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Purdue University
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EDUCATION

- Ph.D. in Nutritional Sciences December 2003
The Pennsylvania State University, University Park, PA
Dissertation: *Iron Status, Cognitive Performance, and Behavioral Affect in Young Women*
Mentor: Dr. John Beard
- M.S. in Nutrition May 1998
The Pennsylvania State University, University Park, PA
Thesis: *Effects of Resistance Training and Dietary Intake on the Iron Status of Older Men and Women*
Co-Mentors: Dr. Wayne Campbell and Dr. John Beard
- B.S. in Pre-Medicine May 1995
The Pennsylvania State University, University Park, PA

POST-DOCTORAL TRAINING

2004 – 2006

NIMH Fellow: Infant Brain Development and Cognition Laboratory, Department of Psychology (Lab PI: Dr. Rick Gilmore) and Parental Functioning and Child Development Laboratory, Department of Human Development and Family Studies (Lab PI: Dr. Douglas Teti)
The Pennsylvania State University, University Park, PA

POST-DOCTORAL EMPLOYMENT HISTORY

- Professor (Tenured) and Department Head** July 2021 – present
Department of Nutrition Science
Purdue University, West Lafayette, IN
- Professor in Charge of the Graduate Program in Nutritional Sciences** 2017 – 2021
Department of Nutritional Sciences
The Pennsylvania State University, University Park, PA
- Interim Department Head** Sep 2017 – Feb 2018
Department of Nutritional Sciences
The Pennsylvania State University, University Park, PA
- Associate Professor (Tenured)** 2016 – 2021
Department of Nutritional Sciences
The Pennsylvania State University, University Park, PA

Assistant Professor (Tenure Track) Department of Nutritional Sciences The Pennsylvania State University, University Park, PA	2011 – 2016
Adjunct Faculty Center for Human Nutrition, Department of International Health Johns Hopkins Bloomberg School of Public Health, Baltimore, MD	2010 – present
Research Associate and Instructor Department of Nutritional Sciences The Pennsylvania State University, University Park, PA	2009 – 2010
Assistant Professor (Tenure Track) (1 Year Leave of Absence from 2009-2010) Center for Human Nutrition, Department of International Health Johns Hopkins Bloomberg School of Public Health, Baltimore, MD	2007 – 2010

ADMINISTRATIVE EXPERIENCE

Professor-in-Charge, Graduate Program in Nutritional Sciences, The Pennsylvania State University, (2017 – 2021). Engage in program and curriculum development, conduct annual student evaluations, respond to student concerns, and participate in regular meetings with departmental and college administration in regard to departmental, college, and university activities. Schedule regular program faculty meetings and establish program policy. Schedule monthly group meetings with the students to discuss any concerns and provide materials on professional development. Manage the administration of graduate endowment funds and scholarships. Oversee administration of qualifying exam, comprehensive exam, and final defense for each graduate student. Nominate deserving students for university fellowships/scholarships. Chair the admissions committee for the graduate program and represent the department in recruitment activities.

Interim Department Head, Department of Nutritional Sciences, The Pennsylvania State University (2017 – 2018). Led a faculty of 27 (12 tenure-track, 15 full-time fixed-term) and a staff of 5. Oversaw resident instruction including an undergraduate program with three options (Applied Science, Basic Science, and Dietetics (accredited) with ~300 students; two master's programs (one in-residence research based and one online practice based (accredited)); and a doctoral program with 30 – 40 students. Ensured compliance with accreditation standards for our undergraduate Dietetics option and our online Master of Professional Studies (MPS) degree. Oversaw the restructuring of our undergraduate options to the following three: Behavioral Nutrition and Public Health, Nutritional Physiology and Biochemistry, and Nutrition and Dietetics. Ensured the development of all necessary online courses for our newly offered MPS. Managed a budget of approximately \$3.75 million, in addition to administering approximately \$1 million in research grant expenditures.

HONORS AND AWARDS

Nevin Scrimshaw Mid-Career Award in Global Nutrition American Society for Nutrition <i>Given for innovative work to advance the field of global nutrition; recipient must have a sustained record of substantial research, mentoring and training</i>	2019
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Norman Kretchmer Memorial Award in Nutrition and Development American Society for Nutrition <i>Given for a substantial body of independent research in the field of nutrition and development with potential relevance to improving child health</i>	2016
Teaching Excellence Award, Penn State's College of Health and Human Development	2016 2015 2014 2013
Outstanding Nutrition Alumni Award, Penn State Nutrition and Dietetics Alumni Society	2013
Johns Hopkins Faculty Innovation Award, Bloomberg School of Public Health	2008
The Dannon Institute's Nutrition Leadership Institute	2007
Early Career Award, International Society on Infant Studies	2006
Faris Award, Penn State's Psychology Department	2006
Kellogg Prize for International Nutrition: Finalist American Institute for Nutrition (Society for International Nutrition)	2004
Hintz Graduate Education Enhancement Award, Penn State's College of Health and Human Development	2003 2002
Health and Human Development Endowed Graduate Fellowship Award, Penn State's College of Health and Human Development	2002 – 2003
Graduate Program in Nutrition Competitive Research Award, Penn State's Department of Nutritional Sciences	2001
Kappa Omicron Nu Honor Society	1997
Phi Upsilon Omicron Honor Society	1997
Golden Key National Honor Society	1994
Alpha Epsilon Delta National Health Professions Honor Society	1993
<i>Internal Awards</i>	
Golden Spoon Award (Voted as faculty member "Who best exemplifies work life balance" by the graduate students), Nutrition Graduate Student Association, Penn State Department of Nutritional Sciences	2018 2017
Golden Spoon Award (Voted as faculty member "Most likely to have you over for dinner" by the graduate students), Nutrition Graduate Student Association, Penn State Department of Nutritional Sciences	2016

PUBLICATIONS

(names of mentored students, postdocs, and BIRCIWH scholars are underlined; *denotes publications from the MAL-ED study for which I am the Chair of the Cognitive Development Subcommittee and co-

PI of the follow-up grant)

Peer-Reviewed Journal Articles

1. Rincon SJ, Dou N, **Murray-Kolb LE**, Hudy KA, Mitchell DC, Li Runze, Na M. Daily food insecurity is associated with diet quality, but not energy intake, in winter and during COVID-19, among low-income adults. *Nutr J* (2022) 21:19.
2. Koshy B, Srinivasan M, Gopalakrishnan S, Mohan VR, Scharf R, **Murray-Kolb L**, John S, Beulah R, Muliyl J, Kang G. Are early childhood stunting and catch-up growth associated with school age cognition? Evidence from an Indian birth cohort. *PLoS One*. (2022) 17(3):e0264010.
3. Aguree S, **Murray-Kolb LE**, Diaz F, Gernand AD. Menstrual cycle-associated changes in micronutrient biomarkers concentration: A prospective cohort study. *JANA* (2022) <https://doi.org/10.1080/07315724.2022.2040399>.
4. Na M, Dou N, Liao Y, Rincon SJ, Francis LA, Graham-Engeland JE, **Murray-Kolb LE**, Li R. Daily food insecurity predicts lower positive and higher negative affect: An ecological momentary assessment study. *Front Nutr* (2022) <https://doi.org/10.3389/fnut.2022.790519>.
5. *McCormick BJJ, Richard SA, **Murray-Kolb LE**, Kang G, Lima AAM, Mduma E, Kosek MN, Rogawski McQuade ET, Bessong P, Shrestha S, Bhutta Z, Ahmed T, Caulfield LE (on behalf of MAL-ED Network Investigators). Full breastfeeding protection against common enteric bacteria and viruses: Results from the MAL-ED cohort study. *Am J Clin Nut* (2022) 115:759-769.
6. Pobee RA, Setorglo J, Klevor M, **Murray-Kolb LE**. The prevalence of anemia and iron deficiency among pregnant Ghanaian women. *PLoS ONE* (2021) 16(3):e0248754.
7. Ssentongo P, Hehnly C, Birungi P, Roach MA, Spady J, Fronterre C, Wang M, **Murray-Kolb LE**, Al-Shaar L, Chinchilli VM, Broach JR, Ericson JE, Schiff SJ. Congenital cytomegalovirus (CMV) infection epidemiology and burden in countries with universal screening. *JAMA Network Open* (2021) 4:e2120736.
8. *Richard SA, McCormick BJJ, **Murray-Kolb LE**, Bessong P, Shrestha SK, Mduma E, Ahmed T, Kang G, Lee GO, Seidman JC, Svensen E, Kosek MN, Caulfield LE. Influences on catch-up growth using relative versus absolute metrics: Evidence from the MAL-ED cohort study. *BMC Public Health* (2021) 21:1246.
9. *Richard SA, McCormick BJJ, **Murray-Kolb LE**, Chandyo RK, Patil C, Mahopo C, Maciel B, Bose A, Mahfuz M, Ambikapathi R, Olortegui MP, Caulfield LE; on behalf of the MAL-ED Network Investigators. Characteristics associated with the transition to partial breastfeeding prior to 6 months of age in children from the MAL-ED cohort study. *Matern Child Nutr.* (2021) e13166.
10. Neumann SN, Li J, Yuan X, Chen S, Ma C, **Murray-Kolb LE**, Han J, Wu S, Gao X. Anemia and insomnia: A cross-sectional study and meta-analysis. *Chinese Medical Journal* (2020) doi:10.1097/CM9.0000000000001306 (epub ahead of print).
11. *Nicolaou L, Ahmed T, Bhutta ZA, Bessong P, Kosek MN, Lima A, Shrestha SK, Chandyo RK, Mduma E, **Murray-Kolb LE**, Morgan BW, Grigsby MR, Checkley W (on behalf of the MALED Network Investigators). Factors associated with head circumference and indices of cognitive development in early childhood. *BMJ Glob Health* (2020) 5(10):e003427.
12. Pasricha S, Gheorghe A, Sakr-Ashour F, Arcot A, Neufeld L, **Murray-Kolb LE**, Suchdev PS,

- Bode M. Net benefit and cost-effectiveness of universal iron-containing multiple micronutrient powders for young children in 78 countries: a microsimulation study. *Lancet Glob Health* (2020) 8:e1071-e1080.
13. *McCormick BJJ, Caulfield LE, Richard SA, Pendergast L, Seidman JC, Maphula A, Koshy B, Blacy L, Roshan R, Nahar B, Shrestha R, Rasheed M, Svensen E, Rasmussen Z, Scharf RJ, Haque S, Oria R, **Murray-Kolb LE** (on behalf of the MAL-ED Network Investigators). Early life experiences and trajectories of cognitive development. *Pediatrics* (2020) Aug 17:e20193660 (online ahead of print).
 14. *Antiporta D, Ambikapathi R, Bose A, Maciel B, Mahopo TC, Patil C, Turab A, Olortegui MP, Islam M, Bauck A, McCormick BJJ, Caulfield LE; on behalf of **MAL-ED Network Investigators**. Micronutrient intake and the probability of nutrient adequacy among children 9-24 months of age: results from the MAL-ED birth cohort study. *Public Health Nutr* (2020) July 2:1-11 (online ahead of print).
 15. Pobee RA, Aguree S, Colecraft EK, Gernand AD, **Murray-Kolb LE**. Food insecurity and micronutrient status among Ghanaian women planning to become pregnant. *Nutrients* (2020) 12(2): 470; doi:10.3390/nu12020470.
 16. *Alam A, Richard SA, Fahim SM, Mahfuz M, Nahar B, Das S, Shrestha B, Koshy B, Mduma E, Seidman JC, **Murray-Kolb LE**, Caulfield LE, Lima AAM, Bessong P, Ahmed T. Impact of early-onset persistent stunting on cognitive development at 5 years of age: Results from a multi-country cohort study. *PLoS ONE* (2020) 15(1): e0227839.
 17. *Nahar B, Hossain M, Mahfuz M, Islam MM, Hossain MI, **Murray-Kolb LE**, Seidman JC, Ahmed T. Early childhood development and stunting: Findings from the MAL-ED birth cohort study in Bangladesh. *Matern Child Nutr.* (2020) 16(1): e12864.
 18. *Mahfuz M, **Murray-Kolb LE**, Hasna SMT, Das S, Fahim SM, Alam MA, Caulfield LE, Ahmed T. Why do children in slums suffer from anemia, iron, zinc and vitamin A deficiency? Results from a birth cohort study in Dhaka. *Nutrients* (2019) 11(12): 3025; doi:10.3390/nu11123025.
 19. *McCormick BJJ, **Murray-Kolb LE**, Lee GO, Schulze K, Ross AC, Bauck AD, Lima AAM, Maciel BLL, Kosek MN, Seidman JC, Ambikapathi R, Bose A, John S, Kang G, Turab A, Mduma E, Bessong P, Shrestha SK, Ahmed T, Olortegui MP, Mahfuz M, Butta Z, Caulfield LE (on behalf of MAL-ED Network Investigators). Intestinal permeability and inflammation mediate the association between nutrient density of complementary foods and biochemical measures of micronutrient status in young children: results from the MAL-ED study. *Am J Clin Nutr.* (2019) 110:1015-1025.
 20. Gernand AD, Aguree SS, Pobee R, Colecraft EK, **Murray-Kolb LE**. Concurrent micronutrient deficiencies are low and micronutrient status is not related to common health indicators in Ghanaian women expecting to become pregnant. *Curr Dev Nutr.* (2019) 3:nzz053.
 21. *McCormick BJJ, Richard SR, Caulfield LE, Pendergast L, Seidman JC, Koshy B, Roshan R, Shrestha R, Svensen E, Blacy L, Rasmussen Z, Maphula A, Scharf R, Nahar B, Haque S, Rasheed M, Oria R, Rogawski ET, **Murray-Kolb LE** (on behalf of MAL-ED Network Investigators). Early life child micronutrient status, maternal reasoning and a nurturing household environment have persistent influences on child cognitive development at age 5 years: Results from MAL-ED. *J Nutr.* (2019) 149:1460-1469.

