

# BRIE M. OAKS, PH.D., M.P.H.

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## EDUCATION

- 2014 Ph.D., Nutritional Biology, University of California, Davis, CA  
2009 M.P.H., Epidemiology, George Washington University, Washington, DC  
2004 B.S. Biology, B.A. Sociology, The Evergreen State College, Olympia, WA

## ACADEMIC APPOINTMENTS

- 2023-present Associate Professor, Department of Nutrition, University of Rhode Island  
2017-2023 Assistant Professor, Department of Nutrition, University of Rhode Island  
2017 Assistant Researcher, Department of Nutrition, University of California, Davis  
2015-17 Lecturer, Department of Nutrition, University of California, Davis  
2014-17 Postdoctoral Researcher, Global Nutrition, University of California, Davis

## OTHER PROFESSIONAL AFFILIATIONS AND EXPERIENCE

- 2022-present Senior Fellow, Coastal Institute, University of Rhode Island  
2018-present USDA Multistate Research Project: Nutrient Bioavailability  
2008 Fellow, Intramural Research Training Program, National Cancer Institute, NIH  
2007-08 Research Assistant, National Institute of Mental Health, NIH

## CONSULTANCY

- 2017 Systematic review and meta-analysis of hemoglobin cutoffs during pregnancy with respect to maternal and child health, World Health Organization (WHO)

## GRANTS

### Current Support

National Institutes of Health (NIH)

Neural mechanisms of protective effects of early nutrition on the development of social-emotional difficulties among children in Ghana (Administrative Supplement).

9/1/2021-6/30/2024: \$147,888

Principal Investigators: **Brietta Oaks**, Elizabeth Prado

Co-Investigators: Seth Adu-Afarwuah, Paul Hastings, Amanda Guyer, Abubakar Manu

Rhode Island Foundation

Omega-3 fatty acid intake, cortisol, and blood lead levels during pregnancy.

4/1/2020-6/30/2024: \$25,000

Principal Investigator: **Brietta Oaks**

National Institutes of Health (NIH)

Neural mechanisms of protective effects of early nutrition on the development of social-emotional difficulties among children in disadvantaged home environments in Ghana.

9/4/2019-6/30/2024: Total: \$2,629,078. Sub-award: \$431,117

Principal Investigators: Seth Adu-Afarwuah, Elizabeth Prado

Co-Investigators: **Brietta Oaks**, Paul Hastings, Amanda Guyer, Abubakar Manu

### **Previous Support**

U.S. Agency for International Development (USAID)

Micronutrient impact of oysters in the diet of women shellfishers.

4/1/2021-6/30/2023: \$125,660

Principal Investigators: **Brietta Oaks**, Seth Adu-Afarwuah

U.S. Agency for International Development (USAID)

Women shellfishers and food security

9/15/2020-9/14/2022: Total: \$1,291,101. Sub-award: \$99,048

Principal Investigators: Brian Crawford, Karen Kent

Co-Investigators: **Brietta Oaks**, Seth Adu-Afarwuah, Lalisa Dugama, Stepha McMullin, Denis Aheto

URI College of Health Sciences Faculty Summer Research Grant

6/1/2020-6/30/2020: \$2,500

Principal Investigator: **Brietta Oaks**

URI Global Mobility Travel Grant

Oyster consumption, oxidative stress, and nutritional status in Ghana.

3/1/2020-6/30/2020: \$2,000

Principal Investigator: **Brietta Oaks**

URI College of Health Sciences Faculty Summer Research Grant

6/1/2018-6/30/2018: \$4,000

Principal Investigator: **Brietta Oaks**

Thrasher Research Fund Early Career Award

Impact of prenatal and childhood nutrition on telomere length and cortisol in preschool children.

12/1/2016-11/30/2018: \$26,750

Principal Investigator: **Brietta Oaks**

## **SELECTED HONORS AND AWARDS**

- 2022 Nominated for the URI Early Career Faculty Research Excellence Award
- 2017 Emerging Leader Finalist, American Society for Nutrition
- 2017 UC Davis Taubeneck Research Award for best manuscript in the field of pregnancy and early childhood nutrition
- 2013 UC Davis Nutritional Biology Graduate Fellowship
- 2008 NIH Intramural Research Training Award
- 2008 NIH Cancer Research Training Award

