

CURRICULUM VITAE

University of Idaho

NAME: Yimin Chen

DATE: December 5, 2024

RANK OR TITLE: Assistant Professor

DEPARTMENT: Margaret Ritchie School of Family and Consumer Sciences

OFFICE LOCATION AND CAMPUS ZIP:

875 Perimeter Drive MS 3183 | Moscow ID 83844-3183
Niccolls Building 108 C

EMAIL: yiminc@uidaho.edu

DATE OF FIRST EMPLOYMENT AT UI: August 19, 2019

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE: August 19, 2019

EDUCATION/TRAINING BEYOND HIGH SCHOOL:

Degrees:

PhD, University of Illinois at Chicago, Chicago, IL, 2017, Kinesiology, Nutrition, and Rehabilitation

MS, Rush University, Chicago, IL, 2005, Clinical Nutrition

Dietetic Internship, Rush University, Chicago, IL, 2003, Clinical Nutrition

BS, Loyola University of Chicago, Chicago, IL, 2001, Food and Nutrition

Certificates and Licenses:

Certified Nutrition Support Dietitian/Clinician (CNSD/C)	2005, 2010, 2015
Licensed Dietitian Nutritionist, Illinois	2003 – 2019
License No. 164.004012	
Registered Dietitian	2003 – Current
Registration No. 917549	

Professional/Research Development:

University of Idaho Research Leadership Development	2022
University of Idaho Professional Development in Scientific Writing Excellence	2021
University of Idaho Proposal Development Academy	2020
Institute of Translational Health Sciences (ITHS) KL2 Seminar Club	2020 – 2021
Visiting Scholar	2019

Oregon State University, College of Public Health and Human Sciences

Mass spectrometry for human milk proteomics and peptidomics.

Mentor: David C. Dallas, PhD

Postdoctoral Research Associate 2017 – 2019

University of Illinois at Chicago, Department of Kinesiology and Nutrition

Intestinal development, nutrient absorption, and mucosal barrier function in a neonatal piglet model. Mentor: Kelly A. Tappenden, PhD, RD, FASPEN

EXPERIENCE:

Teaching, Extension and Research Appointments:

Assistant Professor – Research Faculty

University of Idaho, College of Agricultural and Life Sciences, Margaret Ritchie School of Family and Consumer Sciences

2019 – Current

Adjunct Faculty

Rush University, College of Health Sciences, Department of Clinical Nutrition
2017 – 2018

Instructor

Rush University, College of Health Sciences, Department of Clinical Nutrition
2005 – 2017

Non-Academic Employment:**Advanced Level Dietitian**

Rush University Medical Center

Neonatal Intensive Care unit (2011 – 2017)

Surgical Intensive Care Unit/University Transplant Program (2003 – 2011)

Complete management of patients requiring specialized nutrition support as an integral part of interdisciplinary intensive care unit and transplant teams.

TEACHING ACCOMPLISHMENTS:

Areas of Specialization: Human milk, nutrition in critical illness, nutrition and immunology, gastroenterology, and metabolism

Courses Taught:**University of Idaho**

Infant Nutrition – FN 504

2024

Nutrition in the Life Cycle – FN 305

2022 – current

Advanced Nutrition – FN 415/515

2022 – current

Gastrointestinal Physiology and Immunology – FN 510

2021 – current

Directed Study – Nutrition Research in Lab Setting (Undergraduate) – FCS 499

2020 – current

Directed Study – Nutrition Research in Lab Setting (Graduate) – FCS 502

2020

Concepts in Human Nutrition – FCS 205

2020

Graduate Seminar – FCS 501

2019 – current

University of Illinois at Chicago

Nutrition for Healthy Living – Graduate Course for Healthy Living Practitioner™ Certificate

2018

Rush University

Human Metabolism II – NTR 522

2007 – 2016

Advance Medical Nutrition Therapy II – Neonatal Intensive Care Unit – NTR 512

2011 – 2017

Nutrition Assessment – NTR 544

2010, 2015

Interrelations between Diet and Disease I & II – NTR 541 & 542

2009 – 2010

Nutrition in Critical Care – NTR 513

2005 – 2017

Advance Medical Nutrition Therapy II – Surgical Intensive Care Unit – NTR 512

2003 – 2011

Research Students Advised:

Postdoctoral Fellow:

- Yang Lyu, 2019 – 2021
- Bethaney Fehrenkamp, MD, PhD, 2019 – 2022

Graduate Students:

Major *thesis/dissertation advisor*:

- Sara Schumacher (PhD, UI), current
- Marilyn Stein (PhD, UI), current
- Mehedy Hasan Abir (MS, UI), current
- Heidi Sellmann (MS, UI), 2024
- Megan Follett (PhD, UI), 2023-2024
- Katelyn Heckathorn (MS, UI 2023), (PhD, UI), current
- Kendi Phelps (MS, UI), 2022
- Laurel Nunez (MS, UI), 2022
- Alexis Virlee (MS, Rush University), 2018
- Ashley Sell (MS, Rush University), 2017

Served on graduate *thesis committee*:

- Betsy Church (MS, UI), current
- Gena Irwin (MS, UI), 2024
- Zoe Bye (MS, University of Saskatchewan), 2022 (external examiner)
- Jordan Pratt (MS, Eastern Michigan University), 2022
- Patrick Brown-Hayes (MS, UI), 2021
- Jean Ziegenhorn (MS, Rush University), 2018
- Sabrina Bierman (MS, Rush University), 2016
- Amber Smith (MS, Rush University), 2016
- Caitlin Mondelli (MS, Rush University), 2015
- Freida Xing Pan (MS, Rush University), 2015
- Nicole Brown (MS, Rush University), 2014
- Monica Bojko (MS, Rush University), 2014
- Nicoletta Coduti (MS, Rush University), 2014
- Laura Oliver (MS, Rush University), 2012
- Hannah Roosevelt (MS, Rush University), 2012
- Taylor Stang (MS, Rush University), 2012
- Samantha Rifkin (MS, Rush University), 2011
- Devon Romano (MS, Rush University), 2011
- Jennifer Kintner (MS, Rush University), 2010
- Vickie Mountain (MS, Rush University), 2010
- Jennifer Buckler (MS, Rush University), 2007

Non-thesis Research Project Advisor:

