March 2011.

Ashley Ozier and Michelle Zitt, seniors in Nutrition
Fall 2008-Spring 2009

Project: *Development of a survey instrument to assess parental attitudes toward play foods*. Presented at the 2009 UT Exhibition of Undergraduate Research and Creative Achievement (EURēCA), April 2009.

Ciara Csanadi, senior in Nutrition
Fall 2007-Spring 2008

Project: *Development of educational materials and BMI/PTH analysis in a renal dialysis population*. In conjunction with Pat Handley, RD.

Abagale Reddy, senior in Nutrition
Summer 2007

Project: *The effect of a ketogenic diet and calorie restriction on serum glucose and ketone levels in mice*. Awarded UT Summer Research Internship by the Chancellor's Office. Winner of the William Franklin Harris Undergraduate Research Award at the UT Exhibition of Undergraduate Research and Creative Achievement, March 2008.

Cheryl Cantrell, senior in Nutrition
Spring 2007

Project: *Do preschool menus follow the Dietary Guidelines for Americans? A pilot study* (Senior Honors Project). Presented at the 2007 UT Exhibition of Undergraduate Research and Creative Achievement, March 2007.

C. Kristi Howley, Katherine Teague, and E. Gordon Reynolds, seniors in Nutrition
Fall 2006-Spring 2007

Project: *Food intake, body weight, and seizure susceptibility in EL epileptic mice fed a purified AIN93G diet*. Award winner, The College of Education, Health, and Human Sciences, at the 2007 UT Exhibition of Undergraduate Research and Creative Achievement, March 2007.

Karin Adler, senior in Nutrition
Fall 2006

Project: *Celiac Disease: What Doctors and Patients Need to Know*. Presented at the 2007 UT Exhibition of Undergraduate Research and Creative Achievement, March 2007.

A. Paige Duhl and Haley Nodell, seniors in Nutrition
Fall 2005-Spring 2006

Project: *The influence of play food on real food preferences in the childcare setting* (In cooperation with The University of Tennessee Early Learning Center for Research and Practice and Small World Toys, Inc., Culver City, CA). First place winner, The College of Education, Health, and Human Sciences, at the 2006 UT Exhibition of Undergraduate Research and Creative Achievement, March 2006.

A. Paige Duhl and Sara Bliss, seniors in Nutrition

Fall 2005-Spring 2006

Project: *Your Baby and You: Nutrition for Two* (Senior Honors Project benefiting the Lisa Ross Birth and Women's Center, Knoxville, TN)

Kathy J. Irwin, senior in Nutrition

Spring 2004-Spring 2005

Project: *Implementation of the ketogenic diet as treatment for intractable epilepsy in children*

Professional Memberships

1988-present Academy of Nutrition and Dietetics (formerly American Dietetic Association)
Abstract reviewer, Food & Nutrition Conference & Expo (2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020)
Session moderator, Food & Nutrition Conference & Expo (2015)
Member, Nutrition and Dietetic Educators and Preceptors, 2002-present
Roundtable discussion leader on the Future Education Model, NDEP Central Region Conference, Birmingham, AL, March 2-3, 2020

Dietetic Practice Groups:

Dietitians in Integrative and Functional Medicine, 2015-present

Pediatric Nutrition Practice Group, 2010-2014

Dietitians in Nutrition Support, 1993-1997

Nutrition Research, 1993-1995

Tennessee Academy of Nutrition and Dietetics, 1996-present

Child Nutrition Task Force member, past

Poster Session judge, TDA Annual Meeting, April 2003

Knoxville Academy of Nutrition and Dietetics, 1997-present:

Nominating Committee Chair, 2013-2014

Nominating Committee Chair Elect, 2012-2013

Nominating Committee Chair, 2009-2010

Nominating Committee Chair Elect, 2008-2009

Career Guidance Chair, 2005-2008, 2011-2012

Legislative liaison to State Representative Joe Armstrong, 2002-2005

Ask-A-Dietitian column contributor, 2000-2005

North Carolina Dietetic Association, 1992-1996

Recognized Young Dietitian of the Year Selection Committee, 1996

NCDA Nutrition Care Manual reviewer, 1995

Coastal Carolina Dietetic Association, 1992-1996:

President-elect 1995-1996

- 2005-2016 American Society for Nutrition
Research Interest Sections:
Nutrition Education, 2005-2016
Student Research Award abstract reviewer, EB 2010
- 2009-2014 Society for Nutrition Education and Behavior
Special Interest Divisions:
Nutrition Education for Children, 2009-2014
Higher Education, 2010-2014
Public Health Nutrition, 2010-2014
- 2005-2008 American Epilepsy Society
- 1994-1997 American Society for Parenteral and Enteral Nutrition
Clinical Congress reporter, 1996
Certified Nutrition Support Dietitian exam question contributor, 1996

Professional Activities

Service to the Department of Nutrition, the College of Education, Health, and Human Sciences, and the University of Tennessee

- 2020-present Director, Future Education Model Graduate Program
- Beginning January 2017, led development of innovative five-year curriculum proposal to transition existing dietetic internship into a seamless competency based program in cooperation with three other faculty members. Curriculum approval attained through the University during 2017-2018 academic year.
 - Attained demonstration program status through a competitive application process to the Accreditation Council for Education in Nutrition and Dietetics (ACEND) June 2018. Completed initial training August 2018.
 - Currently coordinating development and implementation of program courses including supervised experiential learning components, following curriculum and course approval by the University in 2018 and 2019. Phased implementation began during the 2019-2020 academic year with full implementation of the revised curriculum and all new courses on track for 2021-2022.
 - Led successful searches for two new FEM clinical faculty members in 2019 and 2020.
 - Prepared and submitted detailed reorganization report to ACEND in 2020 and attained full accreditation in September 2020.
 - Developed website content and dietetics program handbook.
 - Led application and interview process for first cohort applying to M.S. in Clinical Nutrition and Dietetics in Fall 2020.
 - Conduct marketing and outreach for recruitment.
 - Simulation Education in Healthcare course, simulation case development, and debriefing training through the College of Nursing (in process 2020).