## PUBLICATIONS

### Publications in Refereed Journals

\*Mentored graduate student

1. Owens BA\*, Sabik NJ, Tovar A, Ward-Ritacco CL, Melanson K, Guerriero Z, **Oaks BM**. Higher morning cortisol is associated with lower intuitive eating in midlife women. *Psychoneuroendocrinology*. 2024 Jan 9 [Epub ahead of print].
2. Bentil HJ\*, Adu-Afarwuah S, Prado EL, Arnold CD, Hastings PD, Guyer AE, Mensah MO, Manu A, Tan X, Adjetey E, Amponsah B, Ocansey ME, Dewey KG, **Oaks BM**. Sustained effects of small-quantity lipid-based nutrient supplements provided during the first 1000 days on child growth at 9-11 years in a randomized controlled trial in Ghana. *American Journal of Clinical Nutrition*. 2023 Dec 29 [Epub ahead of print].
3. Parker HW, **Oaks BM**, Buchanan AL, Vadiveloo MK. Reweighted diet quality scores are associated with mortality risk at a stronger magnitude than standard scores. *Journal of the Academy of Nutrition and Dietetics*. 2023 Sep 28;S2212-2672(23)01572-1.
4. Owens BA\*, Sabik NJ, Tovar A, Ward-Ritacco CL, **Oaks BM**. Higher intuitive eating is associated with lower adiposity in midlife women. *Eating Behaviors*. 2023;50:101796.
5. Melo Herrera Y, Tovar A, **Oaks BM**, Quashie NT, Vadiveloo M. Associations between participation in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) and maternal diet quality. *Journal of Nutrition*. 2023 Aug 19;S0022-3166(23)72549-2.
6. Prado EL, Adu-Afarwuah S, Arnold CD, Adjetey E, Amponsah B, Bentil H, Dewey KG, Guyer AE, Manu A, Mensah M, **Oaks BM**, Ocansey M, Tan X, Hastings PD. Pre- and postnatal small quantity lipid-based nutrient supplements and children's social-emotional difficulties at age 9-11 years in Ghana: Follow-up of a randomized controlled trial. *American Journal of Clinical Nutrition*. 2023 Aug;118(2):433-442.
7. Bentil HJ\*, Adu-Afarwuah S, Rossi JS, Tovar A, **Oaks BM**. Dietary magnesium intakes among women of reproductive age in Ghana: A comparison of two dietary analysis programs. *Plos One*. 2023 May 2;18(5):e0284648.
8. Young M, **Oaks BM**, Rogers HP, Tandon S, Reynaldo M, Dewey KG, Wendt AS. Maternal low and high hemoglobin concentrations and associations with adverse maternal and infant health outcomes: an updated global systematic review and meta-analysis. *BMC Pregnancy and Childbirth*. 2023 Apr 19;23(1):264.
9. Roberts N, Mengge B, **Oaks BM**, Sari N, Afandy I, Humphries A. Fish consumption pathways and food security in an Indonesian fishing community. *Food Security*. 2022 Nov.
10. Yuan H, Ocansey M, Adu-Afarwuah S, Sheridan M, Hamoudi A, Okronipa H, Kumordzie

- SM, **Oaks BM**, Prado EL. Evaluation of a tablet-based assessment tool for measuring cognition among children 4-6 years of age in Ghana. *Brain and Behavior*. 2022 Oct;12(10):e2749.
11. **Oaks BM**, Adu-Afarwuah S, Ashorn P, Lartey A, Laugero KD, Okronipa H, Stewart CP, Dewey KG. Increased risk of preterm delivery with high cortisol during pregnancy is modified by fetal sex: a cohort study. *BMC Pregnancy and Childbirth*. 2022 Sep;22:727.
  12. Davis JN, Williams A, Arnold CD, Rohner F, Wirth JP, Addo Y, Flores-Ayala RC, **Oaks BM**, Young MF, Suchdev PS, Engle-Stone R. The relationship between ferritin and body mass index is mediated by inflammation among women in higher-income countries, but not in most lower-income countries nor among young children a multi-country analysis. *Current Developments in Nutrition*. 2022 Sep 9;6(10):nzac139.
  13. Akseer N, Keats EC, Thurairajah P, Cousens S, Bétran AP, **Oaks BM**, Osrin D, Piwoz E, Gomo E, Ahmed F, Friis H, Belizán J, Dewey KG, West K, Huybregts L, Zeng L, Dibley MJ, Zagre N, Christian P, Kolsteren PW, Kaestel P, Black RE, Arifeen SE, Ashorn U, Fawzi W, Bhutta ZA, The Global Young Women's Investigators Group. Characteristics and birth outcomes of pregnant adolescents compared to older women: an analysis of individual level data from 140,000 mothers from 20 RCTs. *EClinicalMedicine*. 2022 Feb 26;45:101309.
  14. Adu-Afarwuah S, Arnold CD, Lartey A, Okronipa H, Maleta K, Ashorn P, Ashorn U, Fan YM, Matchado A, Kortekangas E, **Oaks BM**, Jackson KH, Dewey KG. Small-quantity lipid-based nutrient supplements increase infants' plasma essential fatty acid levels in Ghana and Malawi: a secondary outcome analysis of the iLiNS-DYAD randomized trials. *Journal of Nutrition*. 2022 Jan 11;152(1):286-301.
  15. Keats EC, Akseer N, Thurairajah P, Cousens S, Bhutta ZA, **The Global Young Women's Nutrition Investigators Group**. Multiple micronutrient supplementation in pregnant adolescents in low- and middle-income countries: a systematic review and a meta-analysis of individual participant data. *Nutrition Reviews*. 2022 Jan 10;80(2):141-156.
  16. Bentil HJ\*, Abreu AM\*, Adu-Afarwuah S, Rossi JS, Tovar A, **Oaks BM**. Associations between dietary magnesium intake and glycemic markers in Ghanaian women of reproductive age: a pilot cross-sectional study. *Nutrients*. 2021 Nov 19;13(11):4141.
  17. Hong BV, Zhu C, Wong M, Sacchi R, Rhodes CH, Kang JW, Arnold CD, Adu-Afarwuah S, Lartey A, **Oaks BM**, Lebrilla CB, Dewey KG, Zivkovic AM. Maternal and infant supplementation with small-quantity lipid-based nutrient supplements increases child HDL cholesterol efflux capacity and is associated with changes in the HDL glycoproteome. *ACS Omega*. 2021 Nov 18;6(47):32022-32031.
  18. Abreu AM\*, Young RR, Buchanan A, Lofgren IE, Okronipa H, Lartey A, Ashorn P, Adu-Afarwuah S, Dewey KG, **Oaks BM**. Maternal blood pressure in relation to prenatal lipid-based nutrient supplementation and adverse birth outcomes in a Ghanaian cohort: a randomized controlled trial and cohort analysis. *Journal of Nutrition*. 2021 Jun;151(6):1637-1645.
  19. **Oaks BM**, Adu-Afarwuah, Kumordzie S, Laudenslager ML, Smith DL, Lin J, Young RR, Arnold CD, Bentil H\*, Okronipa H, Ocansey M, Dewey KG. Impact of a nutritional supplement during gestation and early childhood on child salivary cortisol, hair cortisol, and telomere length at 4-6 years of age: a follow-up of a randomized controlled trial. *Stress*. 2020 Sep;23(5):597-606.
  20. Davis JN, **Oaks BM**, Engle-Stone R. The double burden of malnutrition: a systematic review of operational definitions. *Current Developments in Nutrition*. 2020 Sep;4(9):nzaa127.
  21. Williams A, Addo Y, Guo J, Ismaili S, Namaste S, **Oaks BM**, Rohner F, Suchdev P, Young