- Paola Maria Bregni Ibarra (MS, UW), 2023-current
- Sara Schumacher (MS.D., UI), 2023-2024
- Hillary Zellner (MS, Rush University), 2017
- Sabrina Bierman (MS, Rush University), 2016
- Kirstie Ducharme-Smith (MS, Rush University), 2015
- Juliette Soelberg (MS, Rush University), 2015

Medical Students:

- Victoria Hollinshead (Southern Illinois University medical student, research internship), 2022-current
- Adam Crandall (WWAMI medical student, research internship), 2022
- Zachary Fishburn (WWAMI medical student, research internship), 2022
- Caleb Allred (WWAMI medical student, research internship), 2022
- Matayah Fox (WWAMI medical student, research internship), 2022

Undergraduate Research Students:

- Aubrey, Bureau, 2023-current
- Mya Gackstetter, 2023-current
- Sydney Woeller, 2022-2024
- Alexis Biasotti, 2021-current
- Kyleigh Weinstein, 2020-2022
- Lydia Waterman, 2020-2021
- Abigail Euhus, 2020-2021
- Kelsey Kolsky, 2020-2021

Education Materials Developed:

Rush University Medical Center

ICU Nutrition Support Practicum for Dietitians (adult and neonatology) – program curriculum

Nutrition Support Practicum for Critical Care and Pulmonary Fellows – program curriculum
 Nutrition Support Practicum for PharmD Residents – program curriculum

Courses Developed/Redesigned:

University of Idaho

Special Topics: Infant Nutrition – FN 504; 2024

Advanced Nutrition – FCS 361 (now FN 415/515); 2022

Gastrointestinal Physiology and Immunology – FCS 504 (now FN 510); 2021

Concepts in Human Nutrition – FCS 205; 2020

Graduate Seminar – FCS 501; 2019

Rush University

Human Metabolism II – NTR 522; 2013 – 2016

Nutrition Assessment – NTR 544; 2010, 2015

Interrelations between Diet and Disease I & II – NTR 541 & 542; 2009 – 2010

Nutrition in Critical Care – NTR 513; 2005 – 2017

Invited Presentations, Workshops, Seminars:

- *Depression Incidence and Vitamin D Concentration in NHANES Survey Data: A Case Study in Collaboration and Causal Inference.* University of Idaho, Institute for Interdisciplinary Data Sciences Seminar Series. 2024.
- *Potential Mechanisms Behind Infant Benefits Seen with Human Milk Feeding.* American Society for Parenteral and Enteral Nutrition: Nutrition Science & Practice Conference. Tampa, FL. 2024.
- *Human Milk on Intestinal and Brain Development & Inflammation.* University of Idaho Department of Chemical and Biological Engineering Graduate Seminar. 2023.
- *The effect of infant feeding types on intestinal, immune-, and neuro-development and inflammation.* American Society for Parenteral and Enteral Nutrition: Neonatal Section Webinar. 2023.
- *Making the GRADE: Methodology and Recommendations from ASPEN's New Guidelines for Prescribing Parenteral Nutrition to Preterm Infants.* American Society for Parenteral and Enteral Nutrition: Nutrition Science & Practice Conference. Las Vegas, NV. 2023.
- *Reducing Maternal Stress in Mothers of Preterm Infants Using a Mindfulness-based Intervention.* Mountain West CTR-IN Program: Virtual Annual Meeting, 2022.
- *Omics analyses reveal digestion-resistant proteins and digestion-released peptides are associated with inflammation and cytotoxic suppression in intestinal epithelial cells.* Federation of American Societies for Experimental Biology (FASEB) Science Research Conferences – Origins and Benefits of Biologically Active Components in Human Milk. West Palm Beach, FL. 2019.
- *Impact of Human Milk: From the Science to Economics.* American Society for Parenteral and Enteral Nutrition: Nutrition Science & Practice Conference. Phoenix, AZ. 2019.
- *Human Milk Components: Translating Basic Science to Bedside Application.* Graduate School Seminar. Oregon State University. Corvallis, OR. 2019.
- *Balancing Optimal Nutrition and the Immunologic Effects of Nutrition Support in the Premature Infant.* March of Dimes 43rd Annual Perinatal Nursing Conference. Lombard, IL. 2018.
- *Nutrition for the practicing pediatric clinician: human milk.* American Society for Parenteral and Enteral Nutrition: Nutrition Science & Practice Conference. Pre-conference Course. Las Vegas, NV. 2018.
- *Adult nutrition focused physical assessment.* American Society for Parenteral and Enteral Nutrition: Nutrition Science & Practice Conference. Las Vegas, NV. 2018.
- *Digested early lactation stage preterm human milk suppresses TNF-induced inflammation and cytotoxicity in human intestinal epithelial cells.* Federation of American Societies for Experimental Biology (FASEB) Science Research Conferences – Origins and Benefits of Biologically Active Components in Human Milk. Lisbon, Portugal. 2017.
- *Effects of human milk feedings on oxidative stress and intestinal injury in premature infants.* American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Orlando, FL. 2017.
- *How to Successfully Disseminate Your Scientific Findings.* American Society for Parenteral and Enteral Nutrition's Clinical Nutrition Week Roundtable. Orlando, FL. 2017.
- *Nutrition Assessment throughout the Life Cycle: Pediatric Malnutrition – A Multifaceted Topic.* Chicago, IL, 2016.