22. *Richard SA, McCormick BJJ, **Murray-Kolb LE**, Lee GO, Seidman JC, Mahfuz M, Ahmed T, Guerrant RL, Petri Jr WA, Rogawski ET, Houpt E, Kang G, Mduma E, Kosek MN, Lima AM, Shrestha SK, Chandyo RK, Bhutta Z, Bessong P, Caulfield LE (on behalf of the MAL-ED Network Investigators). Enteric dysfunction and other factors associated with attained size at 5 years: MAL-ED birth cohort study findings. *Am J Clin Nutr.* (2019) 110:131-138.
23. Wenger MJ, Rhoten SE, **Murray-Kolb LE**, Scott SP, Boy E, Gahutu JB, Haas JD. Changes in iron status are related to changes in brain activity and behavior in Rwandan female university students: Results from a randomized controlled efficacy trial involving iron-biofortified beans. *J Nutr.* (2019) 149:687-697.
24. *Ruan-Iu L, Pendergast LL, Rasheed M, Tofail F, Svensen E, Maphula A, Roshan R, Nahar B, Shrestha R, Williams B, Schaefer B, Scharf R, Caulfield LE, Seidman J, **Murray-Kolb LE**. Assessing early childhood fluid reasoning in low- and middle-income nations: Validity of the Wechsler Preschool and Primary Scale of Intelligence across seven MAL-ED sites. *J Psychoeduc Assess.* (2019) doi:10.1177/0734282919850040.
25. Petkus DL, **Murray-Kolb LE**, Scott SP, Southmayd EA, De Souza MJ. Iron status at opposite ends of the menstrual function spectrum. *J Trace Elem Med Biol.* (2019) 51:169-175.
26. Wenger MJ, DellaValle D, **Murray-Kolb LE**, Haas JD. Effect of iron deficiency on simultaneous measures of behavior, brain activity, and energy expenditure in the performance of a cognitive task. *Nutr Neurosci.* (2019) 22:196-206.
27. Tindall AM, Petersen KS, Lamendella R, Shearer GC, **Murray-Kolb LE**, Proctor DN, Kris-Etherton PM. Tree nut consumption and adipose tissue mass: Mechanisms of action. *Curr Dev Nutr.* (2018) 2:nzy069.
28. *Pendergast LL, Schaefer BA, **Murray-Kolb LE**, Svensen E, Shrestha R, Rasheed MA, ScharfRJ, Kosek M, Vasquez AO, Maphula A, Costa H, Rasmussen ZA, Yousafzai A, Tofail F, Seidman JC (on behalf of the MAL-ED Network Investigators). Assessing development across cultures: Invariance of the Bayley-III scales across seven international MAL-ED sites. *SchPsychol Q.* (2018) 33:604-614.
29. **Murray-Kolb LE**. Examining consequences of brain iron deficiency in the absence of anemia. *J Nutr.* (2018) 148:1511-1512. (Invited commentary)
30. *Platts-Mills JA, Liu J, Rogawski ET, Kabir F, Lertsethtakarn P, Sigvas M, Khan SS, Prahara J, Murei A, Nshama R, Mujaga B, Havt A Maciel IA, McMurry TL, Operario DJ, Taniuchi M, Gratz J, Stroup SE, Roberts JH, Kalam A, Aziz F, Qureshi S, Islam MO, Sakpaisal P, Silapong S, Yori PP, Rajendiran R, Benny B, McGrath M, McCormick BJJ, Seidman JC, Lang D, Gottlieb MN, Houpt ER (on behalf of the **MAL-ED Network Investigators**). Use of quantitative molecular diagnostic methods to assess the aetiology, burden, and clinical characteristics of diarrhea in children in low-resource settings: a reanalysis of the MAL-ED cohort study. *Lancet Glob Health.* (2018) 6:e1309-e1318.
31. *Rogawski ET, Liu J, Platts-Mills JA, Kabir F, Lertsethtakarn P, Sigvas M, Khan SS, Prahara J, Murei A, Nshama R, Mujaga B, Havt A Maciel IA, Operario DJ, Taniuchi M, Gratz J, Stroup SE, Roberts JH, Kalam A, Aziz F, Qureshi S, Islam MO, Sakpaisal P, Silapong S, Yori PP, Rajendiran R, Benny B, McGrath M, Seidman JC, Lang D, Gottlieb MN, Guerrant RL, Lima Mduma ER, Iqbal NT, Bhutta ZA, Ahmed T, Haque R, Kang G, Kosek MN, Houpt ER (on behalf of the **MAL-ED Network Investigators**). Use of quantitative molecular diagnostic methods to

- investigate the effect of enteropathogen infections on linear growth in children in low-resource settings: longitudinal analysis of results from the MAL-ED cohort study. *Lancet Glob Health*. (2018) 6:e1319-e1328.
32. ***MAL-ED Network Investigators**. Illness, diet, enteropathogens, and the home environment interact to affect early childhood cognitive development: findings from the MAL-ED multi-country birth cohort study (writing group: **Murray-Kolb LE**, Pendergast LP, Caulfield LE, Schaefer BA, McCormick BJJ). *BMJ Glob Health*. (2018) 3(4):e000752.
 33. Scott SP, **Murray-Kolb LE**, Wenger MJ, Udipi SA, Ghugre PS, Boy E, Haas J. Cognitive performance in Indian school-going adolescents is positively affected by consumption of iron-biofortified pearl millet: A 6-month randomized controlled efficacy trial. *J Nutr*. (2018) 148:1462-1471.
 34. *Scharf RJ, Rogawski ET, **Murray-Kolb LE**, Maphula A, Svensen E, Tofail F, Rasheed M, Abreu C, Vasquez AO, Shrestha R, Pendergast L, Mduma E, Koshy B, Conaway MR, Platts-Mills JA, Guerrant RL, DeBoer MD. Early childhood growth and cognitive outcomes: Findings from the MAL-ED study. *Matern Child Nutr*. (2018) 14:e12584.
 35. Chen-Edinboro LP, **Murray-Kolb LE**, Simonsick EM, Ferrucci L, Allen R, Payne ME, Spira AP. Association between non-iron-deficient anemia and insomnia symptoms in community-dwelling older adults: the Baltimore Longitudinal Study of Aging. *J Gerontol A Biol Sci Med Sci*. (2018) 73:380-385.
 36. ***MAL-ED Network Investigators**. Relationship between growth and illness, enteropathogens and dietary intakes in the first 2 years of life: findings from the MAL-ED birth cohort study. *BMJ Glob Health*. (2017) 2:e000370.
 37. Wenger MJ, **Murray-Kolb LE**, Nevins JEH, Venkatramanan S, Reinhart GA, Haas JD. Consumption of a double-fortified salt affects perceptual, attentional, and mnemonic functioning in women in a randomized control trial in India. *J Nutr*. 2017;147:2297-2308.
 38. **Murray-Kolb LE**, Wenger MJ, Scott SP, Rhoten SE, Lung'aho MG, Haas JD. Consumption of iron-biofortified beans positively affects cognitive performance in 18 – 27 year old Rwandan female college students in an 18-week randomized controlled efficacy trial. *J Nutr*. (2017) 147:2109-2117.
 39. Venkatramanan S, Marquis GS, Neufeld LM, Wenger M, **Murray-Kolb LE**, Reinhart G, Haas JD. Double fortified salt intervention improved iron intake but not energy and other nutrient intakes in female tea plantation workers from West Bengal, India. *Food Nutr Bull*. (2017) 38:369-383.
 40. *Jones PC, Pendergast LL, Schaefer BA, Rasheed M, Svensen E, Scharf R, Shrestha R, Maphula A, Roshan R, Rasmussen Z, Seidman JC, **Murray-Kolb LE**; on behalf of the MAL-ED Network Investigators. Measuring home environments across cultures: Invariance of the HOME scale across eight international sites from the MAL-ED study. *J Sch Psychol*. (2017) 64:109-127.
 41. ***MAL-ED Network Investigators**. Childhood stunting in relation to the pre- and postnatal environment during the first 2 years of life: The MAL-ED longitudinal birth cohort study. *PLoS Med*. (2017) 14:e1002408.
 42. Sekhar DL, **Murray-Kolb LE**, Kunselman AR, Weisman CS, Paul IM. Association between menarche and iron deficiency in non-anemic young women. *PLoS ONE*. (2017) 12:e0177183.
 43. *Pendergast LL, Jones P, Scharf R, Rasheed M, Schaefer BA, **Murray-Kolb LE**, Rasmussen Z,

- Svensen E, Tofail F, Seidman JC, Caulfield LE (on behalf of MAL-ED Network Investigators). Approach temperament across cultures: Validity of the Infant Temperament Scale in the MAL-ED. *Int J Sch Educ Psychol.* (2017) 6:266-278.
44. Sekhar DL, **Murray-Kolb LE**, Schaefer EW, Paul IM. Risk-based questionnaires fail to detect adolescent iron deficiency and anemia. *J Pediatr.* (2017) 187:194-199.
45. *Kosek MN; **MAL-ED Network Investigators**. Causal pathways from enteropathogens to environmental enteropathy: Findings from the MAL-ED birth cohort study. *EBioMedicine.* (2017) 18:109-117.
46. Petkus DL, **Murray-Kolb LE**, De Souza MJ. The unexplored crossroads of the female athlete triad and iron deficiency: A narrative review. *Sports Med.* (2017) 47:1721-1737.
47. Scott SP, De Souza MJ, Koehler K, **Murray-Kolb LE**. Combined iron deficiency and low aerobic fitness doubly burden academic performance among women attending university. *J Nutr.* (2017) 147:104-109. (This article was chosen for a featured “write-up” by the journal.)
48. *Amour C, Gratz J, Mduma E, Svensen E, Rogawski ET, McGrath M, Seidman JC, McCormick BJ, Shrestha S, Samie A, Mahfuz M, Qureshi S, Hotwani A, Babji S, Trigoso DR, Lima AA, Bodhidatta L, Bessong P, Ahmed T, Shakoor S, Kang G, Kosek M, Guerrant RL, Lang D, Gottlieb M, Houpt ER, Platts-Mills JA; Etiology, Risk Factors, and Interactions of Enteric Infections and Malnutrition and the Consequences for Child Health and Development Project (**MAL-ED**) **Network Investigators**. Epidemiology and impact of Campylobacter infection in children in 8 low-resource settings: Results from the MAL-ED study. *Clin Infect Dis.* (2016) 63:1171-1179.
49. *Ambikapathi R, Kosek M, Lee G, Mahopo C, Patil CL, Maciele BL, Turab A, Turab A, Munirul Islam M, Ulak M, Bose A, Paredes Olortegui M, Pendergast LL, **Murray-Kolb LE**, Lang D, McCormick BJJ, Caulfield LE. How multiple episodes of exclusive breastfeeding impact estimates of exclusive breastfeeding duration: Report from the eight-site MAL-ED birth cohort study. *Matern Child Nutr.* (2016) 12:740-756.
50. Haas JD, Luna SV, Lung’aho MG, Wenger MJ, **Murray-Kolb LE**, Beebe S, Gahuto JB, Egli IM. Consuming iron biofortified beans increases iron status in Rwandan women after 128 days in a randomized controlled feeding trial. *J Nutr.* (2016) 146:1586-1592.
51. Scott SP, De Souza MJ, Koehler K, Petkus DL, **Murray-Kolb LE**. Cardiorespiratory fitness is associated with better executive function in young women. *Med Sci Sports Exerc.* (2016) 48:1994-2002.
52. *Oriá RB, **Murray-Kolb LE**, Rasmussen Z, Scharf R, Kolling G, Guerrant RL. Early-life enteric infections: Relation between chronic systemic inflammation and poor cognition in children. *Nutr Rev.* (2016) 74:374-386.
53. Sekhar DL, **Murray-Kolb LE**, Kunselman AR, Paul IM. Differences in risk factors for anemia between adolescent and adult women. *J Womens Health.* (2016) 25:505-513.
54. *Rouhani S, Yori P, Paredes Olortegui M, Siguas Salas M, Rengifo Trigoso D, Mondal D, Bodhidatta L, Platts-Mills J, Samie A, Kabir F, Lima A, Babji S, Mason CJ, Kalam A, Bessong P, Ahmed T, Mduma E, Bhutta ZA, Lima I, Ramdass R, Lang D, George A, Zaidi AK, Kang G, Houpt E, Kosek MN (on behalf of the **MAL-ED Network Investigators**). Norovirus infection and acquired immunity in 8 countries: Results from the MAL-ED study. *Clin Infect Dis.* (2016) 62:1210-1217.

55. Raiten DJ, Neufeld LM, De-Regil L, Pasricha S, Darnton-Hill I, Hurrell R, **Murray-Kolb LE**, Nair KM, Wefwafwa T, Kupka R, Phall MC, Sakr Ashour FA. Integration to implementation and the Micronutrient Forum: A coordinated approach for global nutrition. Case study application: Safety and effectiveness of iron interventions. *Adv Nutr.* (2016) 7:135-148.
56. **Scott SP** and **Murray-Kolb LE**. Iron status is associated with performance on executive function tasks in nonanemic young women. *J Nutr.* (2016) 146:30-37.
57. *Platts-Mills JA, Babji S, Bodhidatta L, Gratz J, Haque R, Havt A, McCormick BJ, McGrath M, Olortegui MP, Samie A, Shakoor S, Mondal D, Lima IF, Hariraju D, Rayamajhi BB, Qureshi S, Kabir F, Yori PP, Mufamadi B, Amour C, Carreon JD, Richard SA, Lang D, Bessong P, Mduma E, Ahmed T, Lima AA, Mason CJ, Zaidi AK, Bhutta ZA, Kosek M, Guerrant RL, Gottlieb M, Miller M, Kang G, Houpt ER (on behalf of the **MAL-ED Network Investigators**). Pathogen-specific burdens of community diarrhoea in developing countries: a multisite birth cohort study (MAL-ED). *Lancet Glob Health.* (2015) 3:e564-e575.
58. **Sekhar DL**, **Murray-Kolb LE**, Kunselman AR, Paul IM. Identifying factors predicting iron deficiency in United States adolescent females using the ferritin and the body iron models. *Clin Nutr ESPEN.* (2015) 10:e118-e123.
59. Finkelstein JL, Mehta S, Udipi S, Ghugre P, Luna SV, Wenger MJ, **Murray-Kolb LE**, Przybyszewski E, Haas JD. A randomized trial of iron-biofortified pearl millet in school children in India. *J Nutr.* (2015) 145:1576-1581.
60. Jaganath D, Khattry SK, **Murray-Kolb LE**, LeClerq SC, Christian P. The role of pre-primary classes on school-age cognition in rural Nepal. *J Pediatr.* (2015) 166:717-722.
61. **Sekhar DL**, **Murray-Kolb LE**, Wang L, Kunselman AR, Paul IM. Adolescent anemia screening during ambulatory pediatric visits in the United States. *J Community Health.* (2015) 40:331-338.
62. **Carlson GJ**, Kordas K, **Murray-Kolb LE**. Associations between women's autonomy and child nutritional status: a review of the literature. *Matern Child Nutr.* (2015) 11:452-482.
63. **Scott SP**, **Chen L**, Caulfield LE, **Murray-Kolb LE**. The impact of anemia on child mortality: an updated review. *Nutrients.* (2014) 6:5915-5932.
64. Pendergast LL, Vandiver BJ, Cole PM, Schaefer BA, **Murray-Kolb LE**, Khattry SK, Christian P. Factor structure of scores from the Conners' Rating Scales-Revised among Nepali children. *Int J Sch Educ Psychol.* (2014) 24:261-270.
65. De Moura FF, Palmer AC, Finkelstein JL, Haas JD, **Murray-Kolb LE**, Wenger MJ, Birol E, Boy E, Peña-Rosas JP. Are biofortified staple food crops improving Vitamin A and iron status in women and children? New evidence from efficacy trials. *Adv Nutr.* (2014) 5:568-570.
66. *Hoest C, Seidman JC, Pan W, Ambikapathi R, Kang G, Kosek M, Knobler S, Mason CJ, Miller M (on behalf of the **MAL-ED Network Investigators**). Evaluating associations between vaccine response and malnutrition, gut function, and enteric infections in the MAL-ED cohort study: methods and challenges. *Clin Infect Dis.* (2014) 59 Suppl 4:S273-S279.
67. ***Murray-Kolb LE**, Rasmussen ZA, Scharf RJ, Rasheed MA, Svensen E, Seidman JC, Tofail F, Koshy B, Shrestha R, Maphula A, Vasquez AO, da Costa HP, Yousafzai AK, Oria RB, Roshan R, Bayyo EB, Kosek M, Shrestha S, Schaefer BA, Bessong P, Ahmed T, Lang D (on behalf of the MAL-ED Network Investigators). The MAL-ED cohort study: Methods and lessons learned when assessing early child development and caregiving mediators in infants and young children