- 2004-present Chairperson, Department of Nutrition Undergraduate Committee
- Serve in role of undergraduate program coordinator by leading efforts related to ongoing curricular changes including ACEND accreditation requirements, general education requirements, and the nutrition minor. Monitor accreditation requirements and market demands to maintain a dynamic and relevant curriculum.
 - Generate recommendations for student honors and awards.
 - Serve as departmental liaison with CEHHS Student Services and as a resource for departmental faculty regarding curriculum and advising issues.
 - Provide input and content for the Academic Program Review process related to the undergraduate program.
 - Promote research opportunities to students and encourage participation in the annual Exhibition of Undergraduate Research and Creative Achievement (EURēCA), resulting in several award winners across the department.
- 2002-2020 Director, Didactic Program in Dietetics
- Successfully led program to initial accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) in 2008 followed by successful 2017 accreditation self-study and site visit with ratings of “exemplary” on all aspects of self-study, all standards met.
 - Worked in close coordination with Dietetic Internship Director and another faculty member to develop curriculum and assessment measures for the Dietetic Internship Program for implementation in 2018.
 - Prepare and maintain required documentation and monitoring including verification statements, annual reports, applications for Nutrition and Dietetics Technician, Registered (NDTR) examination eligibility, RDN exam results, program quality monitoring
 - Responsible for maintaining updated program policies and procedures
 - Counsel prospective undergraduate students and returning students on program and careers in nutrition
 - Counsel upper division nutrition students on the supervised practice (dietetic internship) selection, application, and interview process and identify experiential opportunities to enhance success
 - Provide website content on the undergraduate program
 - Maintain database of program graduates 1999-present
 - Conduct one- and five-year surveys of program graduates and use feedback to enhance program quality
 - Conduct surveys of supervised practice program directors of graduates and use feedback to enhance program quality
 - Served on advisory panel for the Didactic Program in Dietetics at UT-Chattanooga (through 2019, program transitioning to FEM Graduate)
- 2003-present Faculty Advisor, Undergraduate Nutrition Student Association
- Work with association leaders to find leadership and volunteer opportunities for students preparing for careers in nutrition

- Coordinated annual dietetic internship forum 2005-2019 with association leadership to bring in 15+ internship directors and DPD students from across the Southeast

2009-present Member, Scholarships Committee, College of Education, Health, and Human Sciences

- Review annual undergraduate and graduate scholarship applications for the Department of Nutrition and provide recommendations for resource allocation at the college level.

2012-present Member, Departmental SACSCOC Accreditation Committee (chair 2014-present)

- Lead selection and ongoing review of departmental outcomes criteria for programs at the bachelor's, master's and doctoral levels.
- Lead annual collection of outcomes data and preparation of annual departmental report and submit for college review.
- Departmental reports rated at satisfactory or advanced level by the Office of Institutional Research and Assessment.

2012-present Member, Departmental Strategic Planning: Communications Committee

2001-2020 Dietetic Internship Selection and Advisory Committee

2019 Peer review committees for two faculty members

2014 Peer review committees for two faculty members

2011 Member, CEHHS Strategic Planning Committee for Priority 4: "Attract, develop and graduate a diverse body of undergraduate students who will become productive contributors to their professions."

2008-2010 Member, Expert Panel to evaluate instruments for assessment of a healthy eating and physical activity program for the pre-K population, *Healthy Steps* program, University of Tennessee Extension.

2007-2008 Department Representative, CEHHS Honors Program Exploratory Committee, College of Education, Health, and Human Sciences

2003 College of Education, Health, and Human Sciences UT Alumni Outstanding Teacher Award nominating committee

Other professional service activities

2020 External reviewer, Promotion Committee, Department of Nutritional Sciences, University of Texas at Austin

External reviewer, Promotion Committee, Department of Dietetics and Human Nutrition, University of Kentucky

External reviewer, Promotion and Tenure Unit, College of Family and Consumer Sciences, University of Georgia

2018 External reviewer, Tenure and Promotion Committee, University of Memphis School of Health Studies

Service to New Hanover Regional Medical Center

1994-1996 Coordinator, 12-week Clinical Practicum for UNC-Chapel Hill MPH students

1994-1996 Coordinator, Journal Club for clinical nutrition staff

1995-1996 Critical Care Committee

1995-1996 Stroke Critical Pathway Development Team

1995-1996 Self-directed work group to implement JCAHO interdisciplinary requirements

Invited Reviewer

2011-present Journal of Nutrition Education and Behavior

2006-2008 Medical Nutrition Therapy: A Case Study Approach, 3rd ed., Marcia Nahikian-Nelms, Sara Long, eds. Belmont, CA: Wadsworth/Thomson Learning, 2009.

2001, 2015 Nutrition and Cancer

References

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