- *Ethical Dilemmas in Communication Across the Age Spectrum: A Theatrical Presentation*. Clinical Nutrition Week. Long Beach, CA, 2015.
- *Ethical Considerations Surrounding Patient Feeding Issues: Comfort Feeding to Forced Feeding Feedings*. Clinical Nutrition Week – International Clinical Ethics Section Meeting. Savannah, GA, 2014.
- *Physiological importance of enteral nutrition in acute pancreatitis*. Dietitians in Nutrition Support (DNS) 2011 Minneapolis Symposia – “Evidence & practice – are you on target?” Minneapolis, MN. 2011.
- *What would I do? – Panel discussion: Enteral Nutrition during Hemodynamic Instability*. Dietitians in Nutrition Support (DNS) 2011 Minneapolis Symposia – “Evidence & practice – are you on target?” Minneapolis, MN. 2011.
- *Evaluation and application of critical care nutrition guidelines*. North Suburban Dietetics Association. Palatine, IL. 2011.
- *A comparison of two methods of insulin administration in critically ill patients receiving parenteral nutrition*. Clinical Nutrition Week – Session. Las Vegas, NV, 2010.
- *Nutrition Support Team Perspective on Standard vs. Custom Parenteral Nutrition Solutions*. American Society for Parenteral and Enteral Nutrition’s Clinical Nutrition Week Roundtable. New Orleans, LA, 2009.
- *The Role of Dietitian Order-writing Privileges in Improving Parenteral Nutrition Utilization*. Original Contributions: Translating Research into Dietetics Practice – Nutrition Support and Chronic Disease. American Dietetic Association’s Food & Nutrition Conference & Expo. Chicago, IL, 2008.
- *How and Why We Minimize the Use of Intravenous Lipids in the ICU*. American Society for Parenteral and Enteral Nutrition’s Clinical Nutrition Week Roundtable. Chicago, IL, 2008.
- *Nutritional Implications of Acid-Base Disorders in the Adult Patient*. Chicago Chapter of American Society of Parenteral and Enteral Nutrition. Maywood, IL, 2007.
- *Delivery of Nutrition Support in the ICU: a case study approach*. Chicago Dietetic Association. Chicago, IL, 2007.
- *Pragmatic Approach to Nutrition in the Intensive Care Unit: Energy and Protein Requirements of the Critically Ill Patient*. Chicagoland Nutrition Support Conference. Rush University Medical Center. 2005.

Honors and Awards:

- University of Idaho 2024 Alumni Award for Excellence Inspirational Mentor
- Fellow of the American Society for Parenteral and Enteral Nutrition: 2024
- Academy of Nutrition and Dietetics, Dietitians in Nutrition Support (DNS) Distinguished Service Award: 2020
- Federation of American Societies for Experimental Biology (FASEB) Science Research Conferences Travel Award: 2019
- The International Society for Research in Human Milk and Lactation Conference Travel Award: 2018
- University of Illinois at Chicago, Dr. Savitrii Kamath Award: 2017
- University of Illinois at Chicago Graduate Student Council Travel Award: 2017
- Nutrition Practice Poster, Abstract of Distinction of Clinical Nutrition Week: 2010
- Best Overall Improvement of a Process Award of the RUSH National Healthcare Quality Fair for “Introduction of a Protocol to Improving Tube Feeding Delivery”: 2007
- Nestlé Nutrition Ambassador: 2007
- Rush University Medical Center Dietetic Internship: Clinical Preceptor of the Year: 2006
- Recipient of Theda L. Ashley Memorial Award: 2002

SCHOLARSHIP ACCOMPLISHMENTS:

Current H-Index: 12; Citations: 442

Refereed/Adjudicated:

1 – corresponding (senior) author; 2 – designed study; 3 – obtained funding for study; 4 – oversaw conduct of study; 5 – contributing participant in associated workshop or activity; 6 – major role in manuscript preparation

Journal Articles

My Bibliography: <https://www.ncbi.nlm.nih.gov/myncbi/yimin.chen.2/bibliography/public/>

*denotes trainee

In Preparation:

1. Sellmann H*, Williams JE, Udekwu K, McDonough A, Heckathorn K, **Chen Y**. The relationship between infant feeding types, gut microbiome, intestinal inflammation, and neurodevelopment in a neonatal piglet model. (1-6)
2. Fehrenkamp BD, Nuñez LA*, Follett M*, Richter J, Keele S, Schumacher S, Bunker M, Crandall A, Singleton V, Sellmann H*, Biasotti A*, Childress A, Fox M, Worthley B, Fishburn Z, Chen Y. Impacts of early life feeding exposure on intestinal development in a neonatal piglet model – a pilot study. (1-6)
3. Heckathorn K*, Patel J, Good M, Kim BJ, Dallas DC, McGuire M, Chen Y. The anti-inflammatory effect of human milk peptides via interference of LPS-binding to TLR4 and MD2. (1-6)

Published:

1. Lyu Y*, Kim BJ, Patel J, Dallas DC, **Chen Y**. Human milk protein-derived bioactive peptides from in vitro-digested colostrum exert antimicrobial activities against common neonatal pathogens. *Nutrients*. 2024, 16, 2040. DOI: 10.3390/nu16132040 (1-6)
2. Hollinshead V*, Piaskowski J, **Chen Y**. Low vitamin D status is associated with increased depression risk in adults 20-44 Years-Old, an NHANES 2007-2018 data analysis with a focus on perinatal and breastfeeding status. *Nutrients*. 2024, 16(12), 1876. DOI: 10.3390/nu16121876 (1-6)
3. Follett M*, Brengi P, Robinson DT, Calkins KL, Cober M, Falciglia G, **Chen Y**. Commentary on Guidelines for parenteral nutrition in preterm infants: limitations reveal opportunities. *J Parenter Enteral Nutr*. 2024. DOI: 10.1002/jpen.2640 (1-6)
4. Robinson D, Calkins K, **Chen Y**, Cober M, Falciglia G, Church D, Mey J, McKeever L, Sentongo T. Corrigendum: Guidelines for parenteral nutrition in preterm infants: The American Society for Parenteral and Enteral Nutrition. *JPEN J Parenter Enteral Nutr*. Sep 2023;47(7):830-858. DOI: 10.1002/jpen.2582
 - a. Robinson D, Calkins K, **Chen Y**, Cober M, Falciglia G, Church D, Mey J, McKeever L, Sentongo T. Response to Liviskie and colleagues. *J Parenter Enteral Nutr*. 2023; online first. DOI: 10.1002/jpen.2579 (2,4-6)
 - b. Robinson D, Calkins K, **Chen Y**, Cober M, Falciglia G, Church D, Mey J, McKeever L, Sentongo T. Guidelines for parenteral nutrition in preterm infants: The American Society of Parenteral and Enteral Nutrition. *J Parenter Enteral Nutr*. 2023; 47(7):830-858. DOI: 10.1002/jpen.2550 (2,4-6)
5. Lyu Y*, **Chen Y**. Digested human colostrum reduces interleukin-8 production in induced human intestinal epithelial cells. *Nutrients*. 2022; 14:2787. DOI: 10.3390/nu14142787 (1-4,6)
6. **Chen Y**, Kim BJ, Dallas DC. Proteomics analysis reveals digestion-resistant proteins from colostrum are associated with inflammatory and cytotoxic responses in intestinal epithelial cells. *J Parenter Enteral Nutr*. 2022; 46(5):1119-1129. DOI: 10.1002/jpen.2285 (1-6)
7. Mueller C, Jonnalagadda S, Torres KA, Hubbard VS, Turner J, Ottery F, **Chen Y**, Russell ME, Cetnarowski W, Citty SW, Dye L, Sacks GS, Kumbhat S. The Importance of Public-Private Partnerships for Nutrition-support Research: An ASPEN Position Paper. *J Parenter Enteral Nutr*. 2021; 45(8):1619-1626. DOI: 10.1002/jpen.2239 (5,6)
8. **Chen Y**, Fantuzzi G, Schoeny M, Meier PM, Patel AL. High-dose human milk feedings decrease oxidative stress in premature infants. *J Parenter Enteral Nutr*. 2019;43(1):126-132. DOI: 10.1002/jpen.1178 (1-6)
9. **Chen Y**. Invited Commentary: Considerations in Donor Human Milk Use in Premature Infants. *J Pediatr Gastroenterol Nutr*. 2018;67(5):550-551. DOI: 10.1097/MPG.0000000000002095 (1,6)