- in 8 low- and middle-income countries. *Clin Infect Dis.* (2014) 59 Suppl 4:S261-S272.
68. *Richard SA, McCormick BJ, Miller MA, Caulfield LE, Checkley W (on behalf of the **MAL-ED Network Investigators**). Modeling environmental influences on child growth in the MAL-ED cohort study: opportunities and challenges. *Clin Infect Dis.* (2014) 59 Suppl 4:S255-S260.
69. *Caulfield LE, Bose A, Chandyo RK, Nesamvuni C, de Moraes ML, Turab A, Patil C, Mahfuz M, Ambikapathi R, Ahmed T (on behalf of the **MAL-ED Network Investigators**). Infant feeding practices, dietary adequacy, and micronutrient status measures in the MAL-ED study. *Clin Infect Dis.* (2014) 59 Suppl 4:S248-S254.
70. *Kosek M, Guerrant RL, Kang G, Bhutta Z, Yori PP, Gratz J, Gottlieb M, Lang D, Lee G, Haque R, Mason CJ, Ahmed T, Lima A, Petri WA, Houpt E, Olortegui MP, Seidman JC, Mduma E, Samie A, Babji S (on behalf of the **MAL-ED Network Investigators**). Assessment of environmental enteropathy in the MAL-ED cohort study: theoretical and analytic framework. *Clin Infect Dis.* (2014) 59 Suppl 4:S239-S247.
71. *Platts-Mills JA, McCormick BJ, Kosek M, Pan WK, Checkley W, Houpt ER (on behalf of the **MAL-ED Network Investigators**). Methods of analysis of enteropathogen infection in the MAL-ED Cohort Study. *Clin Infect Dis.* (2014) 59 Suppl 4:S233-S238.
72. *Houpt E, Gratz J, Kosek M, Zaidi AK, Qureshi S, Kang G, Babji S, Mason C, Bodhidatta L, Samie A, Bessong P, Barrett L, Lima A, Havt A, Haque R, Mondal D, Taniuchi M, Stroup S, McGrath M, Lang D (on behalf of the **MAL-ED Network Investigators**). Microbiologic methods utilized in the MAL-ED cohort study. *Clin Infect Dis.* (2014) 59 Suppl 4:S225-S232.
73. *Richard SA, Barrett LJ, Guerrant RL, Checkley W, Miller MA (on behalf of the **MAL-ED Network Investigators**). Disease surveillance methods used in the 8-site MAL-ED cohort study. *Clin Infect Dis.* (2014) 59 Suppl 4:S220-S224.
74. ***MAL-ED Network Investigators**. The MAL-ED Study: A multinational and multidisciplinary approach to understand the relationship between enteric pathogens, malnutrition, gut physiology, physical growth, cognitive development, and immune responses in infants and children up to 2 years of age in resource-poor environments. *Clin Infect Dis* (2014) 59 Suppl 4:S193-S206.
75. *Pendergast LL, Scharf RJ, Rasmussen ZA, Seidman JC, Schaefer BA, Svensen E, Tofail F, Koshy B, Kosek M, Rasheed MA, Roshan R, Maphula A, Shrestha R, **Murray-Kolb LE** (on behalf of the MAL-ED Network Investigators). Postpartum depressive symptoms across time and place: structural invariance of the Self-Reporting Questionnaire among women from the international, multi-site MAL-ED study. *J Affect Disord.* (2014) 167:178-186.
76. Haas JD, Rahn M, Venkatramanan S, Marquis GS, Wenger MJ, **Murray-Kolb LE**, Wesley AS, Reinhart GA. Double fortified salt is efficacious in improving indicators of iron deficiency in female Indian tea pickers. *J Nutr.* (2014) 144:957-964.
77. Christian P, **Murray-Kolb LE**, Tielsch JM, Katz J, LeClerq SC, Khatri SK. Associations between preterm birth, small-for-gestational age, and neonatal morbidity and cognitive function among school-age children in Nepal. *BMC Pediatrics.* (2014) 14:58.
78. Patel S, **Murray-Kolb L**, LeClerq S, Khatri S, Tielsch J, Katz J, Christian P. Household wealth and neurocognitive development disparities among school-aged children in Nepal. *Paediatr Perinat Epidemiol.* (2013) 27:575-586.
79. McClung JP and **Murray-Kolb LE**. Iron nutrition and premenopausal women: Effects of poor

- iron status on neuropsychological and physical performance. *Annu Rev Nutr.* (2013) 33:271-288. (Invited article)
80. **Murray-Kolb LE.** Iron and brain functions. *Curr Opin Clin Nutr Metab Care.* (2013) 16:703-707. (Invited article)
81. **Murray-Kolb LE.** Iron supplementation in early life and child health. *Lancet Glob Health.* (2013) 1:e56-e57. (Invited article)
82. **Buckley GJ, Murray-Kolb LE, Khattry SK, LeClerq SC, Wu L, West KP Jr, Christian P.** Cognitive and motor skills in school-aged children following maternal vitamin A supplementation during pregnancy in rural Nepal: A follow-up of a placebo-controlled, randomized cohort. *BMJ Open.* (2013) May 9: 3(5).
83. **Murray-Kolb LE, Khattry SK, Schaefer B, Cole PM, Katz J, LeClerq S, Tielsch JM, Christian P.** Preschool micronutrient supplementation effects on intellectual and motor function in school-aged Nepalese children. *Arch Pediatr Adolesc Med.* (2012) 166:404-410.
84. Krafft A, **Murray-Kolb L,** Milman N. Anemia and iron deficiency in pregnancy. *J Pregnancy.* (2012) Volume 2012 Article ID 241869, 1 page editorial. (I was a guest editor for this Special Issue of the journal)
85. Pemberton Roben CK, Bass AJ, Moore GA, **Murray-Kolb L,** Tan PZ, Gilmore RO, Buss KA, Cole PM, Teti LO. Let Me Go: The Influences of Crawling Experience and Temperament on the Development of Anger Expression. *Infancy.* (2012) 17:558-577.
86. Christian P, Morgan M, **Murray-Kolb L,** LeClerq S, Khattry S, Schaefer B, Cole P, Katz J, Tielsch J. Preschool iron-folic acid and zinc supplementation in children exposed to iron-folic acid in utero confers no added cognitive benefit in early school-age. *J Nutr.* (2011) 141:2042-2048.
87. **Murray-Kolb LE.** Iron status and neuropsychological consequences in women of reproductive age: What do we know and where are we headed? *J Nutr.* (2011) 141:747S-755S.
88. Christian P, **Murray-Kolb LE,** Khattry SK, Katz J, Schaefer BA, Cole PM, LeClerq SC, Tielsch JM. Prenatal micronutrient supplementation and intellectual and motor function in early school-aged children in Nepal. *JAMA.* (2010) 304:2716-2723.
89. Osendarp SJM, **Murray-Kolb LE,** Black MM. Case study on iron in mental development- In memory of John Beard (1947-2009). *Nutr Rev.* (2010) 68:S48-S52.
90. **Murray-Kolb LE** and Beard JL. Iron deficiency and child and maternal health. *Am J Clin Nutr.* (2009) 89:946S-950S.
91. Grieger JA, Haas JD, **Murray-Kolb LE,** Kris-Etherton P, Beard JL. Nutrient adequacy and food group consumption of Filipino novices and religious sisters over a nine month period. *Asia Pac J Clin Nutr.* (2008) 17:566-572.
92. BeLue R, Schreiner AS, Taylor-Richardson K, **Murray-Kolb LE,** Beard JL. What matters most: an investigation of predictors of perceived stress among young mothers in Khayelitsha. *Health Care Women Int.* (2008) 6:638-648.
93. Beard JL, **Murray-Kolb LE,** Haas JD, Lawrence F. Iron absorption prediction equations lack agreement and underestimate iron absorption. *J Nutr.* (2007) 137:1741-1746.

94. Beard JL, **Murray-Kolb LE**, Lawrence F, Felix A, del Mundo A, Haas JD. Variation in the diets of Filipino women over 9 months of continuous observation. *Food Nutr Bull.* (2007) 28:206-214.
95. **Murray-Kolb LE** and Beard JL. Iron treatment normalizes cognitive functioning in young women. *Am J Clin Nutr.* (2007) 85:778-787.
96. Beard JL, **Murray-Kolb LE**, Haas JD, Lawrence F. Iron absorption: comparison of prediction equations and reality. Results from a feeding trial in the Philippines. *Int J Vitam Nutr Res.* (2007) 77:199-204.
97. Unger EL, Paul T, **Murray-Kolb LE**, Felt B, Jones BC, Beard JL. Early iron deficiency alters sensorimotor development and brain monoamines in rats. *J Nutr.* (2007) 137:118-124.
98. Beard JL, **Murray-Kolb LE**, Rosales F, Solomons NW, Angelilli ML. Interpretation of serum ferritin concentrations as indicators of total-body iron stores in survey populations: the role of biomarkers for the acute phase response. *Am J Clin Nutr.* (2006) 84:1498-1505.
99. Burhans MS, Dailey C, Wiesinger J, **Murray-Kolb LE**, Jones BC, Beard JL. Iron deficiency affects acoustic startle response and latency, but not prepulse inhibition in young adult rats. *Physiol Behav.* (2006) 87:917-924.
100. Haas JD, Beard JL, **Murray-Kolb LE**, del Mundo A, Felix A, Gregorio G. Iron-biofortified rice improves iron stores of non-anemic Filipino women. *J Nutr.* (2005) 135:2823-2830.
101. Perez EM, Hendricks MK, Beard JL, **Murray-Kolb LE**, Berg A, Tomlinson M, Irlam J, Isaacs W, Njengele T, Sive A, Vernon-Feagans L. Mother-infant interactions and infant development are altered by maternal iron deficiency anemia. *J Nutr.* (2005) 135:850-855.
102. Beard JL, Hendricks MK, Perez EM, **Murray-Kolb LE**, Berg A, Vernon-Feagans L, Irlam J, Isaacs W, Sive A, Tomlinson M. Maternal iron deficiency anemia affects postpartum emotions and cognition. *J Nutr.* (2005) 135:267-272.
103. Burhans MS, Dailey C, Beard Z, Wiesinger J, **Murray-Kolb L**, Jones BC, Beard JL. Iron deficiency: Differential effects on monoamine transporters. *Nutr Neurosci.* (2005) 8:31-38.
104. Schumann K, Romero-Abal ME, Mäurer A, Luck T, Beard J, **Murray-Kolb L**, Bulux J, Mena I, Solomons NW. Haematological response to haem iron or ferrous sulphate mixed with refried black beans in moderately anaemic Guatemalan pre-school children. *Public Health Nutr.* (2005) 8:572-581.
105. **Murray-Kolb LE** and Beard JL. Iron status and cognitive performance. *Nutrition & the M.D. News Bites.* (2003) B160-167.
106. Corwin EJ, **Murray-Kolb LE**, Beard JL. Low hemoglobin level is a risk factor for postpartum depression. *J Nutr.* (2003) 133:4139-4142.
107. **Murray-Kolb LE**, Welch R, Theil EC, Beard JL. Women with low iron stores absorb iron from soybeans. *Am J Clin Nutr.* (2003) 77:180-184.
108. Derstine JL, **Murray-Kolb LE**, Yu-Poth S, Hargrove RL, Kris-Etherton PM, Beard JL. Iron status in association with cardiovascular disease risk in three controlled feeding studies. *Am J Clin Nutr.* (2003) 77:56-62.
109. **Murray-Kolb LE**, Takaiwa F, Goto F, Yoshihara T, Theil EC, Beard JL. Transgenic rice is a

source of iron for iron-depleted rats. *J Nutr.* (2002) 132:957-960.

110. **Murray-Kolb LE**, Beard JL, Joseph LJ, Davey SL, Evans WJ, Campbell WW. Resistance training affects iron status in older men and women. *Int J Sport Nutr Exerc Metab.* (2001) 11:287-298.
111. Picciano MF, Smiciklas-Wright H, Birch LL, Mitchell DC, **Murray-Kolb L**, McConahy KL. Nutritional guidance is needed during dietary transition in early childhood. *Pediatrics.* (2000) 106: 109-114.

Works under Peer Review

112. Dou N, Shakya E, Ngoutane RM, Garnier D, Le Dain AS, Garg A, Kodish SR, Caulfield LE, **Murray-Kolb LE**, Na M. Promising trends and influencing factors of complementary feeding practices in Cote d'Ivoire: An analysis of national representative survey data between 1994-2016. Under review: *Maternal and Child Nutrition* (Submitted April 2022)
113. Dou N, **Murray-Kolb LE**, Mitchell DC, Melgar-Quinonez H, Na M. Food insecurity and mental wellbeing in immigrants: A global analysis. Under Review: *Am J Prev Med* (Submitted November 2021; Revised and Resubmitted February 2022)
114. Edwards B, Schaefer E, **Murray-Kolb LE**, Daymont C. Evaluation of income and food insecurity as risk factors for failure to thrive: an analysis of national survey data. Under Review: *Clin Pediatr* (Submitted January 2022)
115. Pobee RA, Setorglo J, Klevor M, **Murray-Kolb LE**. High levels of depressive symptoms and low quality of life are reported during pregnancy in Cape Coast, Ghana. Under review: *BMC Public Health* (Revised and Resubmitted March 2022)
116. Wenger MJ, **Murray-Kolb LE**, Scott SP, Boy E, Haas JD. Modeling relationships between iron status, behavior, and brain electrophysiology: Evidence from a randomized study involving a biofortified grain in Indian adolescents. Under Review: *BMC Public Health* (Submitted December 2021; currently being revised for resubmission)
117. *Nahar B, Alam MA, Haque A, Mahfuz M, Shrestha R, Koshy B, Mohan VR, **Murray-Kolb LE**, Pan WK, Ahmed T. Effect of early life exposure to lead on cognitive function of children at 60 months of age: evidence from MAL-ED birth cohort study. Under Review: *Environmental Health Perspectives* (Submitted October 2019)
118. English L, Pendergast LL, Hamadani JD, Tofail F, **Murray-Kolb LE**. Psychometric properties of the CES-D in rural Bangladesh. Revise and resubmit: *Asian J Psychiatr.*

Works in Progress

1. Ciulei MA and **Murray-Kolb LE**. Iron deficiency is related to depressive symptoms in US non-pregnant women of reproductive age: A cross-sectional analysis of NHANES 2005 – 2010. In preparation for *J Nutr.*
2. *Doggui R, McCormick BJJ, Caulfield LE, Schulze KJ, **Murray-Kolb LE**. Adequacy of iodine status and associations with gut health: A prospective cohort study among infants in eight low- and middle-income countries. In preparation for *Thyroid.*

3. Ciulei MA, Hamadani J, Black RE, **Murray-Kolb LE**. Maternal and infant iron status are related to mother-infant interactions. In preparation for *Matern Child Nutr*.
4. Pobee RA, Ciulei MA, Scott SP, **Murray-Kolb LE**. Impact of iron-biofortified bean consumption on reasoning ability, depression, fatigue, and work drive: A 5-month randomized controlled efficacy trial in Rwandan university-aged females. In preparation for *J Nutr*.
5. Scott SP, Myshko C, De Souza MJ, Koehler K, Petkus DL, **Murray-Kolb LE**. Limited accuracy of non-exercise equations in predicting aerobic fitness of young adult women. In preparation for *Int J Sports Physiol Perform*.
6. Chen-Edinboro L, Patel K, **Murray-Kolb LE**. The optimal method to characterize iron status in elderly individuals differs from the traditional method: Considerations of inflammation and age in InCHIANTI. In preparation for *Am J Public Health*.

Non-Peer Reviewed Articles

1. Beard JL and **Murray-Kolb LE**. Iron and cognitive performance. In *Mineral Requirements for Military Personnel: Levels Needed for Cognitive and Physical Performance During Garrison Training*. Institute of Medicine of the National Academies. Washington, DC: The National Academies Press (2006) B160 – B167. (Invited article)
2. **Murray-Kolb LE** and Beard JL. Iron status and cognitive performance. *Nutrition & the M.D.* (2003) 29:1-4. (Invited article)

Invited Book Chapters

1. **Murray-Kolb LE** and Arcot A. An overview of the functional significance of iron deficiency (cognitive, behavioural). In *Nutritional Anemia*, 2nd edition. Edited by Crystal D Karakochuk, Michael B Zimmermann, Diego Moretti, and Klaus Kraemer. New York, NY: Springer Publishing Company (2021).
2. Christian P and **Murray-Kolb LE**. Nutrient interactions and multiple-micronutrient supplementation. In *Nutrition and the Developing Brain*. Edited by Victoria Hall Moran. CRC Press (Taylor & Francis Group) (2016) 205-238.
3. **Murray-Kolb LE**. Cognitive and behavioral consequences of iron deficiency in women. In *Micronutrients and Brain Health*. Edited by Lester Packer, Helmut Sies, Manfred Eggersdorfer and Enrique Cadenas. Boca Raton, FL: CRC Press (2010) 79-92.
4. **Murray-Kolb LE** and Beard JL. Iron. In *Encyclopedia of Dietary Supplements*. Edited by Paul Coates, Joseph M Betz, Marc R Blackman, Gordon Cragg, Mark Levine, Joel Moss, Jeffrey D White. London, UK: Informa Healthcare; 2nd edition (2010) 432-438.