- M, Peerson J, Flores-Ayala R, Engle-Stone R. Intra-individual double burden of overweight or obesity and micronutrient deficiencies or anemia among women of reproductive age in 17 population-based surveys. *American Journal of Clinical Nutrition*. 2020 Aug 1;112(Supplement\_1):478S-487S.
22. Engle-Stone R, Guo J, Ismaily S, Addo Y, Ahmed T, **Oaks BM**, Suchdev P, Flores-Ayala R, Williams A. Intra-individual double burden of overweight and micronutrient deficiencies or anemia among preschool children in 24 population-based surveys. *American Journal of Clinical Nutrition*. 2020 Aug 1;112(Supplement\_1):468S-477S.
  23. Adams KP, Adu-Afarwuah S, Mridha MK, **Oaks BM**, Matias SL, Arnold CD, Kumordzie SM, Okronipa H, Ocansey ME, Dewey KG. The impact of maternal supplementation during pregnancy and the first 6 months postpartum on the growth status of the next child born after the intervention period: Follow-up results from Bangladesh and Ghana. *Maternal and Child Nutrition*. 2020 Apr;16(2):e12927.
  24. Kumordzie SM, Okronipa H, Arimond M, Adu-Afarwuah S, Ocansey ME, Young RR, Bentil HJ\*, Tamakloe SM, **Oaks BM**, Dewey KG. Maternal and child factors associated with child body fatness in a Ghanaian cohort. *Public Health Nutrition*. 2020 Feb;23(2):309-318.
  25. Adu-Afarwuah, Young RR, Lartey A, Okronipa H, Ashorn P, Ashorn U, **Oaks BM**, Dewey KG. Supplementation with small-quantity lipid-based nutrient supplements does not increase child morbidity in a semi-urban setting in Ghana: a secondary outcome non-inferiority analysis of the iLiNS-DYAD randomized controlled trial. *Journal of Nutrition*. 2020 Feb;150(2):382-393.
  26. Ocansey ME, Adu-Afarwuah S, Kumordzie SM, Okronipa H, Young RR, Tamakloe SM, **Oaks BM**, Dewey KG, Prado EL. The association of early linear growth and haemoglobin concentration with later cognitive, motor and social-emotional development at preschool age in Ghana. *Maternal and Child Nutrition*. 2019 Oct;15(4):e12834.
  27. Ocansey M, Pulakka A, Adu-Afarwuah S, Young RR, Kumordzie SM, Okronipa H, **Oaks BM**, Dewey KG, Prado EL. The effects of supplementing maternal and infant diets with lipid-based nutrient supplements on physical activity and sedentary behavior at preschool age in Ghana. *British Journal of Nutrition*. 2019 Sep 16:1-11.
  28. Young MF, **Oaks BM**, Tandon S, Martorell R, Dewey KG, Wendt AS. Maternal hemoglobin concentrations across pregnancy and maternal and child health: a systematic review and meta-analysis. *Annals of the New York Academy of Sciences*. 2019 Aug;1450(1):47-68.
  29. Kumordzie SM, Adu-Afarwuah S, Arimond M, Young RR, Adom T, Boatman R, Ocansey ME, Okronipa H, Prado EL, **Oaks BM**, Dewey KG. Maternal and infant lipid-based nutritional supplementation increases height of Ghanaian children at 4-6 years only if mother was not overweight before conception. *Journal of Nutrition*. 2019 May 1;149(5):847-855.
  30. Okronipa H, Arimond M, Arnold CD, Young RR, Adu-Afarwuah S, Tamakloe SM, Ocansey ME, Kumordzie SM, **Oaks BM**, Menella JA, Dewey KG. Exposure to a slightly sweet lipid-based nutrient supplement during early life does not increase the level of sweet taste most preferred among 4 to 6-year-old Ghanaian children: follow-up of a randomized controlled trial. *American Journal of Clinical Nutrition*. 2019 Apr 1;109(4):1224-1232.
  31. Adams KP, Adu-Afarwuah S, Bentil H\*, **Oaks BM**, Young RR, Vosti SA, Dewey KG. The effects of a nutrient supplementation intervention in Ghana on parents' investments in their children. *PLOS One*. 2019 Mar 13;14(3):e0212178.
  32. Okronipa H, Arimond M, Young RR, Arnold CD, Adu-Afarwuah S, Tamakloe SM, Bentil