10. Bierman S*, Peterson SJ, **Chen Y**. Identification, coding, and reimbursement of pediatric malnutrition at an urban academic medical center. *Nutr Clin Pract*. 2018;33(5):640-646. DOI: 10.1002/ncp.10064 (1,2,4,6)
11. **Chen Y**, Patel AL, Meier PP, Fantuzzi G. Digested early lactation stage preterm human milk suppresses TNF-induced inflammation and cytotoxicity in human intestinal epithelial cells. *J Pediatr Gastroenterol Nutr*. 2018;66(6):e153-e157. DOI: 10.1097/MPG.0000000000001932 (1-6)
12. **Chen Y**, Kintner J, Rifkin SK, Keim KS, Tangney CC. Changes in Resting Energy Expenditure Following Orthotopic Liver Transplantation. *J Parenter Enteral Nutr*. 2016;40(6): 877-882. DOI: 10.1177/0148607115586435 (1,2,4-6)
13. Coduti N*, Gregoire M, Sowa D, Diakakis G, **Chen Y**. Characteristics of exclusively breastfeeding mothers. *Top Clin Nutr*. 2015;30(2):174-183. DOI: 10.1097/TIN.0000000000000033 (1,2,4,6)
14. Meier PP, Patel AL, Bigger HR, **Chen Y**, Johnson TJ, Rossman B, Engstrom JL. Human Milk Feedings in the Neonatal Intensive Care Unit. In: Rajendram R., Preedy V.R., Patel V.B. (eds) *Diet and Nutrition in Critical Care*. Springer, New York, NY. 2015. DOI: 10.1007/978-1-4614-7836-2_126 (5,6)
15. Patel A, Trivedi S, Bhandari N, Ruf A, Scala C, Witowich G, **Chen Y**, Renschen C, Meier P, Silvestri J. Reducing Necrotizing Enterocolitis in Very Low Birth Weight Infants Using Quality Improvement Methods. *J Perinatol*. 2014;34(11):850-7. DOI: 10.1038/jp.2014.123 (5,6)
16. Oliver L*, Rasmussen H, Gregoire MB, **Chen Y**. Health care provider's knowledge, perceptions, and use of probiotics and prebiotics. *Top Clin Nutr*. 2014;29(2):1-11. DOI: 10.1097/01.TIN.0000445898.98017.eb (1,2,4,6)
17. Brantley SL, Russell MK, Mogensen KM, Wooley JA, Bobo E, **Chen Y**, Malone A, Roberts S, Romano MM, Taylor B, American Society for Parenteral and Enteral Nutrition, Academy of Nutrition and Dietetics. American Society for Parenteral and Enteral Nutrition and Academy of Nutrition and Dietetics: Revised 2014 standards of practice and standards of professional performance for registered dietitian nutritionists (competent, proficient, and expert) in nutrition support. *Nutr Clin Pract*. 2014;29(6):792-828. DOI: 10.1177/0884533614554264 (5,6)
18. Roosevelt H*, Gregiore M, Sowa D, KinnareK, **ChenY**. The Influence of Risk and Resources Managed on Nutrition Support Registered Dietitians' Salaries. *Top Clin Nutr*. 2013;28(3):274-282. DOI: 10.1097/TIN.0b013e31829dee7d (1,2,6)
19. Kinnare KF, Bacon CA, **Chen Y**, Sowa DC, Peterson SJ. Risk factors for predicting hypoglycemia in patients receiving concomitant parenteral nutrition and insulin therapy. *J Acad Nutr Diet*. 2013;113:263-268. DOI: 10.1016/j.jand.2012.11.007 (2,5,6)
20. Sheean PM, Peterson SJ, **Chen Y**, Liu D, Lateef O, Braunschweig CA. Utilizing multiple methods to classify malnutrition among elderly patients admitted to the medical and surgical intensive care units (ICU). *Clin Nutr*. 2013;32:752-757. DOI: 10.1016/j.clnu.2012.12.012 (2,5)
21. Peterson S, **Chen Y**. Systematic approach to parenteral nutrition in the ICU. *Curr Drug Saf*. 2010;5:33-40. DOI: 10.2174/157488610789869139 (5,6)
22. **Chen Y**. Acute bariatric surgery complications: managing parenteral nutrition in the morbidly obese. *J Am Diet Assoc*. 2010;110:1734-1737. DOI: 10.1016/j.jada.2010.08.010 (1,5,6)
23. Peterson SJ, **Chen Y**, Sullivan CA, Wyckoff KF, Tupesis NC, Patel GP, Sowa DC, Lateef O, Sheean PM. Assessing the influence of registered dietitian order writing privileges on parenteral nutrition use. *J Am Diet*

Assoc. 2010;110:1703-1711. DOI: 10.1016/j.jada.2010.08.003 (2,3,5,6)

24. **Chen Y**, Peterson SJ. Enteral nutrition formulas: which formula is right for your adult patient? *Nutr Clin Pract.* 2009;24:344-355. DOI: 10.1177/0884533609335377 (1,5,6)
25. Behara A, Peterson SJ, **Chen Y**, Lateef O, Butsch J, Komanduri S. Nutrition Support in the Critically Ill: A Physician Survey. *J Parenter Enteral Nutr.* 2008;32(2):113-119. DOI: 10.1177/0148607108314763 (2,4,6)