RESEARCH GRANT PARTICIPATION

Active Grants:

Title: Anthropometric, neurocognitive and neuro-radiological profile of children in an urban slum birth

cohort

Principal Investigator: Koshy, B

Source of Funding: Wellcome Trust/DBT India Alliance

Total Amount Requested: \$288,660 Start Date: 9/1/2020

End Date: 8/31/2025

Role: Mentor and External Sponsor

Percent Effort: donated

Title: MAL-ED: management, analysis and publication of 0-24 and 25-60 month data (anthropometry and cognitive development), Supplemental Funding

Principal Investigator: **Murray-Kolb LE**

Source of Funding: John E. Fogarty International Center

Total Award Amount: \$210,976 Start Date: 1/1/2019

End Date: 12/31/2023

Role: PI

Percent Effort: 5%

Title: Designing and implementing a maternal iron deficiency and anemia control strategy in India using a social norms approach and a Self-Help Groups (SHGs) platform

Principal Investigator: Rimal, R

Source of Funding: Bill and Melinda Gates Foundation

Total Award Amount: \$4,000,000 Start Date: 1/1/2018

End Date: 05/15/2021

Role: Consultant

Percent Effort: 10%

Title: MAL-ED: management, analysis and publication of 0-24 and 25-60 month data (anthropometry and cognitive development)

Principal Investigator: Glass, R

Source of Funding: Bill and Melinda Gates Foundation

Total Award Amount: \$2,999,273 Start Date: 2015

End Date: 12/31/2023

Role: co-Investigator

Percent Effort: 25%

Completed Grants:

Title: Regional landscape analysis of trends and predictors of young children's diets and the potential of locally produced complementary foods in selected countries in UNICEF's West and Central Africa Region (WCAR)

Principal Investigator: Na, M, **Murray-Kolb LE**, and Kodish S

Source of Funding: United Nations International Children's Emergency Fund (UNICEF)

Total Award Amount: \$142,372 Start Date: 7/1/2019

End Date: 11/30/2020

Role: co-PI

Percent Effort: 10%

Title: The dynamics of food insecurity as they relate to health and inflammation in low-income rural adults

Principal Investigator: Na, M

Source of Funding: Clinical and Translational Sciences Institute

Total Award Amount: \$50,000 Start Date: 9/1/2018

End Date: 6/30/2020

Role: co-Investigator

Percent Effort: donated

Title: Iron deficiency in children with failure to thrive

Principal Investigator: Daymont, C

Source of Funding: Children's Miracle Network

Total Award Amount: \$40,000 Start Date: 7/1/2018

End Date: 6/30/2019

Role: co-Investigator

Percent Effort: donated

Title: Brain iron content during deficiency and repletion: Its relation to behavioral and brain states and systemic and brain iron status

Principal Investigator: **Murray-Kolb, LE** and Wenger, MJ

Source of Funding: Social Sciences Research Institute, Penn State

Total Award Amount: \$35,100

Start Date: 2009

End Date: 2011

Role: co-PI

Percent Effort: donated

Title: Brain iron content during deficiency and repletion: Its relation to systemic status, iron stores, and behavioral outcome measures

Principal Investigator: **Murray-Kolb, LE** and Wenger, MJ

Source of Funding: Clinical and Translational Science Institute (CTSI)

Total Award Amount: \$49,727

Start Date: 2009

End Date: 2011

Role: co-PI

Percent Effort: donated

Title: Influence of iron and zinc supplementation on child development

Principal Investigator: **Murray-Kolb, LE**

Source of Funding: USAID

Total Award Amount: \$85,700

Start Date: 2007

End Date: 2008

Role: PI

Percent Effort: 15%

Title: Antenatal and preschool iron and zinc use and cognition

Principal Investigator: Christian, P

Source of Funding: NIH/NICHHD (1 RO1)

Total Award Amount: \$1,743,660

Start Date: 2006

End Date: 2011 (after extension)

Role: co-Investigator

Percent Effort: 15%

Title: The onset of locomotion: A setting event in early development across multiple domains

Principal Investigator: **Murray-Kolb, LE** and Gilmore, RO

Source of Funding: Children, Youth and Families Consortium, Penn State

Total Award Amount: \$19,975

Start Date: 2005

End Date: 2007

Role: co-PI

Percent Effort: donated

Title: The effects of iron status on mother-child interaction in the first year of life

Principal Investigator: **Murray-Kolb, LE**

Source of Funding: Children, Youth and Families Consortium, Penn State

Total Award Amount: \$5,660

Start Date: 2004

End Date: 2005

Role: PI

Percent Effort: donated

PRESENTATIONS

(I was the presenter unless otherwise noted)

Invited Talks, Colloquia, and Workshops

Oct 6, 2020 *Assessing Iron Status in the Face of Inflammation (using the example of malaria)*. Food as Medicine Initiative, Penn State College of Medicine, University Park, PA.

Jul 23, 2020 *Neuropsychological Consequences of Iron Deficiency: Moving Beyond Anemia*. Department of Nutrition Science, Purdue University, West Lafayette, IN (delivered via

WebEx)

- Feb 26, 2020 *Neuropsychological Consequences of Maternal and Child Iron Deficiency*. Pediatric Grand Rounds, WellSpan Health/York Hospital, York, PA.
- Dec 9, 2019 *Nutrition, Illness, and Infection Interact to Influence Child Cognitive Development*. One Health Workshop: Infection and Nutrition, The Pennsylvania State University, University Park, PA. (Invited Workshop Speaker)
- Sep 10, 2019 *Iron Deficiency, Beyond Anemia*. Pediatric Grand Rounds, Penn State Health Children's Hospital, Hershey, PA.
- Sep 6, 2019 Workshop on Graduate Program Diversity: Using Holistic Review of Admissions. The Graduate School, The Pennsylvania State University, University Park, PA. (Invited Workshop Participant)
- Oct 15-19, 2018 MAL-ED Manuscripts Workshop II organized by the Fogarty International Center (FIC) of the U.S. National Institutes of Health (NIH). Venice, Italy. (Invited Workshop Speaker): *How to Give Scientific Presentations*
- Sep 7, 2018 Workshop on Recruiting Underrepresented and Minority Graduate Students: The Recruiting, Review, and Admission Process. The Graduate School, The Pennsylvania State University, University Park, PA. (Invited Workshop Participant)
- Jul 23-27, 2018 MAL-ED Manuscripts Workshop I organized by the Fogarty International Center (FIC) of the U.S. National Institutes of Health (NIH). Athens, Greece. (Invited Workshop Speaker for two sessions): 1) *Scientific Writing*; 2) *The Submission Process and Responding to Peer Review*
- Jun 18, 2018 *Iron and Cognition: Using new techniques to assess the impact of food-based iron interventions on memory, attention and other brain functions*. Seminar organized by HarvestPlus and IFPRI, Washington, DC (Invited Speaker for two presentations): 1) *Iron and the brain*; 2) *Consumption of iron-biofortified beans positively affects cognitive performance in 18- to 27-year-old Rwandan female college students*
- Apr 25, 2018 Faculty Speaker. Senior Graduation Reception, Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA. (Invited Guest Speaker)
- Mar 5-9, 2018 *MAL-ED 60 Month Data Analysis and Interpretation of the Findings: Finalizing Development of Related Scientific Manuscripts*. Fogarty International Center (FIC) of the U.S. National Institutes of Health (NIH), Bethesda, MD. (Invited Speaker for two presentations): 1) *60-Month Cognitive Development Data Analysis, Findings, and Preliminary Key Messages*; 2) *Final Updated Presentation and Discussion of 60-Month Cognitive Results and Key Messaging*.
- Dec 6-7, 2017 ASN Vision 2028 Summit. American Society for Nutrition, Washington DC. (Invited Participant)
- Nov 3, 2017 *Looking at iron through the lens of the mother-child dyad*. 2017 NIH Maternal and Child Nutrition (MCN) Seminar Trainees Invited Speaker, Division of Nutritional Sciences, Cornell University, Ithaca, NY.

- Oct 1-4, 2017 Grand Challenges Annual Meeting, Washington, DC. (Invited Domain Expert)
- Sep 27, 2017 *Neuropsychological consequences of iron deficiency*. Seminar series on Food Insecurity, Food Assistance, and the Biological Consequences of Malnutrition. Division of Nutritional Sciences and International Food Security at Illinois (IFSI), University of Illinois, Urbana-Champaign, IL.
- Sep 7, 2017 *Updates on cognitive testing and analyses*. MAL-ED TAC Final Investigators Meeting, Tokyo, Japan. (Presentation given by teleconference)
- Aug 28-30, 2017 MAL-ED Data Meeting: Data Use, Access and Release. Organized by the Fogarty International Center (FIC) of the U.S. National Institutes of Health (NIH). Philadelphia, PA. (Invited Participant)
- Jul 3-7, 2017 MAL-ED Dietary Data: Methods, Analysis and Interpretation Workshop organized by the Fogarty International Center (FIC) of the U.S. National Institutes of Health (NIH). Kathmandu, Nepal. (Invited Workshop Speaker for two sessions): 1) *Micronutrient Status Indicators, Data Quality Assurance* and 2) *Putting Together an Analysis: Micronutrient Status as Dependent/Independent Variable*
- Mar 23, 2017 *Towards holism: Research and interventions in addressing and improving global maternal and child health*. Global Health Initiatives, University of South Carolina, Columbia, SC.
- Mar 9, 2017 *Iron status and neuropsychological functioning in women and children*. Nutritional Neuroscience: The Metal in Your Head (Presidential Dream Course), The University of Oklahoma, Norman, OK.
- Feb 25, 2017 *The global reach of Penn State Nutritional Sciences Research*. Penn State Nutrition and Dietetics Alumni Society Brunch, University Park, PA.
- Dec 1-5, 2016 MAL-ED statistical and analytical workshop organized by the Fogarty International Center (FIC) of the U.S. National Institutes of Health (NIH). Arusha, Tanzania. (Invited Workshop Speaker for two sessions): 1) *Introduction to Analysis of Cognitive Data* and 2) *Writing for Publication*
- Oct 24-28, 2016 Grand Challenges Annual Meeting and Healthy Birth, Growth and Development Knowledge Integration Community Convening. London, England. (Invited Domain Expert and Discussant)
- Oct 14, 2016 *Micronutrient deficiencies among women and children*. Healthy People Penn State 2016, College of Health and Human Development, The Pennsylvania State University, University Park, PA.
- Sep 26, 2016 *Neuropsychological consequences of iron deficiency in mothers and children*. Department of Nutritional Sciences Colloquium Series, The Pennsylvania State University, University Park, PA.
- May 11, 2016 *Neuropsychological consequences of iron deficiency in mothers and children*. Department of International Health, Program in Human Nutrition, Johns Hopkins

Bloomberg School of Public Health, Baltimore, MD.

- Apr 19-22, 2016 Healthy Birth, Growth and Development Knowledge Integration April Workshop. Bill and Melinda Gates Foundation, Seattle, WA. (Invited Domain Expert)
- Mar 21, 2016 *Neuropsychological and neurophysiological consequences of iron deficiency in women and children*. Department of Nutrition, UC Davis, Davis, CA.
- Feb 10, 2016 The MAL-ED Lancet Bundle Meeting. FASEB Beaumont Campus, Bethesda, MD. (Invited Manuscript Lead)
- May 28-29, 2015 *The associations of early life infection and malnutrition on child cognitive development at 24 months of age: findings from the MAL-ED study*. Third Meeting of the Scientific Advisory Committee for Data Analyses and Presentation (SACDAP) of MAL-ED, May 28-29, 2015, Bill & Melinda Gates Foundation, Seattle, WA.
- May 8-9, 2015 Iron and Malaria Taskforce Meeting. Joint taskforce between International Union of Nutrition Sciences, Micronutrient Forum and NIH, May 8-9, 2015, Bethesda, MD. (Member of the Taskforce)
- May 4-8, 2015 Iron Week. National Institutes of Health, May 4-8, 2015, Bethesda, MD. (Invited Participant)
- Apr 22, 2015 Faculty Speaker. Senior Graduation Reception, Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA (Invited Guest Speaker)
- Jan 26-27, 2015 *Cognitive Development: Data collected, psychometrics, and 24-month analyses*. Second Meeting of the Scientific Advisory Committee for Data Analyses and Presentation (SACDAP) of MAL-ED, January 26-27, 2015, London, UK.
- Dec 4, 2014 *MAL-ED cognitive development overview of data and data transformation, planned analyses and results to date*. MAL-ED Data Analysis and Manuscript Development Workshop, December 2-4, 2014, Herndon, VA.
- Oct 11-12, 2014 *Affective Variables: What Did We Collect and How Can We Best Use Them?* 2nd Annual HarvestPlus Pearl Millet and Beans Workshop, October 11-12, 2014, Ithaca, NY.
- Jul 23-24, 2014 First Meeting of the Scientific Advisory Committee for Data Analyses and Presentation (SACDAP) of MAL-ED, July 23-24, 2014, Seattle, WA. (Invited Participant)
- Jul 14-19, 2014 MAL-ED Cognitive Development Training. Hands-on training for all cognitive assessments to be administered at 5 years of age, July 14-19, 2014, National Harbor, MD. (I organized and ran this week-long training workshop)
- Apr 23, 2014 Faculty Speaker. Senior Graduation Reception, Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA (Invited Guest Speaker)
- Feb 19-21, 2014 *Does enteric infection in early life impact child cognitive and motor development at 6 months of age?* MAL-ED Data Analysis and Manuscript Development Workshop, Feb. 19-21, 2014, Herndon, VA.

- Jul 30-31, 2013 *Paper/Pencil Tasks: Rwanda Bean Trial*. 1st Annual HarvestPlus Pearl Millet and Beans Workshop, July 30-31, 2013, University Park, PA.
- May 8-10, 2013 *Multi-site Analyses of Maternal Psychological Symptoms and Child Development at 6 Months of Child Age*. 5th Annual MAL-ED Meeting, May 8-10, 2013, Bill and Melinda Gates Foundation, Seattle, WA.
- May 15, 2012 *Cognitive development subcommittee of MAL-ED: Progress and future plans*. 4th Annual MAL-ED Meeting, May 14-16, 2012, Baltimore, MD.
- Oct 12, 2011 *The MAL-ED research network: Lessons learned by the cognitive development subcommittee*. Core Metrics and Proposal Development Workshops, Grand Challenges Canada, Ottawa, Canada (invited as a presenter but could not participate due to health complications; presented by a colleague on my behalf).
- May 2-4, 2011 *MAL-ED Cognitive Development Outcomes*. 3rd Annual MAL-ED Meeting, May 2-4, 2011, Seattle, WA.
- Mar 3, 2011 *Iron deficiency and the global burden of disease: A systematic review*. CHERG Working Group Meetings, Imperial College, London, UK.
- Nov 22, 2010 *The MAL-ED Research Network*. Brain Disorders in the Developing World Networking Meeting, Fogarty International Center, National Institutes of Health, Bethesda, MD.
- Jun 16, 2010 *Reducing maternal deaths: What's iron got to do with it?* Global Health Bureau Seminar, United States Agency for International Development, Washington, D.C.
- Feb 24, 2010 *Writing a strong and compelling statement of research*. Graduate Student Nutrition Seminar. Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA.
- Nov 2, 2009 *Cost of iron deficiency in women of reproductive age: What do we know and where are we headed?* Iron...Works: John Beard Memorial Symposium. Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA.
- Mar 3, 2008 *Cognitive and behavioral consequences of iron deficiency*. Nutrition Seminar. Department of Nutrition, The University of North Carolina Greensboro, Greensboro, NC.
- Feb 28, 2008 *Iron deficiency: Consequences for cognitive, motor, and socio-emotional development*. ARS Seminar. USDA – Agricultural Research Service, Beltsville, MD.
- Jul 10, 2007 *Cost of maternal iron deficiency: Functional consequences for mother and child*. Child Health Unit Seminar. Child Health Unit, International Center for Diarrheal Disease Research, Bangladesh (ICDDR, B), Dhaka, Bangladesh.
- May 12, 2006 *Cost of maternal iron deficiency: Functional consequences for mother and child*. Nutrition Seminar. Bloomberg School of Public Health, Department of International Health, Johns Hopkins University, Baltimore, MD.
- May 13, 2005 *The impact of iron status on women's health*. Penn State Annual Nutrition Conference,

Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA.