- H\*, Ocansey ME, Kumordzie SM, **Oaks BM**, Dewey KG. Exposure to a slightly sweet lipid-based nutrient supplement during early life does not increase the preference for or consumption of sweet foods and beverages by 4-6-y-old Ghanaian preschool children: follow-up of a randomized controlled trial. *Journal of Nutrition*. 2019 Mar 1;149(3):532-541.
33. Kumordzie SM, Adu-Afarwuah S, Young RR, **Oaks BM**, Tamakloe SM, Ocansey ME, Okronipa H, Prado EL, Dewey KG. Maternal-infant supplementation with small-quantity lipid-based nutrient supplements does not affect child blood pressure at 4-6 y in Ghana: follow-up of a randomized trial. *Journal of Nutrition*. 2019 Mar 1;149(3):522-531.
  34. **Oaks BM**, Jorgensen JM, Baldiviez LM, Adu-Afarwuah, Maleta K, Okronipa H, Sadalaki J, Lartey A, Ashorn P, Ashorn U, Vosti SA, Allen LH, Dewey KG. Prenatal iron deficiency and replete iron status are associated with adverse birth outcomes, but associations differ in Ghana and Malawi. *Journal of Nutrition*. 2019 Mar 1;149(3):513-521.
  35. Ocansey ME, Adu-Afarwuah S, Kumordzie SM, Okronipa H, Young RR, Tamakloe SM, **Oaks BM**, Dewey KG, Prado EL. Prenatal and postnatal lipid-based nutrient supplementation and cognitive, social-emotional, and motor function in preschool-aged children in Ghana: a follow-up of a randomized controlled trial. *American Journal of Clinical Nutrition*. 2019 Feb 1;109(2):322-334.
  36. Prado EL, Yakes Jimenez E, Vosti SA, Stewart RC, Stewart CP, Somé JW, Pulakka A, Ouédraogo JB, Okronipa H, Ocansey E, **Oaks B**, Maleta K, Lartey A, Kortekangas E, Hess SY, Brown KH, Bendabenda J, Ashorn U, Ashorn P, Arimond M, Adu-Afarwuah S, Abbeddou S, Dewey KG. Path analyses of risk factors for linear growth faltering in four prospective cohorts of young children in Ghana, Malawi, and Burkina Faso. *BMJ Global Health*. 2019 Jan 13;4(1):e001155.
  37. Adu-Afarwuah S, Young RR, Lartey A, Okronipa H, Ashorn P, Ashorn U, **Oaks BM**, Arimond M, Dewey KG. Maternal-infant supplementation with small-quantity lipid-based nutrient supplements increases infants' iron status at 18 mo of age in a semi-urban setting in Ghana: a secondary outcome analysis of the iLiNS DYAD randomized controlled trial. *Journal of Nutrition*. 2019 Jan 1;149(1):149-158.
  38. Adams KP, Okronipa H, Adu-Afarwuah S, Arimond M, Kumordzie S, **Oaks BM**, Ocansey ME, Young RR, Vosti SA, Dewey KG. Ghanaian parents' perceptions of pre and postnatal nutrient supplements and their effects. *Maternal and Child Nutrition*. 2018 Oct;14(4):e12608.
  39. Ashorn P, Alho L, Allen LH, Ashorn U, Chandrasiri U, Deitchler M, Doyle R, Harjunmaa U, Jorgensen J, Klein N, Maleta K, Nkhoma M, **Oaks BM**, Poelman B, Rogerson S, Stewart CP, Zeilani M, Dewey KG. Co-causation of reduced newborn size by maternal undernutrition, infections, and inflammation. *Maternal and Child Nutrition*. 2018 Jul;14(3):e12585.
  40. Prado EL, Phuka J, Ocansey E, Maleta K, Ashorn P, Ashorn U, Adu-Afarwuah S, **Oaks BM**, Lartey A, Dewey KG. A method to develop vocabulary checklists in new languages and their validity to assess early language development. *Journal of Health, Population, and Nutrition*. 2018 May 11;37(1):13.
  41. Prado EL, Ashorn U, Phuka J, Maleta K, Sadalaki J, **Oaks BM**, Haskell M, Allen LH, Vosti SA, Ashorn P, Dewey KG. Associations of maternal nutrition during pregnancy and postpartum with maternal cognition and caregiving. *Maternal and Child Nutrition*. 2018 Apr;14(2):e12546.
  42. Dewey KG, **Oaks BM**. U-shaped curve for risk associated with maternal hemoglobin, iron