Abstracts

*denotes trainee

- Hollinshead V*, Piaskowski J, **Chen Y**. Low vitamin D status is associated with increased depression risk in adults 20-44 Years-Old, an NHANES 2007-2018 data analysis with a focus on perinatal and breastfeeding status. Southern Illinois University School of Medicine 2025 Kenniebrew-McNeese Conference. Springfield, IL.
- Sellmann H*, Williams J, Udekwu K, McDonough A, **Chen Y**. The Relationship Between Infant Feeding Types, Gastrointestinal Microbiome, Intestinal Inflammation, and Neurodevelopment in a Neonatal Piglet Model. 22nd ISRHML Conference of the International Society for Research in Human Milk and Lactation. 2024, Charleston, SC.
- Heckathorn K*, Patel J, **Chen Y**. The Anti-inflammatory Effect of Human Milk Peptides via Inhibition of LPS Binding to TLR4 and MD2. 2024 IMGC Symposium. *Oral Presentation – student award.*
- Biasotti A*, Sellmann H, Fehrenkamp B, Nunez L, **Chen Y**. Comparative analysis among lab-raised vs. farm-raised piglets on immunoreactivity - a proof of concept study. 2024 University of Idaho OUR Undergraduate Research and Creative Arts Symposium.
- Faraj M*, Nunez L, Fehrenkamp B, **Chen Y**, McDonough A. Investigating Microglia Activation in Response to Different Food Sources in a Neonatal Piglet Model. Michigan State University Undergraduate Research and Arts Forum 2024.
- Follett M*, Schumacher S, Sellman H, Nunez L, Biasotti A, Fehrenkamp B, **Chen Y**. Intestinal barrier function and tight junction proteins in human milk vs infant formula-fed neonatal piglets. ASPEN 2024 Nutrition Science & Practice Conference. Tampa, FL. *Vars Award Oral Competition – “Promising Young Investigator” Award recipient.*
- Richter J*, Keele S, Nunez L, **Chen Y**, Fox M, Childress A and Fehrenkamp B. Assessing the effects of breastmilk and formula on neonatal immune development using a piglet model. 2024 Western Medical Research Conference. Carmel, CA. *Oral Presentation*
- Fehrenkamp BD, Badger R, Bunker M, Nuñez LA, **Chen Y**. Histological and Transcriptomic Investigations into the Effect of Human Milk on Intestinal Immune Development in a Neonatal Piglet Model. International Milk Genomic Consortium Symposium 2023. Cork, Ireland. *Oral Presentation*
- Heckathorn K*, Patel J, **Chen Y**. Interactions between digestion-released human milk peptides and cell surface receptors targeting inflammation. *Nutrition* 2023. Boston, MA.
- Keele S*, Nuñez L, **Chen Y**, Fox M, Richter J, Fehrenkamp BD. *Transcriptional investigations into neonatal gut development related to early feeding.* Idaho INBRE Summer Research Conference 2023.
- Fehrenkamp BD, Nuñez LA, McDonough A, Piaskowski J, **Chen Y**. Utilizing the neonatal piglet model to investigate the impact early-life feeding may have on brain development. Federation of American Societies for Experimental Biology (FASEB) Science Research Conferences – Origins and Benefits of Biologically Active Components in Human Milk. 2023. Melbourne, FL. *Oral Presentation*
- Fishburn Z*, Crandall A, Nunez L, Fehrenkamp B, **Chen Y**. Human milk feeding promotes gastrointestinal development in first six months of life compared to infant formula feeding in a neonatal piglet model. 2023 Western Medical Research Conference. Carmel, CA. *Oral Presentation*
- Burnette-Phelps K*, Fehrenkamp B, Partridge C, Speer A, McGuire M, **Chen Y**. Assessing associations of maternal stress with infant behavior and inflammatory markers in human milk. Des Moines University Research Symposium. Des Moines, IA. 2022.
- **Chen Y**, Fehrenkamp B*, Nunez L*, Piaskowski J, McDonough A. Human milk feeding improves brain growth and cognitive performance compared with infant formula feeding – a pilot neonatal piglet study. 21st ISRHML Conference of the International Society for Research in Human Milk and Lactation. Panama City, Panama.

2022.