- Dec 10, 2004 *The relationship between micronutrient status and cognitive functioning.* Brain Bunch Seminar (Specialization in Cognitive and Affective Neuroscience), Department of Psychology, The Pennsylvania State University, University Park, PA.
- Jun 25, 2004 *Iron status alters cognitive functioning in women during reproductive years.* Kligman Fellows Research Conference, College of Health and Human Development, The Pennsylvania State University, University Park, PA.
- Feb 27, 2004 *Iron status, cognitive performance, and behavioral affect in young women.* Early Pathways to Competence Group, The Child Study Center, The Pennsylvania State University, University Park, PA.
- Apr 2003 *Iron deficiency and cognitive performance in young women.* GCRC Executive Meeting, General Clinical Research Center, The Pennsylvania State University, University Park, PA.
- Apr 2003 *Iron status and cognitive performance in young women.* Nutrition Colloquium, Department of Nutritional Sciences, The Pennsylvania State University, University Park, PA.
- Aug 21, 2002 *Iron status and cognitive performance in young women.* USDA Human Nutrition Research Center, Grand Forks, ND.
- Apr 2001 *Ferritin and iron deficiency: A new look at the problem.* Student Dietetic Internship Group, General Clinical Research Center, The Pennsylvania State University, University Park, PA.
- Dec 1999 *Iron deficiency and cognitive performance in young women.* North East Region of the National Association of Bionutritionists, General Clinical Research Center, The Pennsylvania State University, University Park, PA.

Invited Scientific Meetings

- Jun 12, 2018 *Nutrient intake/status, illness, and infection interact to influence child cognitive development.* The American Society for Nutrition 2018 Meeting (Jun. 9-12, 2018). Boston, MA (Invited Speaker).
- Oct 17, 2017 *Risk-benefit analysis of iron interventions in young children.* 21st International Congress of Nutrition (Oct. 15-20, 2017). Buenos Aires, Argentina. (Presented by Sant-Rayn Pasricha on behalf of the IUNS/Micronutrient Forum/NIH Joint Taskforce).
- Oct 27, 2016 *High iron beans: the Rwandan efficacy trial – improvement in iron status, physical activity and cognition.* Micronutrient Forum (Oct. 24-28, 2016). Cancun, Mexico (Invited Speaker; colleague presented on my behalf, due to a conflict with another meeting).
- Jun 3, 2016 *Functional consequences of iron deficiency in mothers and children.* Nutrition and Child Development: Through the Lens of Iron (Jun. 2-3, 2016). Ann Arbor, MI (Invited

- Speaker).
- Oct 28, 2015 *Early life exposures to infection and malnutrition and the effect on cognitive development outcomes in children at 24 months of age.* The American Society for Tropical Medicine and Hygiene Annual Meeting (Oct. 25-29, 2015). Philadelphia, PA (Invited Speaker).
- Mar 3, 2015 *Iron and malaria.* Christian Medical & Dental Education Annual Meeting (Feb. 23-Mar. 5, 2015). Chiang Mai, Thailand (Invited Speaker).
- Mar 2, 2015 *Iron status and health.* Christian Medical & Dental Education Annual Meeting (Feb. 23-Mar. 5, 2015). Chiang Mai, Thailand (Invited Speaker).
- Nov 3, 2014 *The development, application and results of psychometric evaluations as a measurement of infant and early child development: The potential utility of cognitive assessments as they relate to early infections/nutrition in 8 tropical settings.* The American Society for Tropical Medicine and Hygiene Annual Meeting (Nov. 2-6, 2014). New Orleans, LA (Invited Speaker).
- Jun 4, 2014 *Functional effects of anemia and iron deficiency and of iron interventions in pregnancy, infancy and childhood.* Micronutrient Forum (Jun. 2-6, 2014). Addis Ababa, Ethiopia (Invited Plenary Speaker).
- Jun 2, 2014 *Impact of DFS on cognitive and perceptual function in female tea-pickers in West Bengal.* Micronutrient Forum (Jun. 2-6, 2014). Addis Ababa, Ethiopia (Invited Speaker).
- Apr 27, 2014 *Changes in cognitive performance and associated brain dynamics in response to iron-biofortified pearl millet and beans.* Symposium supported by HarvestPlus: Are biofortified staple food crops improving vitamin A and iron status in women and children? Experimental Biology (April 26-30, 2014). San Diego, CA (Invited Speaker).
- Apr 23, 2012 *GPEC Forum: Using interdisciplinary tools to evaluate nutritional interventions.* Experimental Biology (April 21-25, 2012). San Diego, CA (Invited as a Discussant but could not participate due to health complications; presented by a colleague on my behalf).
- Oct 8, 2009 *Mechanisms of micronutrients in the brain: can new measurement techniques be used as a proxy?* 19th International Congress of Nutrition (Oct. 4-9, 2009). Bangkok, Thailand (Invited Speaker).
- Oct 7, 2009 *Maternal vitamin A supplementation: Effects on peri-adolescent cognition.* 19th International Congress of Nutrition (Oct. 4-9, 2009). Bangkok, Thailand (Invited Speaker).
- Apr 18, 2009 *Cost of iron deficiency: Cognitive and behavioral consequences for women and children.* Unite for Sight Conference (Apr. 18-19, 2009). Yale University, New Haven, Connecticut (Invited Speaker).
- Nov 15, 2008 *Iron deficiency: Functional consequences and potential biological underpinnings.* Symposium on Brain Function and Nutrition. Annual Meeting of the Society for Neuroscience (Nov. 15-19, 2008). Washington, D.C. (Invited Speaker).

Scientific Meetings

(names of mentored students/postdocs and BIRCWH scholars are underlined; *denotes presentations from the MAL-ED study for which I am the Chair of the Cognitive Development Subcommittee and co-PI of the follow-up grant; first author was presenting author unless otherwise noted)

Ngoutane R, Murray-Kolb LE, Zoma R, Ouedraogo C, van Zutphen KG, Bruning R, Razakandrainy A, Ransom E, Kraemer K, Kodish SR. A comparative analysis of maternal nutrition decision-making autonomy during pregnancy in Burkina Faso and Madagascar – an application of the *Food Choice Process Model*. (2022) ASN Nutrition, Live Online (presentation type not yet determined)

Arcot A, Xing X, Murray-Kolb LE. Iron status, development, and behavior in young children in the Pennsylvania foster care system, an exploratory retrospective Medicaid chart review. (2021) ASN Nutrition, Live Online (e-poster; virtual meeting due to COVID-19)

Na M, Dou N, Liao Y, Rincon SJ, Francis L, Graham-Engeland JE, Murray-Kolb LE, Li R. Food insecurity and affective well-being in low-income adults: An ecological momentary assessment study over two months. (2021) ASN Nutrition, Live Online (e-poster; virtual meeting due to COVID-19)

Dou N, Shakya E, Ngoutane RM, Le Dai AS, Garg A, Kodish SR, Caulfield LC, Murray-Kolb LE, Na M. Trends and influencing factors of complementary feeding practices in Niger: An analysis of national surveys from 2000 – 2018. (2021) ASN Nutrition, Live Online (e-poster; virtual meeting due to COVID-19)

*Doggui R, McCormick BJJ, Caulfield LE, Schulze K, Murray-Kolb LE. Iodine status and association with gut health: A multi-site birth cohort study in eight low- and middle-income countries. (2021) ASN Nutrition, Live Online (e-poster; virtual meeting due to COVID-19)

Shakya E, Dou N, Ngoutane RM, Garnier D, Le Dain AS, Garg A, Kodish SR, Caulfield LE, Murray-Kolb LE, Na M. Promising trends of complementary feeding practices in Cote d'Ivoire: An analysis of nationally representative survey data between 1994 – 2016. (2021) ASN Nutrition, Live Online (e-poster; virtual meeting due to COVID-19)

Edwards B, Schaefer E, Murray-Kolb L, Moore G, Daymont, C. Is underweight in children associated with family income and food insecurity? (2020) 42nd Annual Meeting of the Society for Medical Decision Making, Chicago, IL (presentation type not yet known)

*Richard SA, McCormick BJJ, Murray-Kolb LE, Patil C, Mahopo C, Maciel B, Bose A, Mahfuz M, Ahmed T, Caulfield LE. Exclusive or predominant breastfeeding associated with lower risk of enteropathogen detection: Results from MAL-ED cohort study. (2020) American Society of Tropical Medicine and Hygiene Annual Meeting, Toronto, Ontario, Canada (oral presentation; conference moved to remote offering due to COVID-19).

Murray-Kolb LE, Scott SP, Wenger MJ, Udipi SA, Ghugre PS, Lung'aho MG, Boy E, Haas JD. The neurobiological effects of iron: Evidence from iron biofortified interventions. (2020) Micronutrient Forum, Bangkok, Thailand (poster presentation; conference moved to remote offering due to COVID-19).

Ciulei MA, Murray-Kolb LE. The relation between food security, iron status, and depressive symptoms among women of reproductive age from the NHANES 2005-2010 cycles. (2020) ASN Nutrition,

Seattle, WA (poster presentation; conference moved to remote offering due to COVID-19).

Na M, Le Dain A-S, Kodish SR, Murray-Kolb LE, Ngoutane RM, Dou N, Garg A, Tou EH, Caulfield LE, White J, Siekmans K, Ndiaye NF, Zagre NM. Understanding complementary feeding practices in children 6-23 months in the West and Central Africa region: a mixed methods regional analysis of 24 countries. (2020) ASN Nutrition, Seattle, WA (poster presentation; conference moved to remote offering due to COVID-19).

*Richard S, Murray-Kolb LE, Caulfield, LE, MAL-ED Network Investigators. Identifying influences on catch-up growth using relative versus absolute metrics: Evidence from the MAL-ED study. (2019) ASN Nutrition, Baltimore, MD (poster presentation).

*McCormick BJJ, Caulfield LE, Richard S, Pendergast L, Murray-Kolb LE on behalf of MAL-ED Network Investigators. Nurturing environments and nutrient-rich diets may improve cognitive development: Analysis of cognitive trajectories from six to sixty months from the MAL-ED study. (2019) ASN Nutrition, Baltimore, MD (oral presentation).

*Antiporita DA, Ambikapathi R, Bose A, Maciel B, Mahopo TC, Patil C, Turab A, Chandyo RK, Islam M, Bauck A, Caulfield LE, MAL-ED Network Investigators. Probability of nutrient adequacy among children (9-24 mo) using micronutrient intake from complementary foods and estimates from breast milk: results from 7 MAL-ED sites. (2019) ASN Nutrition, Baltimore, MD (poster presentation).

Ciulei MA, Hamadani J, Black RE, Murray-Kolb LE. Infant iron status is related to mother-infant interactions. (2019) ASN Nutrition, Baltimore, MD (poster presentation).

Pobee RA, Setorglo J, Klevor M, Murray-Kolb LE. Is iron status related to psychosocial wellbeing during pregnancy? (2019) ASN Nutrition, Baltimore, MD (poster presentation).

Daymont C, Murray-Kolb LE. Is underweight associated with family income and food insecurity? (2019) Pediatric Academic Societies (PAS) Meeting, Baltimore, MD (poster presentation).

Ciulei MA, Hamadani J, Black RE, Murray-Kolb LE. Infant iron status is related to mother-infant interactions. (2019) Penn State Graduate Exhibition, University Park, PA. (poster presentation: *placed second in Social and Behavioral Sciences category*).

*Ruan L, Williams B, Pendergast LL, MAL-ED Network Investigators. Measuring development across gender: Measurement invariance of Bayley's Scores across children from seven international MAL-ED research sites. (2018) National Association of School Psychologists Annual Convention, Chicago, IL (poster presentation).

*Williams B, Ruan L, Pendergast LL, MAL-ED Network Investigators. Factor structure of scores from the Bayleys Scales of Infant and Toddler Development -- Social Emotional Scale -- Third Edition, in the international, seven-site MAL-ED cohort. (2018) National Association of School Psychologists Annual Convention, Chicago, IL (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Rhoten SE, Udipi S, Ghugre P, Haas JD. Positive impact of iron-biofortified pearl millet on cognitive performance in Indian school-going adolescents aged 12-16 years: a 24-week randomized controlled efficacy trial. (2018) Presented at HarvestPlus. Washington, DC (oral presentation).

Pobee RA, Setorglo J, Klevor M, Murray-Kolb LE. Hemoglobin concentration is associated with affective variables in early pregnancy. (2018) ASN Nutrition 2018, Boston, MA (poster presentation).

Seiger E, Bahnfleth C, Simons S, Murray-Kolb LE. The effects of iron status on mood, stress, and quality of life in women of reproductive age. (2018) Penn State University Undergraduate Exhibition, University Park, PA (poster presentation: *placed first for Information Literacy award*).

Pobee RA, Setorglo J, Klevor M, Murray-Kolb LE. Hemoglobin concentration is associated with depression in early pregnancy. (2018) Penn State Graduate Exhibition, University Park, PA. (poster presentation: *placed third in Social and Behavioral Sciences category*).

Ciulei MA, English LK, Chung S, Hamadani J, Arifeen S El, Baqui A, Black R, and Murray-Kolb LE. The prevalence of postpartum depressive symptoms in iron deficient and iron sufficient mothers from rural Bangladesh. (2017) Penn State 2nd Annual Life Sciences Symposium, University Park, PA (poster presentation: *placed first*).

Pobee RA, Aguree, S, Gernand A, Murray-Kolb LE. Iron deficiency in Ghanaian women before pregnancy. (2017) Penn State 2nd Annual Life Sciences Symposium, University Park, PA (poster presentation).

Pobee RA, Aguree, S, Gernand A, Murray-Kolb LE. Iron deficiency in Ghanaian women before pregnancy. (2017) PAN-African Professional Alliance Symposium, University Park, PA (oral presentation).

Ciulei MA, English LK, Chung S, Hamadani J, Arifeen S El, Baqui A, Black R, and Murray-Kolb LE. The prevalence of postpartum depressive symptoms in iron deficient and iron sufficient mothers from rural Bangladesh. (2017) Penn State Graduate Exhibition, University Park, PA (poster presentation: *placed third in Health and Life Sciences category*).

Pobee RA, Aguree, S, Gernand A, Murray-Kolb LE. Iron deficiency in Ghanaian women before pregnancy. (2017) Penn State Graduate Exhibition, University Park, PA (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Luna SV, Rhoten S, Lung'aho M, Udipi SA, Ghugre PS, Haas JD. Iron-biofortified pearl millet and beans improve cognition. (2017) Agriculture for Nutrition and Health Academy. Kathmandu, Nepal (poster presentation and elevator pitch).

Sekhar DL, Murray-Kolb LE, Schaefer EW, Paul IM. Screening questionnaires fail to detect adolescents at high-risk of iron deficiency. (2017) Pediatric Academic Societies Meeting, San Francisco, CA (poster presentation).

Ciulei MA, English LK, Chung S, Hamadani J, El Arifeen S, Baqui A, Black R, Murray-Kolb LE. The prevalence of postpartum depressive symptoms in iron deficient and iron sufficient mothers from rural Bangladesh. (2016) Nutrition and Child Development: Through the Lens of Iron, University of Michigan, Ann Arbor, MI (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Luna SV, Udipi SA, Ghugre PS, Haas JD. Consumption of iron-biofortified pearl millet improves cognitive performance in Indian adolescents. (2016) Nutrition and Child Development: Through the Lens of Iron, University of Michigan, Ann Arbor, MI (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Lung'aho M, Gahutu JB, Haas JD. Iron-biofortified bean

consumption for 20 weeks benefits memory function in young adult Rwandese females. (2016) Nutrition and Child Development: Through the Lens of Iron, University of Michigan, Ann Arbor, MI (poster presentation).

Scott SP, De Souza MJ, Myshko, Koehler K, Petkus DL, Murray-Kolb LE. Relating iron status and aerobic fitness to executive function in young adult women. (2016) Institute of Biomedicine, Federal University of Ceara, Fortaleza, Brazil (oral presentation).

*Pendergast LL, Rasheed M, Murray-Kolb LE, Schaefer BA, Williams B on behalf of the MAL-ED Cognitive Development Technical Subcommittee. Using the Wechsler Preschool and Primary Scales of Intelligence -- Third Edition across eight international sites: Successes and challenges. (2016) International Testing Commission annual convention, Vancouver, Canada (oral presentation).

Pia E, Shrestha L, Shrestha S, Shrestha R, Shrestha R, Murray-Kolb LE. Food insecurity and iron deficiency in a cohort of Nepali children. (2016) College of Health and Human Development Poster Competition, University Park, PA (poster presentation: *placed first*).

Wenger MJ, Rhoten SE, Scott SP, Murray-Kolb LE, Lung'aho M, Gahutu JB, Haas JD. Improvements in electrophysiological measures of brain function during memory processing in Rwandan women consuming a biofortified bean. (2016) Experimental Biology, San Diego, CA (poster presentation).