- status or iron supplementation. *American Journal of Clinical Nutrition*. 2017 Dec;106(Suppl 6):1694S-1702S.
43. Prado EL, Abbeddou S, Adu-Afarwuah S, Arimond M, Ashorn P, Ashorn U, Bendabenda J, Brown KH, Hess SY, Kortekangas E, Lartey A, Maleta K, **Oaks BM**, Ocansey E, Okronipa H, Ouédraogo JB, Pulakka A, Somé JW, Stewart CP, Stewart RC, Vosti SA, Jimenez EY, Dewey KG. Predictors and pathways of language and motor development in four large prospective cohorts of young children in Ghana, Malawi, and Burkina Faso. *Journal of Child Psychology and Psychiatry*. 2017 Nov;58(11):1264-1275.
  44. **Oaks BM**, Stewart CP, Laugero KD, Adu-Afarwuah S, Lartey A, Vosti SA, Ashorn P, Dewey KG. Maternal plasma cholesterol and duration of pregnancy: a prospective cohort study in Ghana. *Maternal and Child Nutrition*. 2017 Oct;13(4):e12418.
  45. Adu-Afarwuah S, Lartey A, Okronipa H, Ashorn P, Zeilani M, Baldiviez LM, **Oaks BM**, Vosti SA, Dewey KG. Impact of small-quantity lipid-based nutrient supplement on hemoglobin, iron status and biomarkers of inflammation in pregnant Ghanaian women. *Maternal and Child Nutrition*. 2017 Apr;13(2):e12262.
  46. **Oaks BM**, Young R, Adu-Afarwuah S, Ashorn U, Jackson KH, Lartey A, Maleta K, Okronipa H, Sadalaki J, Baldiviez LM, Shahab-Ferdows S, Ashorn P, Dewey KG. Effects of a lipid-based nutrient supplement during pregnancy and lactation on maternal plasma fatty acid status and lipid profile: results of two randomized controlled trials. *Prostaglandins, Leukotrienes and Essential Fatty Acids*. 2017 Feb;117:28-35.
  47. **Oaks BM**, Laugero KD, Stewart CP, Adu-Afarwuah S, Lartey A, Ashorn P, Vosti SA, Dewey KG. Late pregnancy salivary cortisol concentrations of Ghanaian women participating in a randomized controlled trial of prenatal lipid-based nutrient supplements. *Journal of Nutrition*. 2016 Feb;146(2):343-52.
  48. Stewart CP, **Oaks BM**, Laugero KD, Ashorn U, Harjunmaa U, Kumwenda C, Chaima D, Maleta K, Ashorn P, Dewey KG. Maternal cortisol and stress are associated with birth outcomes, but are not affected by lipid-based nutrient supplements during pregnancy: an analysis of data from a randomized controlled trial in rural Malawi. *BMC Pregnancy and Childbirth*. 2015 Dec;15(1):346.
  49. **Oaks BM**, Dodd KW, Meinhold CL, Jiao L, Church TR, Stolzenberg-Solomon RZ. Folate intake, post-folic acid grain fortification, and pancreatic cancer risk in the Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial. *American Journal of Clinical Nutrition*. 2010 Feb;91(2):449-55.

### **Submitted**

50. Owens BA, Sabik NJ, Ward-Ritacco CL, Tovar A, Melanson K, **Oaks BM**. Intuitive eating is associated with lower depressive symptoms in premenopausal but not postmenopausal women. *Journal of Nutrition Education and Behavior*.
51. **Oaks BM**, Gyimah EA, Kleban E, Ragsdale K, Iannotti LL. Mollusk and crustacean consumption in the first 1,000 days: a scoping review. *Nutrition Research Reviews*.
52. Tucker JL, Arcoleo K, DiTomasso D, **Oaks BM**, Cabral H, São-João T. Hospital breastfeeding support during the coronavirus disease 2019 (COVID-19) pandemic: worsening care for Black, Hispanic, and Asian mothers. *Maternal and Child Health Journal*.
53. Tucker JL, Arcoleo K, DiTomasso D, **Oaks BM**, Cabral H, São-João T. Racial and ethnic disparities in hospital breastfeeding care in the U.S. *Maternal and Child Health Journal*.
54. Benti HJ\*, Daang EM, Guyer AE, Yuan H, Adu-Afarwuah S, Amponsah B, Manu A,

- Mensah M, Demuyakor ME, Arnold CD, **Oaks BM**, Prado EL, Hastings PD. Assessing children's autonomic nervous system activity during structured tasks: A feasibility and reliability study in Ghana. *Journal of Developmental Psychobiology*.
55. Abreu AM\*, Gomez-Chiarri M, Adu-Afarwuah S, **Oaks BM**. Heavy metal contamination and micronutrient content of dried smoked oysters from the Densu Estuary in Ghana. *Environmental Advances*.

### **Technical Reports**

Adu-Afarwuah S, Kyei-Arthur F, Ali Z, **Oaks BM**. 2022. Dietary Intakes, Food Security, and Anemia Prevalence among Women Shellfishers in Selected Estuary Sites in Ghana and The Gambia. University of Ghana Department of Nutrition, University of Rhode Island Department of Nutrition and Food Sciences, and Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. Narragansett, RI, USA.