- Fehrenkamp B*, Nunez L*, **Chen Y**. Early-life feeding exposure and brain development in a neonatal piglet model. ASPEN 2022 Nutrition Science & Practice Conference. Seattle, WA. 2022.
- Wang S*, **Chen Y**, Gao J, Patel RA, Tappenden KA, Li W. A Neonatal Piglet Brain Database with High Resolution MRI. Radiological Society of North America Annual Meeting. Chicago, IL. 2020.
- **Chen Y**, Kim BJ, Fantuzzi G, Dallas DC. Omics analyses reveal digestion-resistant proteins and digestion-released peptides are associated with inflammation and cytotoxic suppression in intestinal epithelial cells. Federation of American Societies for Experimental Biology (FASEB) Science Research Conferences – Origins and Benefits of Biologically Active Components in Human Milk. West Palm Beach, FL. July 2019.
- **Chen Y**, Tappenden KA, Meier PP, Patel A, Fantuzzi G. Human milk protein mediators following *in vitro* digestion. 19th ISRHML Conference of the International Society for Research in Human Milk and Lactation. Kanagawa, Japan. 2018.
- **Chen Y**, Patel A, Meier PP, Fantuzzi G. *Digested early lactation stage preterm human milk suppresses TNF-induced inflammation and cytotoxicity in human intestinal epithelial cells*. Federation of American Societies for Experimental Biology (FASEB) Science Research Conferences – Origins and Benefits of Biologically Active Components in Human Milk. Lisbon, Portugal. 2017.
- Bierman S*, **Chen Y**. Identification, Coding, and Reimbursement of Pediatric Malnutrition at Rush University Medical Center. American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Orlando, FL. 2017.
- Smith A*, Foley S, Ratz N, Sharp C, Sowa D, **Chen Y**. The Psychometric Properties of the Modified Screening Tool for the Assessment of Malnutrition in Paediatrics (mSTAMP) for use on Inpatient Pediatric Patients. American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Orlando, FL. 2017.
- Scala CM, **Chen Y**, Peterson SJ, Silvestri JM, Patel AL, Sharp C. Vitamin D deficiency and supplementation in preterm infants in the neonatal intensive care unit. American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Orlando, FL. 2017.
- Ducharme-Smith K*, Scala CM, **Chen Y**. Factors influencing adequacy and achievement of parenteral nutrition prescription on growth in neonatal intensive care unit infants at Rush University Medical Center. American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Austin, TX. 2016.
- Pan X*, Foley S, Patel A, **Chen Y**, Scala CM. Linear and head circumference growth in premature neonates receiving fortified human milk with supplemental protein. American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Austin, TX. 2016.
- Mondelli VC*, Sowa D, Foley S, **Chen Y**. Determine entry-level registered dietitian nutritionist's participation in advocacy. J Acad Nutr Dietetics. 2015;115(suppl 2, 9):A-12.
- **Chen Y**, Wicks J, Rogers LM, Esquerra-Zwiers A, Scala CM, Janes J, Meier PP, Silvestri JM, and Patel AL. Impact of a Donor Milk Program on Mother's Own Milk Usage and Growth in Very Low Birth Weight Infants in the Neonatal Intensive Care Unit. American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Long Beach, CA. 2015
- **Chen Y**, Meier PP, Friel JK, Fantuzzi G. Effect of Colostrum on Endotoxin-Induced Interleukin-8 Production in Human Intestinal Epithelial Cells. 17th ISRHML Conference. Kiawah Island, SC. 2014
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- Coduti N*, Gregoire M, Sowa D, Diakakis GM, **Chen Y**. Influences of breastfeeding mothers. Experimental Biology. San Diego, CA. 2014
- Brown N*, Gregoire M, Sowa D, Ratz, **Chen Y**. Characteristics of exclusive formula and mixed feeding mothers. Experimental Biology. San Diego, CA. 2014
- Patel AL, Rogers LM, Scala CM, **Chen Y**, Janes J, Renschen C, Meier PP, Silvestri JM. Impact of Donor Milk on Short-Term Outcomes in Very Low Birth Weight (VLBW) Infants. Pediatric Academic Societies and Asian Society for Pediatric Research Joint Meeting. Vancouver, Canada. 2014: 3845.678
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- Scala CM, **Chen Y**. Discrepancy in length measurement between measuring tape and recumbent length board in the neonatal intensive care unit (NICU). American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Savannah, GA. 2014.
- Scala CM, Witowich G, Sowa D, **Chen Y**. Head Circumference and Linear Growth with Increased Protein Administration in Neonates. American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Phoenix, AZ. 2013.
- Rasmussen H, Oliver L, Gregoire M, **Chen Y**. Knowledge, Use and Perceptions of Probiotics and Prebiotics in Medical Center Healthcare Providers. Experimental Biology. San Diego, CA. 2012.
- Stang T*, Peterson S, Sowa D, Gregoire M, **Chen Y**. Validating Generalist and Advanced Indicators Statements in the 2007 Standards of Professional Performance for Registered. Academy of Nutrition and Dietetics's Food & Nutrition Conference & Expo. Philadelphia, PA. 2012.
- **Chen Y**, Lewandowski J, Sperry M, Keim K, Sowa D, Peterson SJ. A comparison of two methods of insulin administration in critically ill patients receiving parenteral nutrition. *Nutr Clin Pract*. 2010.
- Peterson SJ, **Chen Y**, Sullivan C, Butsch J, Komanduri S, Lateef O. Improved utilization of parenteral nutrition. Society of Critical Care Medicine's 37th Critical Care Congress. Hawaii, 2008.
- Peterson S, **Chen Y**, Sullivan C, Tangney C, Sheean P. Does a weight loss indicator enhance the predictability of APACHE II for determining hospital mortality among patients admitted to the Medical Intensive Care Unit (MICU)? American Society of Parenteral and Enteral Nutrition's Clinical Nutrition Week. Chicago, IL 2008.
- Peterson SJ, **Chen Y**, Butsch J, Lateef O, Komanduri S, Elpern E, Patel G, Sowa D. Introduction of a Protocol to Improve Tube Feeding Delivery in the Intensive Care Unit. RUSH National Healthcare Quality Fair, 2007.
- **Chen Y**, Zablah-Pimentel E, Dowling R, Millikan K, Butsch J. Predicting resting energy expenditure in obese patients undergoing Roux-en-Y gastric bypass surgery. RUSH University Chapter of Sigma Xi, 2007.

Grants and Contracts Awarded:

Title: Mechanistic investigation of human milk feeding on neurodevelopment: a comparative study using neonatal piglets and translatable biomarkers (PI: Yimin Chen)

Agency: National Institute of Health

Funding Mechanism/Award Number: 1R56HD113572-01

Date: 09/01/2024 – 08/31/2025

Total Fund: \$239,399 (spending authority: \$203,409)

Title: Mechanistic investigation of human milk feeding on neurodevelopment: a comparative study using neonatal piglets and translatable biomarkers (PI: Yimin Chen)

Agency: University of Idaho

Funding Mechanisms: Operation Resubmission Success

Date: 7/24 – 6/25

Total Fund: \$50,350 (spending authority: \$50,350)

Title: COBRE in Nutrition and Women's Health (PI: Shelley McGuire; Research Project Lead: Yimin Chen)

Agency: National Institute of Health

Funding Mechanism/Award Number: 1351834

Date: 01/15/2024 – 01/14/2029

Total Fund: \$11,928,535 (spending authority: \$700,670)

Title: Human milk peptides reduce intestinal inflammation and necroptosis via cell receptor binding (PI: Yimin Chen)

Agency: University of Idaho

Funding Mechanisms: Operation Resubmission Success

Date: 2/23 – 2/25

Total Fund: \$74,351 (spending authority: \$74,351)

Title: Effect of early-life feeding types on neurodevelopment mediated by the gut-brain axis (PI: Yimin Chen)
Agency: American Society for Parenteral and Enteral Nutrition Rhoads Research Foundation
Funding Mechanisms: ASPEN Rhoads Research Foundation Grant
Date: 1/23 – 12/23 (Renewed 2nd year funding)
Total Fund: \$25,000 (spending authority: \$25,000)

Title: Effects of human milk handling practices on peptide release and bioactivity in the preterm infant intestine (PI: David C. Dallas; Co-investigator: Yimin Chen)
Agency: National Institute of Health
Funding Mechanism/Award Number: 1R01HD097367-01A1
Date: 8/20/2022 – 7/31/2027
Total Fund: \$2,994,339 (spending authority: \$679,377)

Title: Early-life feeding exposure and intestinal development in a neonatal piglet model (PI: Yimin Chen)
Agency: University of Idaho INBRE and WWAMI
Funding Mechanism: Idaho INBRE WWAMI Student Research Training Support Award
Date: 12/21 – 2/22
Total Fund: \$17,903.60 (spending authority: \$17,903.60)