Burkey M, Christian P, Murray-Kolb LE, Khatry SK, LeClerq SC. Household wealth and behavior problems among children in rural Nepal. (2015) American Academy of Child and Adolescent Psychiatry's 62nd Annual Meeting, San Antonio, TX (poster presentation).

Chen-Edinboro LP, Murray-Kolb LE, Simonsick EM, Ferrucci L, Allen RP, Payne ME, Spira AP. Association between anemia subtypes and insomnia symptoms in community-dwelling older adults. (2015) Experimental Biology, Boston, MA (oral presentation).

Wenger MJ, Rhoten SE, Scott SP, Murray-Kolb LE, Haas JD. Examining the causal effects of changes in iron status on brain and attentional functioning using structural equation modeling. (2015) Experimental Biology, Boston, MA (poster presentation).

Tate LR, Wenger MJ, Murray-Kolb LE, Haas JD. Predicting iron-dependent changes in energy expenditure from changes in EEG power as a function of cognitive workload. (2015) Experimental Biology, Boston, MA (poster presentation).

Wenger MJ, Rhoten SE, Scott SP, Murray-Kolb LE, Lung'aho M, Gahutu JB, Haas JD. Effects of consuming an iron-biofortified bean on behavioral and electrophysiological measures of attention. (2015) Experimental Biology, Boston, MA (poster presentation).

Petkus D, Kohler K, Williams NI, Murray-Kolb LE, Scott SP, De Souza MJ. The risk of iron depletion in exercising women is not associated with menstrual bleeding or its resumption after amenorrhea. (2015) Graduate Exhibition, University Park, PA (poster presentation).

*Richard SA, on behalf of the MAL-ED study, including Chandyo RK, Mduma ER, Mahopo C, Maciel B, Bose A, Turab A, Mahfuz M, Murray-Kolb LE, Ambikapathi R, Ahmed T, Caulfield LE. Characteristics associated with the regular consumption of milk or solids in breastfeeding children in eight-site cohort study. (2014) The American Society of Tropical Medicine and Hygiene Annual Meeting, New Orleans, LA (oral presentation).

Rhoten SE, Wenger MJ, Cooper EM, Murray-Kolb LE, Gahutu JB, Lung'aho MG, Haas JD. Systematic variations in behavioral and electroencephalographic measures of the control of visual attention as a function of body iron status. (2014) Vision Sciences Society Annual Meeting, St. Pete Beach, FL (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Udipi S, Ghugre P, Finkelstein J, Mehta S, Luna S, Haas JD. Findings from a 6-month efficacy trial in Maharashtra involving iron-biofortified pearl millet - impact on iron status and physical performance. (2014) 2nd International Workshop on Micronutrients and Child Health, Delhi, India (oral presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Udipi S, Ghugre P, Finkelstein J, Mehta S, Luna S, Przybzewski E, Haas JD. Summary of efficacy trial in rural India involving iron-biofortified pearl millet. (2014) USDA Borlaug Workshop, Accra, Ghana (oral presentation).

Sekhar D, Murray-Kolb LE, Wang, L, Kunselman AR, Paul IM. Adolescent anemia screening during ambulatory pediatric visits in the United States. (2014) BIRCWH Scholars Annual Meeting, Rockville, MD (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Mehta S, Finkelstein JL, Udipi S, Ghugre P, Haas JD. Relating iron intake to iron status and cognitive functioning, results from a 6-month efficacy trial involving biofortified pearl millet in India. (2014) Micronutrient Forum, Addis Ababa, Ethiopia (oral presentation).

Sekhar D, Murray-Kolb LE, Kunselman AR, Paul IM. Variations in risk factors for adolescent iron deficiency by the ferritin model vs. the body iron model. (2014) Pediatric Research Day, Hershey, PA (poster presentation).

Sekhar D, Murray-Kolb LE, Kunselman AR, Paul IM. Risk factors for adolescent anemia. (2014) Pediatric Research Day, Hershey, PA (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Udipi S, Ghugre P, Haas JD. Iron-biofortified pearl millet improves attentional function in Indian adolescents. (2014) Penn State Public Health Day Symposium, Hershey, PA (oral presentation; *received best overall abstract award*).

Sekhar D, Murray-Kolb LE, Kunselman AR, Paul IM. Variations in risk factors for adolescent iron deficiency by the ferritin model vs. the body iron model. (2014) Inaugural Women's Health Research Day, Penn State Center for Women's Health Research, Hershey, PA (poster presentation).

Sekhar D, Murray-Kolb LE, Kunselman AR, Paul IM. Risk factors for adolescent anemia. (2014) Inaugural Women's Health Research Day, Penn State Center for Women's Health Research, Hershey, PA (poster presentation).

Sekhar DL, Murray-Kolb LE, Kunselman AR, Paul IM. Risk factors for adolescent anemia. (2014) Pediatric Academic Societies Annual Meeting, Vancouver, BC, Canada (poster presentation).

Sekhar DL, Murray-Kolb LE, Kunselman AR, Paul IM. Variations in risk factors for adolescent iron deficiency by the ferritin vs. the body iron model. (2014) Pediatric Academic Societies Annual Meeting, Vancouver, BC, Canada (poster presentation).

Murray-Kolb LE, Bahnfleth CL, Hurley KM, Cole PM, Khatry SK, LeClerq S, Christian P. Micronutrient supplementation during pregnancy and the preschool years and child behavior at 7-9 y of age. (2014)

Experimental Biology, San Diego, CA (poster presentation).

Bahnfleth CL, Murray-Kolb LE, Schaefer BA, Cole PM, Khattry SK, LeClerq S, Christian P. Effects of prenatal micronutrient supplementation on school age child behavior. (2014) Experimental Biology, San Diego, CA (poster presentation).

Haas JD, Luna SV, Lung'aho M, Ngabo F, Wenger MJ, Murray-Kolb LE, Beebe S, Gahutu JB. Iron biofortified beans improve iron status in Rwandan University women: results of a feeding trial. (2014) Experimental Biology, San Diego, CA (poster presentation).

Rhoten SE, Wenger MJ, Murray-Kolb LE, Gahutu JB, Haas JD. Brain dynamics and attentional control as a function of body iron status. (2014) Experimental Biology, San Diego, CA (poster presentation).

Wenger MJ, Scott SP, Murray-Kolb LE, Ghugre P, Udipi S, Haas JD. Changes in brain dynamics as a function of changes in body iron status: effects on attentional function in Indian adolescents following consumption of iron-biofortified pearl millet. (2014) Experimental Biology, San Diego, CA (oral presentation).

Murray-Kolb LE, Wenger, MJ, Scott SP, Rhoten SE, Lung'aho MG, Gahutu JB, Haas JD. Effects of iron status on attentional function in young Rwandan women. (2014) Experimental Biology, San Diego, CA (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Udipi S, Ghugre P, Haas JD. Iron-biofortified pearl millet improves attentional function in Indian adolescents, a 6-month randomized controlled trial. (2014) Experimental Biology, San Diego, CA (poster presentation).

Sekhar DL, Murray-Kolb LE, Kunselman AR, Paul IM. Variations in risk factors for adolescent iron deficiency by the ferritin model vs. the body iron model. (2014) Academic Pediatric Association Regional Meeting, New York, NY (oral presentation).

Chen L, Patel K, Murray-Kolb LE. Iron status is related to depressive symptoms in the InCHIANTI elderly. (2013) Gerontological Society of America Annual Meeting, New Orleans, LA (poster presentation).

*Schaefer BA, Pendergast LL, and the MAL-ED Network Cognitive Development Technical Subcommittee. Latent structure of Bayley Scales' scores across eight international sites. (2013) American Psychological Association Annual Meeting, Honolulu, Hawaii (poster presentation).

Wenger MJ, Murray-Kolb LE, Haas JD. Energy expended in encoding and retrieval in a visual memory task: Interactive effects of workload and body iron status. (2013) Vision Sciences Society Annual Meeting, Naples, Florida (poster presentation).

Venkatramanan S, Marquis GS, Neufeld L, Wenger M, Murray-Kolb LE, Reinhart G, Haas JD. Double fortified salt intervention improved iron but not energy and macronutrients intake in women tea plantation workers from West Bengal, India. (2013) 6th McGill Conference on Global Food Security, McGill University, Montreal, Canada (poster presentation).

Scott S, Murray-Kolb L, Wenger M, Udipi S, Ghugre P, Haas J. Iron deficiency but not anemia affects cognition in Indian adolescents. (2013) Experimental Biology, Boston, MA (poster presentation).

Chen L, Patel KV, Murray-Kolb LE. Iron status is related to cognitive performance: A longitudinal

analysis of data from the InCHIANTI study. (2013) Experimental Biology, Boston, MA (oral presentation).

Chen L, Murray-Kolb LE. "Nutrition, Behavior, and Mental Health": a Unique Undergraduate Course at the Intersection of Food and Mood. (2013) Experimental Biology, Boston, MA (poster presentation).

Wenger MJ, Scott SP, Murray-Kolb LE, Ghugre P, Udipi S, Haas JD. Brain dynamics as a function of iron status: Relating electroencephalographic (EEG) patterns and body iron measures in Indian adolescents. (2013) Experimental Biology, Boston, MA (poster presentation).

Wenger MJ, Murray-Kolb LE, Haas JD. Variations in body iron status determine variations in body energy expenditure and brain dynamics as a function of perceptual and cognitive workload. (2013) Experimental Biology, Boston, MA (poster presentation).

Bahnfleth CL, Murray-Kolb LE, Schaefer B, Cole P, Katz J, Khattry SK, LeClerq S, Tielsch JM, Christian P. Long-term effects of micronutrient supplementation on school age child behavior. (2013) Experimental Biology, Boston, MA (poster presentation).

English LK, Murray-Kolb LE, Chang S, Hamadani, J, El Arifeen S, Baqui A, Black RE. Maternal iron status and depressive symptoms in rural Bangladesh. (2013) Experimental Biology, Boston, MA (poster presentation).

Scott SP, Murray-Kolb LE, Wenger MJ, Udipi S, Ghugre P, Haas JD. Iron deficiency anemia slows brain processing speed in Indian adolescents. (2013) Annual Graduate Exhibition, University Park, PA (poster presentation; *placed third in Health and Life Sciences category*).

English LK, Murray-Kolb LE, Chang S, Hamadani, J, El Arifeen S, Baqui A, Black RE. Maternal iron status and depressive symptoms in rural Bangladesh. (2013) Annual Graduate Exhibition, University Park, PA (poster presentation).

Bahnfleth CL, Murray-Kolb LE, Schaefer B, Cole P, Katz J, Khattry SK, LeClerq S, Tielsch JM, Christian P. Long-term effects of micronutrient supplementation on school age child behavior. (2013) Undergraduate Exhibition, University Park, PA (poster presentation; *received honorable mention for the Health and Life Sciences category as well as the Information Literacy award*).

Wenger MJ, Murray-Kolb LE, Haas JD. Brain energy expenditure as a function of cognitive workload and body iron status. (2012) The Psychonomic Society Annual Meeting, Minneapolis, MN (oral presentation).

Chen L, Patel K, Murray-Kolb L. Iron status is related to cognitive performance in the elderly inCHIANTI population. (2012) American Public Health Association Annual Meeting, San Francisco, CA (oral presentation).

Wenger MJ, Murray-Kolb LE, Haas JD. Using EEG to examine brain energy expenditure in the context of variations in mental workload and body iron status. (2012) Society for Neuroscience Annual Meeting, New Orleans, LA (poster presentation).

*MAL-ED Network Cognitive Development Technical Subcommittee. The MAL-ED research network: Assessing development in young children in 8 developing countries. (2012) Pediatric Academic Societies Annual Meeting, Boston, MA (oral presentation).

- Hammons JE, Wenger MJ, Murray-Kolb LE, Venkatramanan S, Haas JD. Perceptual and cognitive performance in Indian female tea-pluckers are improved with iron-fortified salt. (2012) Vision Sciences Society Annual Meeting, Naples, FL (poster presentation).
- Scott SP, Wenger MJ, Murray-Kolb LE, Udipi SA, Ghugre PS, Boy E, Haas JD. Relations between iron status and cognitive measures in Indian adolescents. (2012) Experimental Biology, San Diego, CA (poster presentation).
- Venkatramanan S, Marquis GS, Neufeld L, Murray-Kolb LE, Wenger MJ, Reinhart G, Haas JD. Does improving the iron status with double fortified salt affect nutrient intakes of women tea plantation workers in West Bengal, India? (2012) Experimental Biology, San Diego, CA (poster presentation).
- Chen L, Murray-Kolb LE, Patel KV. The characterization of iron status in inCHIANTI: The use of a higher ferritin cutoff. (2012) Experimental Biology, San Diego, CA (poster presentation).
- Christian P, Murray-Kolb L, Katz J, Tielsch JM, Schaefer B, Cole P, LeClerq SC, Khatry SK. Associations between preterm birth, small for gestational age, and early neonatal morbidity and cognitive function in school-age children. (2012) Experimental Biology, San Diego, CA (poster presentation).
- Wenger MJ, Murray-Kolb LE, Hammons JE, Venkatramanan S, Haas JD. Improvements in perceptual and cognitive performance linked to baseline iron status and consumption of a double-fortified salt. (2012) Experimental Biology, San Diego, CA (oral presentation).
- Murray-Kolb LE, Christian P, Schaefer B, Cole P, Katz J, Khatry SK, LeClerq S, Tielsch JM. Long-term effects of micronutrient supplementation on intellectual and motor functions. (2011) Experimental Biology, Washington DC (oral presentation).
- Christian P, Morgan ME, Murray-Kolb L, LeClerq SC, Khatry SK, Schaefer B, Cole P, Katz J, Tielsch JM. Preschool iron-folic acid and zinc supplementation in children exposed to iron-folic acid in utero confers no added cognitive benefit in early school-age. (2011) Experimental Biology, Washington DC (oral presentation).
- Chen LP, Murray-Kolb LE, Chen P, Caulfield LE. The impact of anemia on maternal mortality: An updated review. (2011) Experimental Biology, Washington DC (poster presentation).
- Murray-Kolb LE, Wenger MJ, Yang Q. Neurophysiological consequences of iron deficiency. (2011) Experimental Biology, Washington DC (poster presentation).
- Wenger MJ, Murray-Kolb LE, Hammons JE, Venkatramanan S, Haas JD. Analytic measures of perceptual and cognitive performance in measuring effects of dietary iron repletion. (2011) Experimental Biology, Washington DC (poster presentation).
- Murray-Kolb LE, Wenger MJ, Venkatramanan S, Marquis GS, Wesley AS, Haas JD. Effects of double-fortified salt on perceptual and cognitive performance in women. (2011) Experimental Biology, Washington DC (oral presentation).
- Haas JD, Venkatramanan S, Marquis G, Murray-Kolb L, Wenger M, Wesley AS. Double-fortified salt improves iron status of female Indian tea pluckers. (2011) Experimental Biology, Washington DC (oral presentation).