Ashorn P, Poelman B, Dewey KG, Maleta K, Klein N, Rogerson S, Meshnick SR, and **the LNS-RTI Study Team**. 2017. The Associations between Nutrition, Stress, Infection, and Inflammation and Maternal Health and Pregnancy Outcomes in Rural Malawi. Washington, DC: FHI 360/Food and Nutrition Technical Assistance III Project (FANTA).

Ashorn P, Poelman B, Dewey KG, Maleta K, Klein N, Rogerson S, Meshnick SR, and **the LNS-RTI Study Team**. 2017. The Impact of Dietary Supplementation with Lipid-Based Nutrient Supplements on Maternal Health and Pregnancy Outcomes in Rural Malawi. Washington, DC: FHI 360/Food and Nutrition Technical Assistance III Project (FANTA).

## **PRESENTATIONS**

### **Invited Talks**

“Micronutrient impact of oysters in the diet of women shellfishers.” USAID Innovation Lab for Fish Annual Meeting. New Orleans, LA. February 2023.

“Oysters, micronutrients, and women's nutrition: current challenges and research in West Africa.” Institute for Global Nutrition seminar, University of California, Davis. December 2021.

“Micronutrient impact of oysters in the diet of women shellfishers.” Borlaug Dialogue side event, Using Fish to Mitigate Malnutrition: Research to Test Innovative, Sustainable Approaches. World Food Prize Foundation. October 2021.

“Innovations in shellfish harvesting to increase entrepreneurship for women.” Global Agriculture Innovation Forum, Purdue University webinar. July 2021.

“iLiNS-DYAD-G: Effects on maternal and child iron status and anemia.” iLiNS-DYAD-G2 Research Dissemination Meeting. Fiesta Royale Hotel, Accra, Ghana. February 2020.

“Nutrition, cortisol, and birth outcomes.” Women's Medicine Collaborative seminar. Miriam Hospital, Providence, RI. June 2019.



“Fatty acids, cortisol, and lead during pregnancy.” USDA National Institute of Food and Agriculture Multistate Research Project: Nutrient Bioavailability – Phytonutrients and Beyond annual meeting. University of California, Davis. February 2019.

“Nutrition, stress, and birth outcomes: insights from Ghana and Malawi.” Nutrition research lab seminar, Yale University. November 2017.

“Associations of maternal cortisol, inflammation, hemoglobin, iron status, and BMI with birth outcomes in pregnant women in Ghana.” Program in International and Community Nutrition seminar, University of California, Davis. June 2015.

“Fish consumption, erythrocyte fatty acids, and preterm birth.” Program in International and Community Nutrition seminar, University of California, Davis. March 2012.

### **Conference Presentations**

\*Student or trainee for whom I was a mentor.

Bentil HJ\*, Adu-Afarwuah S, Prado EL, Arnold CD, Hastings PD, Guyer AE, Mensah MO, Manu A, Tan X, Adjetey E, Amponsah B, Ocansey ME, Dewey KG, **Oaks BM**. Sustained effects of small-quantity lipid-based nutrient supplements provided during the first 1000 days on child growth at 9-11 years in a randomized controlled trial in Ghana. Poster presentation. American Society for Nutrition. Boston, MA. July 2023.

**Oaks BM**, Ali Z, Kyei-Arthur F, Crawford B, Duguma L, Kent K, McMullin S, Adu-Afarwuah S. Anemia, food security, and oyster consumption among women shellfishers in Ghana and The Gambia. International Congress of Nutrition. Poster presentation. Tokyo, Japan. December 2022.

**Oaks BM**, Iannotti LL, Ragsdale K, Tolar-Peterson T. Role of Fish and Other Aquatic Animal-Source Food in Enhancing Nutrition and Food Security among Vulnerable Populations in sub-Saharan Africa: Evidence from Ghana, Kenya, Nigeria, and Zambia. Invited panelist oral presentation. American Public Health Association Annual Meeting. Boston, MA. November 2022.

**Oaks BM**, Adu-Afarwuah S. Assessment of oyster consumption, anemia, and food insecurity. Oral presentation. Cultivating Equality Conference: Advancing Gender Research in in Agriculture and Food Systems. CGIAR and Wageningen University. Online. October 2021.

Whewell A\*, **Oaks BM**. Stress and eating behavior. Poster presentation. RI-INBRE Summer Undergraduate Research Fellowship Conference. University of Rhode Island, Kingston, RI. July 2021.

Owens BA\*, Sabik N, Tovar A, Ward-Ritacco CL, **Oaks BM**. Association between intuitive eating and body composition in middle-aged women. Poster presentation. Graduate School Research Symposium. U.S. Army Medical Center of Excellence Graduate School. Online. June 2021.

Abreu AM\*, Gomez-Chiarri M, **Oaks BM**. Micronutrient and metal content of dried oysters in Ghana. American Society for Nutrition. Online. June 2020.

Georgio A\*, Amin S, Gorman K, **Oaks BM**. Prenatal vitamin use in Rhode Island according to the supplemental nutrition program for women, infants, and children (WIC) participation. American Society for Nutrition. Online. June 2020.

Yuan H, Ocansey M, **Oaks BM**, Sheridan M, Okronipa H, Hamoudi A, Kumordzie S, Adu-Afarwuah S, Prado EL. Feasibility of using tablet-based cognitive assessments in a large randomized trial in Ghana. American Society for Nutrition. Online. June 2020.