Title: Effect of early-life feeding types on neurodevelopment mediated by the gut-brain axis (PI: Yimin Chen)
Agency: American Society for Parenteral and Enteral Nutrition Rhoads Research Foundation
Funding Mechanisms: ASPEN Rhoads Research Foundation Grant
Date: 1/22 – 12/22
Total Fund: \$25,000 (spending authority: \$25,000)

Title: Investigating peptide bioactivity in human milk via complimentary modeling and experiments (PI: Yimin Chen)
Agency: University of Idaho Institute for Modeling Collaboration and Innovation (IMCI)
Funding Mechanism/Award Number: IMCI Internal Grant
Date: 2021 – 2022
Total Fund: \$80,000 (spending authority: \$80,000)

Title: Reducing Maternal Stress in Mothers of Preterm Infants Using a Mindfulness-based Intervention (PI: Yimin Chen)
Agency: Mountain West Clinical Translational Research – Infrastructure Network
Funding Mechanism/Award Number: U54GM104944
Date: 2020 – 2022
Total Funding: \$60,000 (spending authority: \$60,000)

Title: ASPEN 2019 Research Workshop (RW) The Relationship between the intestinal barrier and chronic disease (PI: Yimin Chen)
Agency: National Institute of Health/ National Institute of Diabetes and Digestive and Kidney Diseases
Funding Mechanism/Award Number: R13DK120290
Date: 2019
Total Fund: \$10,000 (spending authority: \$10,000)

Title: Peptidomics in *in vitro* digested human milk (PI: Yimin Chen)
Agency: International Society for Research in Human Milk and Lactation/ Family-Larsson Rosenquist Foundation
Funding Mechanism: Trainee Travel Fund
Date: 2019
Total Fund: \$10,000 (spending authority: \$10,000)

Title: Modulating effect of feeding type on pathophysiologic response in the premature infant and intestinal

epithelial cells (PI: Yimin Chen)

Agency: Academy of Nutrition and Dietetics Foundation

Funding Mechanism: Dietitians in Nutrition Support Practice Group Research Grant

Date: 2016 – 2018

Total Fund: \$10,000 (spending authority: \$10,000)

Grants and Contracts Unfunded:

Title: Paracellular and Transcellular Passage Function of Piglet Tissue Exclusively Fed Human Milk and Infant Formula (PI: Yimin Chen; Graduate Student Applicant: Megan Follett)

Agency: Academy of Nutrition and Dietetics Foundation

Funding Mechanism/Award Number: Commission on Dietetic Registration Emerging Researcher Grant

Date: 01/01/2024 – 12/31/2024

Total Fund: \$10,000 (spending authority: \$10,000)

Title: Differentiating intestinal epithelial and immune cell populations as a function of early feeding exposures using scRNA sequencing in a neonatal piglet model (PI: Yimin Chen; Graduate Student Applicant: Sara Schumacher)

Agency: Academy of Nutrition and Dietetics Foundation

Funding Mechanism/Award Number: Commission on Dietetic Registration Emerging Researcher Grant

Date: 01/01/2024 – 12/31/2024

Total Fund: \$10,000 (spending authority: \$10,000)

Title: Mechanistic investigation of human milk feeding on neurodevelopment: a comparative study using neonatal piglets and translatable biomarkers (PI: Yimin Chen) – Impact score: 51; discussed

Agency: National Institute of Health

Funding Mechanism/Award Number: 1R01HD113572-01

Date: 09/01/2023 – 08/31/2028

Total Fund: \$3,652,822 (spending authority: \$3,652,822)

Title: COBRE in Nutrition and Women's Health (PI: Shelley McGuire; Co-investigator: Yimin Chen)

Agency: National Institute of Health

Funding Mechanism/Award Number: 1141528

Date: 01/15/2023 – 01/14/2028

Total Fund: \$7,800,000 (spending authority: \$780.505)

Title: Human milk peptides reduce intestinal inflammation and necroptosis via cell receptor binding (PI: Yimin Chen) – Impact score: 42; discussed

Agency: National Institute of Health

Funding Mechanism/Award Number: 1R01HD109857-01

Date: 07/01/2022 – 06/30/2027

Total Fund: \$3,099,401 (spending authority: \$3,099,401)

Title: Effects of human milk handling practices on peptide release and bioactivity in the preterm infant intestine (PI: Brian Scottoline; Co-investigator: Yimin Chen)

Agency: National Institute of Health

Funding Mechanism/Award Number: 1 R01 HD109193-01

Date: 2022 – 2027

Total Fund: \$ 3,795,700 (spending authority: \$300,000)

Title: Mechanistic effects of early-life feeding on neurodevelopment via the gut-brain immune axis (PI: Yimin Chen)

Agency: National Institute of Health

Funding Mechanism/Award Number: 1R01HD111021-01

Date: 12/01/2022 – 11/30/2026

Total Fund: \$2,674,556 (spending authority: \$2,674,556)

Title: Mechanistic investigation of human milk feeding on neurodevelopment: a parallel comparative study using neonatal piglets and human infant biomarkers (PI: Yimin Chen) – scored & discussed

Agency: National Institute of Health

Funding Mechanism/Award Number: 1R01HD111434-01

Date: 04/01/2023 – 03/31/2028

Total Fund: \$3,159,112 (spending authority: \$3,159,112)

Title: Discovering digestion-released human milk-peptides bioactivities targeting anti-microbial activities, and intestinal inflammation and necroptosis pathways (PI: Yimin Chen)

Agency: National Institute of Health

Funding Mechanism/Award Number: 1R01HD110474-01

Date: 09/01/2022 – 08/31/2027

Total Fund: \$3,099,400 (spending authority: \$3,099,400)

Title: Examining gut-health enhancing peptides across human milk digestion in infants and with varying milk handling practices (PI: David C. Dallas; Co-investigator: Yimin Chen)

Agency: United States Department of Agriculture

Funding Mechanism/Award Number: Agriculture and Food Research Initiative Competitive Grants Program

Date: 2021 – 2024

Total Fund: \$600,000 (spending authority: \$150,000)

Title: Effect of feeding types on neurodevelopment mediated by the gut-brain axis (PI: Yimin Chen)

Agency: The Pew Charitable Trusts – Pew Scholars Program in the Biomedical Sciences