- Hammons J, Venkatramanan S, Neufield L, Murray-Kolb L, Haas JD. When hemoglobin isn't enough: responsiveness of multiple indicators to an iron intervention. (2011) Experimental Biology, Washington DC (poster presentation).
- Venkatramanan S, Marquis GS, Murray-Kolb L, Wenger M, Wesley AS, Reinhart GA, Haas JD. Double fortified salt intervention and anthropometric status of women tea plantation workers, India. (2011) Experimental Biology, Washington DC (poster presentation).
- Shapiro M, Murray-Kolb L, Chang S, Hamadani J, El Arifeen S, Baqui A, Black R. Maternal depressive symptoms and infant diarrhea in Bangladesh. (2011) Experimental Biology, Washington DC (poster presentation).
- Jing H, Jahan N, Schulze K, Murray-Kolb L, Shamim AA, Labrique A, Christian P, West K. Gestational iodine deficiency, child cognition and motor skills at age 5 years in rural Bangladesh. (2011) Experimental Biology, Washington DC (poster presentation).
- Wenger MJ, Hammons JE, Murray-Kolb LE, Haas JD. Modeling the relationships between brain iron and behavior: Neurophysiological mechanisms for functional changes in the context of iron depletion and repletion. (2011) Computational and Systems Neuroscience Annual Meeting, Salt Lake City, UT (poster presentation).
- Wenger M, Murray-Kolb L, Hammons J, Venkatramanan S, Haas J. An analytic assessment of the effects of dietary iron repletion on perceptual and cognitive performance. (2011) Vision Sciences Society Annual Meeting, Naples, FL (poster presentation).
- Pendergast LL, Vandiver BJ, Cole PM, Schaefer BA, Murray-Kolb LE, Khattry SK, LeClerq SC, Christian P. Factor structure of scores from Revised Conners' Scales with Nepali children. (2010) National Association of School Psychologists Annual Convention, Chicago, IL (poster presentation).
- Buckley G, Murray-Kolb L, Khattry S, LeClerq S, Shrestha SR, Dhakal K, Shrestha SB, West K, Christian P. Effects of maternal vitamin A supplementation on motor and cognitive development among school-aged children in rural Nepal: A 10 to 13 year randomized trial cohort follow-up study. (2009) Micronutrient Forum Meetings, Beijing, China (poster presentation).
- Hua J, Schulze K, Murray-Kolb L, Shamim AA, Rashid M, Ali H, West K. Gestational sub-clinical iodine deficiency (ID) and neuropsychological development of children at five years of age in rural Bangladesh. (2009) Micronutrient Forum Meetings, Beijing, China (poster presentation).
- Buckley G, Murray-Kolb LE, Christian P, Khattry SK, Shrestha SR, LeClerq SC, West KP Jr. Effects of preconceptional through post-partum vitamin A supplementation on intellectual, motor, and behavioral development of school-aged offspring in rural Nepal. *FASEB Journal* (2009). Experimental Biology, New Orleans, LA (poster presentation).
- Teti LO, Buss KA, Moore GA, Pemberton CK, Tan P, Murray-Kolb LE, Cole PM, Gilmore RO. Just do it! How infants' emerging action repertoire shapes perception, cognition, emotion, and communication. (2009) Society for Research in Child Development Biennial Meeting, Denver, CO (oral presentation).
- Gilmore RO, Murray-Kolb L, Lee JM. Infants' visual habituation patterns show large within-session variability. (2007) Vision Sciences Society Meeting, Sarasota FL (poster presentation).

- Beard JL, Murray-Kolb LE, Haas JD, Lynch S. Iron absorption: comparison of prediction equations and reality. Results from a feeding trial in the Philippines. (2007) Micronutrient Forum Meetings, Istanbul, Turkey (poster presentation).
- Christensen A, Gray K, Gernett M, Murray-Kolb LE, Gilmore RO. Infants' reaching skill improves over the transition to crawling. (2007) Society for Research in Child Development Biennial Meeting, Boston, MA (poster presentation).
- Murray-Kolb LE, Gilmore RO, Teti DM, Beard JL. Maternal iron deficiency alters mother/child interaction. (2006) International Conference on Infant Studies, Kyoto, Japan (poster presentation).
- Murray-Kolb LE, Beard JL, Susman EJ. Maternal iron status during pregnancy and child behavior/temperament. *FASEB Journal* (2006). Experimental Biology, San Francisco, CA (poster presentation).
- Beard JL, Murray-Kolb L, Haas JD. Comparison of six prediction equations for iron bioavailability. *FASEB Journal* (2006). Experimental Biology, San Francisco, CA (poster presentation).
- Murray-Kolb LE, Beard JL, Gilmore RO, Teti DM, Perez E, Hendricks M. Maternal iron deficiency impacts mother/child interaction. *FASEB Journal* (2005). Experimental Biology, San Diego, CA (oral presentation).
- Ventura I, Armas M dR, Romero-Abal ME, Murray-Kolb LE, Beard JL, Solomons NW, Schümann K. Nutritional and non-nutritional correlates of manifestations of infectious illness over six months of a school-cycle in an urban elementary school in Guatemala City. *FASEB Journal* (2005). Experimental Biology, San Diego, CA (poster presentation).
- Haas JD, Beard JL, Murray-Kolb L, del Mundo A, Felix A, Gregorio G. Ferritin and body iron but not hemoglobin are appropriate indicators of response to iron biofortification in Philippine women. *FASEB Journal* (2005). Experimental Biology, San Diego, CA (poster presentation).
- Beard JL, Murray-Kolb LE, Felix A, del Mundo A, Gregorio G, Haas JD. Relationship between dietary factors and iron as well as zinc status changes in religious sisters in Manila. *FASEB Journal* (2005). Experimental Biology, San Diego, CA (poster presentation).
- Murray-Kolb LE, Beard JL, Romero-Abal ME, Rosales F, Solomons NW. The role of biomarkers of the acute phase response (APR) in the interpretation of serum ferritin. *FASEB Journal* (2005). Experimental Biology, San Diego, CA (poster presentation).
- Beard JL, Calatroni A, Angelilli ML, Zatakia J, Jacobson S, Murray-Kolb L, Rosales F, Lozoff B. AGP and CRP are related to serum ferritin in African American infants. *FASEB Journal* (2005). Experimental Biology, San Diego, CA (oral presentation).
- Murray-Kolb LE, Whitfield KE, Beard JL. Iron status affects cognition in young adult women. (2004) International Nutritional Anemia Consultative Group Symposium, Lima, Peru (poster presentation).
- Murray-Kolb LE, Beard JL, Haas JD, Felix A, del Mundo A, Gregorio G. Biofortified rice improves the iron status of iron deficient women. (2004) International Nutritional Anemia Consultative Group Symposium, Lima, Peru (poster presentation).
- Murray-Kolb LE, Whitfield KE, Beard JL. Iron status alters cognitive functioning in women during

reproductive years. *FASEB Journal* (2004). Experimental Biology, Washington, DC (oral presentation).

Murray-Kolb LE, Felix A, del Mundo A, Gregorio G, Haas J, Beard J. Biofortified rice as a source of iron for iron deficient women. *FASEB Journal* (2004). Experimental Biology, Washington, DC (poster presentation).

Burhans MS, Grimsrud E, Murray-Kolb LE, Dailey C, Buwen J, Jones BC, Beard JL. Iron deficiency alters monoamine transporters and behavior in postweaning rats. *FASEB Journal* (2004). Experimental Biology, Washington, DC (poster presentation).

Murray-Kolb LE, Beard JL, Eva Perez, Astrid Berg, Mark Tomlinson, James Irlam, Washiefa Isaacs, Tulani Njengele, Alan Sive, Michael Hendricks. Maternal iron status is associated with maternal cognitive functioning and behavior. *FASEB Journal* (2003). Experimental Biology, San Diego, CA (poster presentation).

Theil EC, Beard JL, Lonnerdal BL, Hadley K, Kelleher S, Murray-Kolb L. Bioavailability of ferritin iron in health and disease. (2003) BioIron meeting, Bethesda, MD (poster presentation).

Beard JL, Murray-Kolb LE, Perez E, Berg A, Tomlinson M, Irlam J, Isaacs W, Njengele T, Sive A, Hendricks M. Iron status alters cognitive and behavioral functioning in women during reproductive years. (2003) International Nutritional Anemia Consultative Group Symposium, Marrakesh, Morocco (poster presentation).

Perez E, Hendricks M, Berg A, Tomlinson M, Irlam J, Isaacs W, Njengele T, Sive A, Feagans L, Murray L, Beard J. Maternal iron deficiency anemia alters mother-infant interaction and infant development. (2003) International Nutritional Anemia Consultative Group Symposium, Marrakesh, Morocco (poster presentation).

Murray-Kolb LE, Whitfield KE, Beard JL. Iron status and cognitive performance in young women. *FASEB Journal* (2002). Experimental Biology, New Orleans, LA (poster presentation).

Murray-Kolb LE, Beard JL, Takaiwa F, Theil EC. Rice as a source of iron for treating iron deficiency in rats. *FASEB Journal* (2001). Experimental Biology, Orlando, FL (poster presentation).

Murray LE, Beard JL, Joseph SL, Davey SL, Evans WJ, Campbell WW. Resistance training affects iron status in older men and women. *FASEB Journal* (1998). Experimental Biology, San Francisco, CA (poster presentation).

Murray LE, Picciano MF, Smiciklas-Wright H, Birch LL. Iron, folate, and kilocalorie intakes change significantly in young children between 12 and 18 months. *FASEB Journal* (1996). Experimental Biology, Washington, DC (poster presentation).

Ellis LA, Murray LE, Picciano MF. Phosphorylation of prolactin (PRL) reduces PRL like bioactivity in human milk. (1995) International Society for Research on Human Milk and Lactation. Tlaxcala, Mexico (poster presentation).

TEACHING

Purdue University (Guest Lectures)

Undergraduate Courses

NUTR 10700, Introduction to Nutrition Science
Fall 2021 (one lecture)

NUTR 29700, Introduction to Honors Research
Fall 2021 (one lecture)

The Pennsylvania State University (Primary Instructor)

Graduate Courses

NUTR 602, Supervised Experience in College Teaching
Spring 2021
Fall 2018
Fall 2016
Spring 2016
Fall 2015
Spring 2015
Spring 2013
Spring 2012
Fall 2011
Spring 2011
Fall 2010
Spring 2010

NUTR 583, Nutritional Epidemiology
Fall 2020
Spring 2016
Spring 2015
Spring 2014

NUTR 502, Regulation of Nutrient Metabolism II
Spring 2021
Spring 2020
Spring 2019
Spring 2018
Spring 2017

PSY 597D, Foundations of Cognitive and Affective Neuroscience
Fall 2005

Undergraduate Courses

NUTR 452, Nutritional Aspects of Disease
Spring 2016
Spring 2015

Spring 2014
Fall 2013
Spring 2013
Fall 2012
Spring 2012
Spring 2011
Fall 2010
Spring 2010
Fall 2009

NUTR 451, Nutrition Throughout the Lifecycle
Fall 2015

NUTR 425, Global Nutrition Problems
Spring 2021
Fall 2018
Fall 2016
Fall 2015
Fall 2014

The Pennsylvania State University (Guest Lectures)

Graduate Courses

NUTR 520, Readings in Nutrition
Fall 2005 (one lecture)

NUTR 511, Maternal and Child Nutrition
Spring 2020 (one lecture)
Fall 2017 (one lecture)

NUTR 502, Regulation of Nutrient Metabolism II
Spring 2016 (three lectures)

PSY 511, Foundations of Cognitive and Affective Neurosciences
Fall 2004 (two lectures)

RISE 500L, Responsible Conduct of Research in Life and Health Sciences
Spring 2021 (one lecture)
Spring 2020 (one lecture)
Spring 2019 (one lecture)

Undergraduate Courses

NUTR 456, Community Nutrition
Fall 2014 (one lecture)

NUTR 452, Nutritional Aspects of Disease
Spring 2018 (two lectures)

NUTR 451, Nutrition Throughout the Lifecycle
Fall 2016 (two lectures)

NUTR 425, Global Nutrition Problems
Fall 2013 (two lectures)
Spring 2013 (two lectures)

NUTR 370, Profession of Dietetics
Spring 2011 (one lecture)

NUTR 120, Food Preparation
Spring 1998 (two lectures)

BBH 402, African Health and Development
Fall 2017 (one lecture)

BBH 390A, Preparation for Global Health Field Experience
Spring 2018 (one lecture)

Johns Hopkins Bloomberg School of Public Health (Primary Instructor; all Graduate Courses)

IH 222.652.01, Nutrition in Disease Treatment and Prevention
4th Term 2021
4th Term 2020
4th Term 2019
4th Term 2018
4th Term 2017
4th Term 2016
4th Term 2015
4th Term 2014
4th Term 2013
4th Term 2012
4th Term 2011
4th Term 2010
4th Term 2009
4th Term 2008

Johns Hopkins Bloomberg School of Public Health (Guest Lectures; all Graduate Courses)

IH 222.860.01, Graduate Nutrition Seminar
3rd Term 2008 (one lecture)

IH 222.844.01, Food Technology and Health
4th Term 2009 (two lectures)

IH 222.658.01, Critical Thinking in Nutrition
1st Term 2007 (one lecture)

IH 222.642.01, Assessment of Nutritional Status

2nd Term 2008 (one lecture)

2nd Term 2007 (one lecture)

IH 222.641.01, Principles of Human Nutrition

1st Term 2008 (one lecture)

Other Guest Lectures

University of Massachusetts Lowell

NUTR 4650, Lab Methods in Nutrition Assessment (undergraduate course)

Fall 2020 (one lecture)

POSTDOCTORAL ASSOCIATES AND STUDENTS TRAINED IN MY LABORATORY

Postdoctoral Associates

Radhouene Doggui, PhD 2019 – 2020: Scientific Advisor, Institute of Public Health, Quebec

Samuel Scott, PhD 2015 – 2016: Research Fellow, Poverty, Health, and Nutrition Division, IFPRI

Doctoral Students

Mun Sun (Julia) Choi, 2021 – present (Purdue)

Elina Dawoodani, 2021 – present (Purdue)

Amrita Arcot, 2021 – present (PSU)

Lois Oviawe, 2019 – present (PSU)

Raphia Ngoutane, 2019 – present (PSU); co-advised with Dr. Stephen Kodish

Mihaela Ciulei, 2017 – 2020 (PSU); graduating Dec. 2020

Ruth Pobee, 2014 – 2019 (PSU); present position: Senior Research Specialist, Department of Emergency
Medicine, University of Illinois at Chicago

Laural Kelly 2012 – 2013 (PSU); present position: Center for Nutrition Policy and Promotion, USDA

Samuel Scott, 2010 – 2015 (PSU); present position: Research Fellow, Poverty, Health, and Nutrition
Division, IFPRI

Lenis Chen, PhD 2008 – 2013 (JHSPH); present position: Assistant Professor at UNC, Wilmington

Gillian Buckley, PhD 2007 – 2009 (JHSPH); present position: Study Director, National Academy of
Sciences, IOM

Master's Students

Amrita Arcot, 2019 – 2021 (PSU)

Raphia Ngoutane, 2019 – 2022 (PSU)

Mihaela Ciulei, 2015 – 2017 (PSU)

Gwen Carlson, 2013 – 2014 (PSU); co-advised with Dr. Katarzyna Kordas

Michelle Riley, 2008 – 2010 (JHSPH)

Attia Goheer, 2007 – 2009 (JHSPH)

Undergraduate Honors Students (Thesis completed in my lab)

Brigitta Marcus, 2021 – Present (Purdue)

Emily Ren, 2022 – Present (Purdue)

Marin Nagelberg, 2016 – 2019 (PSU)

Emily Pia, 2015 – 2106 (PSU)

Emily Seiger, 2014 – 2018 (PSU)
 Emma Gregory, 2013 – 2014 (PSU)
 Charlotte Bahnfleth, 2011 – 2013 (PSU)
 Amy Hudak, 2011 – 2012 (PSU)

Undergraduate Students (Research assistants; all at PSU)

Savannah Dymond, 2019 – 2020
 Alison Swiggard, 2019 – 2020
 Evelyn Jones, 2019
 Abigail Novotny, 2019
 Tyler Blake, 2018 – 2019
 Carissa Gaasche, 2017 – 2018
 Jacqueline Filli, 2017
 Amrita Arcot, 2015 – 2016
 Daniel Simons, 2015
 Caterina Myshko, 2014 – 2016
 Carly Clark, 2014 – 2015
 Bree Grim, 2014 – 2015
 Monica Hershey, 2014 – 2015
 Ruoyi Wang, 2014 – 2015
 Tianying Jiang, 2014 – 2015
 Abigail Lathrop, 2013 – 2014
 Megan Satterthwaite, 2013 – 2014
 Robyn Theuer, 2013
 Lisa Bossert, 2012 – 2013
 Gabrielle Gambino, 2012
 Kate Lalancette, 2011 – 2012
 Angela Blauch, 2010
 Austen Musso, 2010
 Meng Xu, 2010
 Chelsea Ruffo, 2009

Supervised High School Fellows (from State College Area High School, State College, PA)

Sruthi Ramesh, 2020 – 2021
 Olivia Noel, 2019 – 2020
 Jessica Irwin, 2018 – 2019
 Eva Hirsch, 2017 – 2018
 Olivia Horman, 2016 – 2017
 Julia Krawczyk, 2015 – 2016
 Alexis Corte, 2014 – 2015