Abreu AM\*, Young RR, Buchanan A, Lofgren IE, Okronipa H, Lartey A, Ashorn P, Adu-Afarwuah S, Dewey KG, **Oaks BM**. Maternal blood pressure in relation to birth outcomes and consumption of a lipid-based nutrient supplement. Oral presentation. American Society for Nutrition, Baltimore, MD. *Young Minority Investigator Finalist*. June 2019.

Young MF, **Oaks BM**, Tandon S, Mortorell R, Dewey KG, Wendt AS. Maternal hemoglobin concentrations across pregnancy and maternal and child health: a systematic review and meta-analysis. Poster presentation. American Society for Nutrition, Baltimore, MD. June 2019.

Davis J, **Oaks BM**, Engle-Stone R. The double burden of malnutrition: a systematic review of operational definitions. Poster presentation. American Society for Nutrition, Baltimore, MD. June 2019.

**Oaks BM**, Adu-Afarwuah, Kumordzie S, Laudenslager ML, Smith DL, Lin J, Young RR, Arnold CD, Bentil H\*, Okronipa H, Ocansey M, Dewey KG. Impact of a nutritional supplement during pregnancy and early childhood on child stress response and hair cortisol at 4-6 years of age. Oral presentation. American Society for Nutrition, Boston, MA. June 2018.

Balletto J\*, **Oaks BM**. Multivitamin usage and anemia in college students. Poster presentation. Honors Program Annual Conference. University of Rhode Island, Kingston, RI. May 2018.

Young MF, **Oaks BM**, Tandon S, Martorell R, Dewey KG, Wendt A. Maternal hemoglobin concentrations and maternal and child health: The role of etiology of anemia and times of measurement. Oral presentation. WHO Technical meeting: Use and interpretation of hemoglobin concentration for assessing anemia status in individuals and populations. World Health Organization, Geneva, Switzerland. November 2017.

**Oaks BM**, Dewey KG, Maleta K, Sadalaki J, Ashorn U, Vosti SA, Harris WS, Ashorn P. Plasma alpha-linolenic and linoleic acids in early pregnancy are associated with birth outcomes in rural Malawi. Oral presentation & poster presentation. Experimental Biology, Chicago, IL. *Emerging Leaders in Nutrition Science Finalist*. April 2017.

Prado EL, Ashorn U, Phuka J, Maleta K, Sadalaki J, **Oaks BM**, Haskell M, Allen LH, Vosti SA, Ashorn P, Dewey KG. Associations of maternal nutrition during pregnancy and postpartum with maternal cognition and mother-child interaction. Oral presentation. Experimental Biology, Chicago, IL. April 2017.

**Oaks BM**, Jorgensen JM, Matias SL, Baldiviez LM, Mridha M, Adu-Afarwuah S, Maleta K, Okronipa H, Sadalaki J, Lartey A, Ashorn P, Ashorn U, Allen LH, Dewey KG. Associations of maternal hemoglobin and iron status with pregnancy outcomes in three countries. Poster presentation. Micronutrient Forum Global Conference, Cancun, Mexico. October 2016.

**Oaks BM**, Stewart CP, Laugero KD, Adu-Afarwuah S, Lartey A, Vosti SA, Ashorn P, Dewey KG. Low plasma concentrations of high-density lipoprotein cholesterol (HDL-C) associated with shorter duration of pregnancy: a nested cohort study in Ghana. Oral presentation. Experimental Biology, San Diego, CA. April 2016.

**Oaks BM**, Stewart CP, Laugero KD, Adu-Afarwuah S, Lartey A, Baldiviez LM, Vosti SA, Ashorn P, Dewey KG. Associations of maternal cortisol, inflammation, hemoglobin, iron status, and BMI with birth outcomes in pregnant women in Ghana. Poster presentation. Experimental Biology, Boston, MA. March 2015.

**Oaks BM**, Laugero KD, Stewart CP, Adu-Afarwuah S, Lartey A, Ashorn P, Vosti SA, Dewey KG. Lipid-based nutrient supplementation during pregnancy decreases maternal cortisol in younger women. Oral presentation & poster presentation. Experimental Biology, San Diego, CA. *Global Nutrition Council poster competition finalist*. April 2014.

**Oaks BM**, Nommsen-Rivers LA, Chantry CJ, Dewey KG. Knowledge of breastfeeding recommendations among pregnant women who had attended a WIC breastfeeding class. Poster presentation. Experimental Biology, Washington, DC. April 2011.

**Oaks BM**, Dodd KW, Meinhold CL, Jiao L, Church TR, Stolzenberg-Solomon RZ. Folate intake and pancreatic cancer risk. Oral presentation. Experimental Biology, Anaheim, CA. April 2010.

**Oaks BM**, Dodd KW, Meinhold CL, Jiao L, Church TR, Stolzenberg-Solomon RZ. Folate intake and pancreatic cancer risk in the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial. Poster presentation. American Institute for Cancer Research, Washington, DC. November 2008.

**Oaks BM**, Merikangas KR. Behavioral, emotional, and substance use disorders in minority youths. Poster presentation. National Institutes of Health, Rockville, MD. December 2007.