Funding Mechanism/Award Number: NA

Date: 2021 – 2025

Total Fund: \$300,000 (spending authority: \$300,000)

Title: Impact of maternal stress on beneficial human milk proteins/peptides and subsequent infant outcomes (PI: Yimin Chen)

Agency: Gerber Foundation

Funding Mechanism/Award Number: NA

Date: 2020 – 2023

Total Fund: \$350,000

Title: The relationship between maternal stress and human milk proteins/peptides. (PI: Yimin Chen)

Agency: Institute of Translational Health Sciences

Funding Mechanism/Award Number: ITHS KL2 Multidisciplinary Clinical Research Career Development Program

Date: 2020 – 2023

Total Fund: \$255,000

Title: Piglet Intervention Center (PInC). (PI: Yimin Chen)

Agency: University of Idaho

Funding Mechanism/Award Number: Office of Research and Economic Development – Equipment and Infrastructure Support

Date: 2019 – 2020

Total Fund: \$46,000

SERVICE:

University Service

Major Committee Assignments

University of Idaho, College of Agricultural and Life Sciences and Family & Consumer Sciences, Staff Search Committees, 2021 - Current

- Regular Faculty in Nutrition and Women's Health
- Research Faculty – Extension Specialist in Human Nutrition & Health
- Statistician
- Sponsored Program Administrator II
- Sponsored Program Administrator I or II
- Regular Faculty – Assistant Professor in Nutrition & Dietetics

University of Idaho, College of Agricultural and Life Sciences, Awards Reviewer, 2023

University of Idaho, Family & Consumer Sciences, Awards Committee, 2022 – Current

University of Idaho, Family & Consumer Sciences, Social Committee, 2019 – Current

University of Idaho, Family & Consumer Sciences, Scholarship Committee, 2021 – Current

University of Idaho, Family & Consumer Sciences, Graduate Program Committee, 2019 – 2023

Rush University Graduate Program in Clinical Nutrition: Research Committee, 2007 – 2016

Rush University Graduate Program in Clinical Nutrition: Workshop Committee, 2007 – 2017

Rush University Graduate Program in Clinical Nutrition: Website Committee, 2005 – 2007

Offices Held

University of Idaho, Family & Consumer Sciences, Staff Search Committee, **Chair** (2022 – 2023)

- Research Associate II
- Research Associate I

University of Idaho, Family & Consumer Sciences, Scholarship Committee, **Chair** (2021 – 2023)

University of Idaho, Family & Consumer Sciences, Social Committee, **Chair** (2019 – Current)

University of Idaho, Family & Consumer Sciences, Graduate Program, **Director** (2019 – 2021)

Professional and Scholarly Organizations

Memberships

International Society for Developmental Origin of Health and Disease, 2024

US Developmental Origin of Health and Disease Society, 2024

American Society for Nutrition, 2018 – Current

International Society for Research in Human Milk and Lactation, 2012 – Current

European Society for Parenteral and Enteral Nutrition, 2007 – 2011

Chicago Chapter American Society for Parenteral and Enteral Nutrition, 2005 – 2019

American Society for Parenteral and Enteral Nutrition, 2003 – Current

Dietitians in Nutrition Support Dietetics Practice Group (DPG), 2003 – 2020

Academy of Nutrition and Dietetics (formerly American Dietetic Association), 2001 – 2020

Chicago Dietetic Association, 2001 – 2004

Committee Assignments

International Society for Research in Human Milk and Lactation:

- Trainee Interest Group Governing Committee, 2019 – 2022

American Society for Parenteral and Enteral Nutrition:

- Abstract Task Force, 2023 – 2024
- Research Committee – Mentor/Mentee Subgroup, 2018 – 2019
- Neonatal Parenteral Nutrition Guidelines Committee, 2018 – 2023
- Succession Planning Task Force Committee, 2018 – 2020
- Neonatal Section Leadership, 2017 – 2020
- Nominations Committee, 2016 – 2017
- Research Committee, 2013 – 2020
- Research Section Leadership, 2013 – 2017
- Sections Affairs Subcommittee, 2013 – 2017
- Standards Task Force Committee, 2011 – 2013

- Program Planning Committee, 2013 – 2021
- Conference Monitoring Committee, 2012 – 2015
- Abstract Review Committee, 2008 – 2013

Dietitians in Nutrition Support, Dietetics Practice Groups of the Academy of Nutrition and Dietetics:

- Research Committee, 2012 – 2013
- Coordinating Cabinet Member, 2008 – 2010
- Mentorship Program Committee, 2007 – 2010

Reviewer

Journal of Pediatric Gastroenterology and Nutrition, 2018 – Current

Nutrition in Clinical Practice, 2018 – Current

Journal of Parenteral and Enteral Nutrition, 2011 – Current

Journal of the Academy of Nutrition and Dietetics (formerly Journal of the American Dietetics Association), 2010 – Current

Offices Held

International Society for Research in Human Milk and Lactation:

- Virtual Conference, **Co-chair** (2020)
- Trainee Interest Group, **Co-President** (2019 – 2021)
- Executive Committee, **Ex-Officio** (2019 – 2021)

American Society for Parenteral and Enteral Nutrition:

- Program Planning Committee, **Chair** (2019 – 2020), **Chair-elect** (2018 – 2019)
- Research Committee, **Chair** (2020)
- Research Committee – Mentor/Mentee Subgroup, **Chair** (2018 – 2019)
- Neonatal Section, **Chair** (2017 – 2020)
- Research Workshop 2019 of the Research Committee, **Chair** (2017 – 2019)
- Research Section, **Chair** (2015 – 2017), **Chair-elect** (2013 – 2015)
- Clinical Nutrition Week Monitoring Committee, **Chair** (2013 – 2015)
- Abstract Review Committee, **Chair** (2012 – 2013)

Dietitians in Nutrition Support, Dietetics Practice Groups of the Academy of Nutrition and Dietetics:

- Executive Committee, **Immediate Past-Chair** (2019 – 2020), **Chair** (2018 – 2019), **Chair-elect** (2017 – 2018)
- Executive Committee, **Secretary** (2010 – 2012)
- Mentorship Program, **Chair** (2008 – 2010)

Chicago Chapter American Society for Parenteral and Enteral Nutrition:

- **President** (2010 – 2011)
- **Treasurer** (2008 – 2009)
- **Program Chair** (2007 – 2009)