GRADUATE STUDENT COMMITTEES

Dissertation Committee Chair

Mihaela Ciulei	PhD Nutritional Sciences (PSU)	2016-2020
Ruth Pobee	PhD Nutritional Sciences (PSU)	2015-2019
Samuel Scott	PhD Nutritional Sciences (PSU)	2013-2015
Lenis Chen	PhD (Public Health) (JHSPH)	2008-2013
Gillian Buckley	PhD (Public Health) (JHSPH)	2007-2009

Master's Thesis Committee Chair

Raphia Ngoutane	MS (Nutritional Sciences) (PSU)	2019-2022
Amrita Arcot	MS (Nutritional Sciences) (PSU)	2019-2021
Mihaela Ciulei	MS (Nutritional Sciences) (PSU)	2015-2017
Gwen Carlson	MS (Nutritional Sciences) (PSU)	2013-2014
Michelle Riley	MS (Public Health) (JHSPH)	2008-2010
Attia Goheer	MS (Public Health) (JHSPH)	2007-2009

Doctoral Qualifying (formerly Candidacy) Exam Committee Chair (at Penn State, as of 2019, a departmental committee, appointed on a 3-year rotating basis, tests all students in a given year)

Mihaela Ciulei	PhD (Nutritional Sciences) (PSU)	2016
Ruth Pobee	PhD (Nutritional Sciences) (PSU)	2015
Samuel Scott	PhD (Nutritional Sciences) (PSU)	2011
Lenis Chen	PhD (Human Nutrition) (JHSPH)	2009

Doctoral Comprehensive Exam Committee Chair

Mihaela Ciulei	PhD (Nutritional Sciences) (PSU)	2018
Ruth Pobee	PhD (Nutritional Sciences) (PSU)	2017
Samuel Scott	PhD (Nutritional Sciences) (PSU)	2013
Lenis Chen	PhD (Human Nutrition) (JHSPH)	2010

Dissertation Committee Member

Savannah Froese	Nutrition Science (Purdue)	2021-Present
Paddy Ssentongo	PhD (Epidemiology) (Penn State College of Medicine)	2020-2021
Nan Dou	PhD (Nutritional Sciences) (PSU)	2020-Present
Yaqi Li	PhD (Nutritional Sciences) (PSU)	2018-2019
Jennifer Ford	PhD (Nutritional Sciences) (PSU)	2017-2018
Alyssa Tindall	PhD (Nutritional Sciences) (PSU)	2017-2019
Abigail Crimmins	PhD (Ed Psych, Counseling, and Special Ed) (PSU)	2014-2016
Julie Hammons	PhD (Nutritional Sciences) (Cornell)	2012-2015
Aditi Roy	PhD (Nutritional Sciences) (PSU)	2012-2014
Sixtus Aguree	PhD (Nutritional Sciences) (PSU)	2015-2019

Master's Thesis Committee Member

Cristiana Verissimo	MS (Nutrition Science) (Purdue)	2021-Present
Shizhao Duan	MS (Nutritional Sciences) (PSU)	2016-2019
Dylan Petkus	MS (Physiology) (PSU)	2015-2016
Matthew Graziose	MS (Human Nutrition) (JHSPH)	2013
Aditi Roy	MS (Nutritional Sciences) (PSU)	2011
Frank Duca	MS (Nutritional Sciences) (PSU)	2010
Myra Shapiro	MHS (Human Nutrition) (JHSPH)	2009

Doctoral Qualifying (formerly Candidacy) Exam Committee Member (at Penn State, as of 2019, a departmental committee, appointed on a 3-year rotating basis, tests all students in a given year)

Savannah Froese	PhD (Nutrition Science) (Purdue)	2022
Hanim Diktas	PhD (Nutritional Sciences) (PSU)	2018
Christine Sanchez	PhD (Nutritional Sciences) (PSU)	2018
Emily Johnston	PhD (Nutritional Sciences) (PSU)	2017

Alyssa Spaw	PhD (Nutritional Sciences) (PSU)	2017
Emily Johnson	PhD (Nutritional Sciences) (PSU)	2017
Alyssa Tindall	PhD (Nutritional Sciences) (PSU)	2016
Shizhao Duan	PhD (Nutritional Sciences) (PSU)	2016
Yaqi Li	PhD (Nutritional Sciences) (PSU)	2015
Kate Bowen	PhD (Nutritional Sciences) (PSU)	2015
Yujin Lee	PhD (Nutritional Sciences) (PSU)	2013
Hua Jing	PhD (Human Nutrition) (JHSPH)	2008
Alison Gernand	PhD (Human Nutrition) (JHSPH)	2008
Muge Qi	PhD (Human Nutrition) (JHSPH)	2007

Doctoral Comprehensive Exam Committee Member

Paddy Ssentongo	PhD (Epidemiology) (Penn State College of Medicine)	2020
Nan Dou	PhD (Nutritional Sciences) (PSU)	2020
Hanim Ecem Diktas	PhD (Nutritional Sciences) (PSU)	2019
Jennifer Ford	PhD (Nutritional Sciences) (PSU)	2018
Alyssa Tindall	PhD (Nutritional Sciences) (PSU)	2017
Sixtus Aguree	PhD (Nutritional Sciences) (PSU)	2017
Julie Hammons	PhD (Nutritional Sciences) (Cornell)	2012
Aditi Roy	PhD (Nutritional Sciences) (PSU)	2012

MENTORED FACULTY

Stephen Kodish, Assistant Professor, Dept. of Nutritional Sciences, Penn State	2018 – present
Muzi Na, Assistant Professor, Dept. of Nutritional Sciences, Penn State	2017 – present
Deepa Sekhar, Associate Professor, Penn State College of Medicine (BIRCWH Scholar)	2013 – 2015

PROFESSIONAL SERVICE

External Review of Academic Departments and Programs

- Medical Research Council (MRC) Lifecourse Epidemiology Unit, Programme 4, University of Southampton, Southampton, UK, 2019

Grant Reviews

- Canada Foundation for Innovation, Ottawa, Ontario, Canada, 2018
- U.S. National Institutes of Health (NIH), Fogarty Global Brain Disorders Study Section ZRG1 BDCN-N 55 R. PAR Panel: Fogarty Global Brain Disorders (R01 and R21), 2017
- National Institute of Child Health and Human Development (NICHD), Special Emphasis Panel 2017/08 ZHD1 DSR-K (LR) 1, Reviewer for Loan Repayment Project (LRP), 2017
- Health Research Board (HRB), Dublin, Ireland, 2017
- National Institute of Child Health and Human Development (NICHD), Special Emphasis Panel 2016/08 ZHD1 DSR-K (90) 1, Reviewer for Loan Repayment Project (LRP), 2016
- National Institute of Food & Agriculture (USDA), Panelist for National Needs Fellowship (NNF), 2016
- National Institute of Child Health and Human Development (NICHD), Reviewer for SBIR applications for RFA “Neurodevelopmental Assessment of Infants and Children in Resource-Limited Settings (R43/R44)”, 2015
- Global Institute for Food Security Research Awards Program, Reviewer, 2013

- The French National Research Agency (ANR), Reviewer, 2013
- Bill and Melinda Gates Foundation (BMGF), Reviewer, 2011

External Review of Candidates for Promotion and Tenure

- Health and Wellness Studies Division, Binghamton University, 2022
- Department of Nutrition, University of North Carolina at Greensboro, 2021
- Department of Nutrition and Food Science, American University of Beirut, 2021
- Department of Pediatrics, University of Minnesota, 2020
- Department of Food Science and Human Nutrition, University of Illinois, 2018
- Department of Nutrition and Dietetics, Idaho State University, 2012 (requested)

Participation in Professional and Learned Societies

- Friends of Office of Nutrition Research (ONR at NIH) Steering Committee, 2022 – present
- American Society for Nutrition, Award jury for the Nevin Scrimshaw Mid-Career Award in Global Nutrition, 2020 and 2022
- American Society for Nutrition, Abstract reviewer for Cellular and Physiological Nutrition/Metabolism and Global and Public Health Nutrition topic areas, 2020
- American Society for Nutrition, Invited Judge for the Postdoctoral Research Award Competition (PRAC), supported by the DuPont Nutrition & Biosciences, 2019
- American Society for Nutrition, Award jury for the Norman Kretchmer Memorial Award in Nutrition and Development, 2017
- American Society for Nutrition, Invited Judge for the Student Travel Awards Competition at Experimental Biology, supported by the National Dairy Council, 2017
- American Society for Nutrition Membership Committee: Chair, 2014 – 2017
- American Society for Nutrition Membership Committee, Global Nutrition Council Representative: Member, 2013 – 2014
- Minisymposium at Experimental Biology: Experiences in Development and Sustainability of Nutrition Programs in Developing Countries II (Sponsored by: International Nutrition Council of the American Society for Nutrition): Chair, 2011
- Dannon Institute Nutrition Leadership Institute Domestic Committee: Member, 2007 – 2011
- Society for Research in Child Development: Member, 2005 – 2008
- International Society on Infant Studies: Member, 2005 – 2008
- American Society for Nutrition: Member: 2003 – present

Participation in Taskforces, Working Groups, and Commissioned Reports

- Neurocognition Ideation Working Group, ILSI North America, Member, 2020 –
- Nutrition-Relevant Health System Indicators Working Group, The Power of Nutrition (London), Member, 2019 – present
- Temporary Voting Member, Blood Products Advisory Committee Meeting #114, Center for Biologics Evaluation and Research, Food and Drug Administration, November 17-18, 2016
- Domain Expert, Healthy Birth, Growth, and Development Knowledge Integration, Bill and Melinda Gates Foundation, 2016 – 2018
- Invited Member, International Union of Nutrition Sciences/Micronutrient Forum/NIH Joint Taskforce: Risk benefit analysis of iron supplementation in low-income settings, 2014 – present
- Expert Interviewee, Landscaping Analysis of Brain Development Measures, Report commissioned by the Bill and Melinda Gates Foundation and Grand Challenges Canada, 2012

Editorial Boards

- PLoS ONE, Academic (Associate) Editor, Global Health and Nutrition Research, 2018 – present
- Journal of Pregnancy, Guest Editor (along with Alexander Krafft and Nils Milman), Special Issue: Anemia and Iron Deficiency in Pregnancy, 2012
- Journal of Nutrition, Guest Editor, Supplement: Responsive Feeding: Promoting Healthy Growth and Development for Infants and Toddlers, 2011
- Journal of Nutrition Editorial Board, 2010 – present

Ad Hoc Journal Review (first year of reviewing for journal indicated; ~35 reviews per year)

Advances in Nutrition	2012
American Journal of Clinical Nutrition	2003
Archives of Women's Mental Health	2009
BMC Public Health	2017
BMC Pregnancy and Childbirth	2019
BMJ Global Health	2018
British Journal of Nutrition	2011
British Medical Journal Open	2012
Child Development	2020
Child Health Journal	2019
Developmental Science	2018
Early Human Development	2007
Environmental Health Perspectives	2005
European Journal of Clinical Nutrition	2003
Food and Nutrition Bulletin	2010
International Journal of Behavioral Development	2009
Journal of the American Medical Association	2007
Journal of Clinical Psychiatry	2005
Journal of Nutrition	2004
Journal of Science and Translational Medicine	2019
Journal of Trace Elements in Medicine and Biology	2011
Lancet	2011
Lancet, Global Health	2014
Maternal and Child Health Journal	2018
Maternal and Child Nutrition	2010
Molecular Nutrition and Food Research	2006
Nutritional Neuroscience	2018
Neurochemistry International	2007
Paediatric and Perinatal Epidemiology	2009
Parenting: Science and Practice	2009
Pediatric Research	2008
Physiology and Behavior	2009
PLoS ONE	2016
Public Health Nutrition	2011
Scholarly Research Exchange	2009
Science Translational Medicine	2009
Tropical Medicine and International Health	2012

UNIVERSITY/DEPARTMENTAL SERVICE**Purdue University:**College Level (HHS, unless otherwise noted):

- Area Committee, Member, 2021 – present
- DEI Committee, Member, 2021 – present
- HHS Dean's Leadership Team, 2021 – present

Department Level (Nutrition Science, unless otherwise noted):

- Primary Committee Member (External), Department of Public Health, 2022 – present
- Public Health Equity Cluster Hire Faculty Search Committee, Chair, 2021 – 2022
- Nutrition Science Graduate Student Association, Faculty Advisor, 2021 – present
- Primary Committee Member, 2021 – present
- DEI Committee, Chair, 2021 – present
- Interdepartmental Nutrition Program Graduate Student Admissions Committee, 2021 – present
- Women's Health Faculty Search Committee, Department of Public Health, Member, 2021 – 2022
- Epidemiology Faculty Search Committee, Department of Public Health, Member, 2021 – 2022
- Health Policy Faculty Search Committee, Department of Public Health, Member, 2021 – 2022

The Pennsylvania State University:University Level:

- Schreyer Honors College's Faculty Selection Committee, 2018 – 2019
- The 33rd Annual Graduate Exhibition, Faculty Judge, 2018
- Life Science Symposium, Faculty Judge, 2017
- The 32nd Annual Graduate Exhibition, Faculty Judge, 2017
- Reformed University Fellowship, Faculty Advisor, 2014 – 2015
- The 28th Annual Graduate Exhibition, Faculty Judge, 2013
- Borlaug Fellows (one from Ghana and one from Nigeria), Mentor, 2012

College Level:

- AC14 review committee for Dr. Donna Quadri-Felitti, (Director of the School of Hospitality Management), Member, 2020
- Incoming Graduate Student Awards Committee, Member, 2018 – 2019
- Promotion and Tenure Committee, Member, 2018 – present
- Alumni Association Dissertation Award Committee, Member, 2017 – 2018
- Graduate Faculty Evaluation Committee, Member, 2017 – 2018
- Graduate Program Committee, Member, 2017 – present
- Biological and Life Sciences Interest Group, Member, 2016 – 2018
- Global Health Faculty Search Committee, Chair, 2016 – 2017
- Department Head Search Committee, Member, 2015 – 2017
- Kappa Omicron Nu, Faculty Advisor, 2012 – present
- State High Health Professions Research Fellowship, Mentor, 2014 – present
- College Scholarship Committee, Member, 2012 – 2014
- Alumni Mentoring Program, Mentor, 2006 – 2011

Department Level:

- Administrative Support Assistant 3 Search Committee, Member, 2019
- Participant for Student Nutrition Association Career Night, 2018
- Assistant Teaching Faculty Search Committee, Member, 2018
- Ad Hoc Faculty Staff Events Committee, Member, 2018 – 2019
- Advisory Committee for Online Masters of Professional Studies, Member, 2017 – 2019
- Undergraduate Curriculum Committee, Member, 2017 – 2018
- Executive Committee, Member, 2016 – present
- Promotion and Tenure Committee, Member, 2016 – 2018
- Courses and Curriculum Committee, Member, 2016 – 2018
- Nutrition Graduate Student Association, Faculty Advisor, 2014 – present
- Branding Committee, Chair, 2014 – 2015
- Applied Nutrition Faculty Search Committee, Member, 2013 – 2014
- Department Awards Committee, Chair, 2012 – 2014; Member, 2011 – 2012
- Biomarkers of Inflammation and Malnutrition Faculty Search Committee, Member, 2012 – 2013
- Community Nutrition Faculty Search Committee, Member, 2012 – 2013
- Ad Hoc New Curriculum Tract Committee, Member, 2010 – 2012
- Ruth Pike Lectureship and Colloquium Committee, Member, 2010 – 2011, 2018 – 2019
- Moderator for Faculty Panel Discussion, World Food Day, 2010
- Graduate Student Admissions Committee, Member, 2009 – 2017
Chair, 2017 – present
- Ad Hoc Equipment Committee, Member, 2009 – 2016

Johns Hopkins Bloomberg School of Public Health:

School Level:

- Organized Assistant Professor Luncheons held once/term, 2008 – 2009

Department Level:

- Departmental Honors, Awards and Scholarships Committee, Member, 2008 – 2009
- Solicitor for United Way Campaign, 2008
- Departmental Curriculum and Credentials Committee, Member 1st term, 2008
- Social and Behavioral Interventions Faculty Search Committee, Member, 2007 - 2008
- International Health Strategic Planning Committee, Member, 2007 – 2008

LANGUAGE PROFICIENCY

English, Italian