**Oaks BM**, Merikangas KR. Parent-child agreement for emotional and behavioral diagnosis in children. Poster presentation. National Institutes of Health, Rockville, MD. August 2007.

**Oaks BM**, Murray N. Effects of bisphenol A on *Xenopus laevis* oocytes. Poster presentation. The Evergreen State College Science Symposium, Olympia, WA. June 2003.

## **STUDENTS MENTORED AT URI**

### **Doctoral**

2023-present Evelyn Mensah

2020-2023 Bridget Owens

2019-2023 Alyssa Abreu (ASN Young Minority Investigator Finalist; CHS Graduate Diversity Research Award)  
2018-2022 Helena Bentil (URI Graduate School Fellowship)

### **Masters**

2023-present Kenneth Addae  
2022-present Kelly Zarka  
2023-present Zachary Jacques  
2020 Zachary DeSimone (lab rotation)  
2018-20 Celia Medeiros  
2018-20 Allisa Georgio  
2017-19 Alyssa Abreu

### **Undergraduate**

2023-present Angelica James  
2023-present Sophie Herrman  
2022-present Ashley Childs  
2022-present Madison Howard  
2023 Kelly MacKay  
2023 Zachary Jacques  
2023 Abby Rickard  
2023 Alexis Souza  
2021-2022 Zachary Guerrio (honors project)  
2020-2022 Sydney Chratian (honors project)  
2021 Elisa Perez  
2021 Maria Meola  
2021 Jenna Mucciarone  
2020-2021 Austin Whewell  
2019-2021 Blaine Ramalho (CHS Undergraduate Diversity Research Award)  
2019 Jaelyn Creazzo  
2018-20 Chesi Piccolo  
2017-18 Jordan Balletto (honors project)  
2017-18 Celia Medeiros

### **RI-INBRE Bridge to Graduate School Fellowship Mentor**

2021-2022 Austin Whewell

### **RI-INBRE Summer Undergraduate Research Fellowship Mentor**

2020 Austin Whewell

### **Doctoral Committee Member**

2023-present Hannah Piracini, Environmental and Life Sciences  
2022-present Lindsey Eaton, Sustainable Agriculture and Food Systems  
2022-present Jane Tucker, Nursing  
2022-present Emily Kenyon, Psychology  
2021-present Yarisbel Herrera, Nutrition  
2018-2022 Haley Parker, Nutrition  
2019-2021 Riley Kirk, Pharmacy

### **Masters Committee Member**

2022-present Alysia Carcieri, Human Development and Family Sciences  
2022-2023 Diana Ho, Psychology  
2022-2023 Sasnita Sasnita, Environmental Science Management  
2020-21 Nicky Roberts, Biological and Environmental Sciences

### **Dissertation Defense Chair**

2020 Shelby Johnson, Pharmacy  
2019 Nicholas DaSilva, Pharmacy

## **STUDENTS MENTORED AT OTHER UNIVERSITIES**

### **Doctoral Committee Member**

2022-present Helena Nti, Nutrition, University of Ghana

## **TEACHING EXPERIENCE**

### **URI**

2020-present Global Nutrition (graduate)  
2019-present General Nutrition (undergraduate)  
2017-present Micronutrient Nutrition (undergraduate)  
2021-2022 College of Health Sciences Graduate Seminar (co-instructor)

### **Brown University**

2022 Guest Lecturer, Global Public Health Interventions (undergraduate)

### **UC Davis**

2015-17 International Nutrition: Epidemiology, Etiology and Consequences of Malnutrition in Lower-Income Countries (co-instructor, graduate)

## **PROFESSIONAL SERVICE**

### **University and Department Appointments and Committees**

2022-present College of Health Sciences Curriculum Committee  
2019-present University Global Steering Committee  
2019-present Nutrition Graduate Committee  
2023 Search Committee for Dean of College of Health Sciences  
2022-2023 Chair of Search Committee for a tenure-track nutrition faculty  
2021-2022 Search Committee for a tenure-track nutrition faculty  
2020-2022 College of Health Sciences Diversity, Equity & Inclusion Committee  
2021 University program assessment reviewer  
2021 Search Committee for Chair of the nutrition department  
2017-20 Nutrition Promotion and Tenure Committee  
2017-19 University SciWrite faculty fellow

## **Editorial Board**

Maternal & Child Nutrition

## **Ad Hoc Peer Reviewer**

American Journal of Clinical Nutrition

Journal of Nutrition

Current Developments in Nutrition

Maternal and Child Nutrition

Nutrients

British Journal of Nutrition

PLOS Medicine

Journal of the American College of Nutrition

British Medical Journal Open

Psychoneuroendocrinology

International Journal for Vitamin and Nutrition Research

International Journal of Behavioral Medicine

Health Psychology

## **Grant and Abstract Reviewer**

2023 Grant Reviewer, Advance-CTR

2017, 2020 Grant Reviewer, Medical Research Council

2019 Grant Reviewer, Wellcome Trust

2018 Abstract Reviewer, Global Nutrition, American Society Nutrition Annual Meeting

2016 Abstract Reviewer, Maternal, Perinatal & Pediatric Nutrition, Experimental Biology Conference

## **Society Memberships**

American Society for Nutrition

American Public Health Association

Society for Pediatric and Perinatal Epidemiologic Research