

CURRICULUM VITAE

Sarah A. Keim

PRESENT TITLE AND AFFILIATION

DUAL/JOINT APPOINTMENT

Professor
Department of Pediatrics
The Ohio State University College of Medicine
Columbus, Ohio

Professor
Division of Epidemiology
The Ohio State University College of Public Health
Columbus, Ohio

Principal Investigator
Center for Biobehavioral Health
The Abigail Wexner Research Institute at Nationwide Children's Hospital
Columbus, Ohio

CITIZENSHIP AND VISA STATUS

U.S. Citizen

OFFICE ADDRESS

Center for Biobehavioral Health
The Research Institute at Nationwide Children's Hospital
700 Children's Drive, NA3644
Columbus Ohio 43205
P: 614-722-3177
F: 614-722-3544
Sarah.Keim@NationwideChildrens.org

June 2022

EDUCATION

UNDERGRADUATE EDUCATION

5/1997	College of William & Mary Williamsburg, Virginia	B.A. Environmental Science, Government
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GRADUATE EDUCATION

5/1999	University of Wisconsin Madison, Wisconsin	M.A. Public Affairs and Administration
8/2005	University of Wisconsin Madison, Wisconsin	M.S. Land Resources
5/2009	University of North Carolina Chapel Hill, North Carolina	Ph.D. Epidemiology

ACADEMIC APPOINTMENTS

2021-Present	<i>Professor (primary appointment)</i> Department of Pediatrics College of Medicine The Ohio State University Columbus, Ohio
2021-Present	<i>Professor (courtesy appointment)</i> Division of Epidemiology College of Public Health The Ohio State University Columbus, Ohio
2011-Present	<i>Principal Investigator</i> Center for Biobehavioral Health The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2016-Present	<i>Associate Professor (primary appointment)</i> Department of Pediatrics College of Medicine The Ohio State University Columbus, Ohio
2016-Present	<i>Associate Professor (courtesy appointment)</i> Division of Epidemiology College of Public Health The Ohio State University Columbus, Ohio
2011-16	<i>Assistant Professor (primary appointment)</i> Department of Pediatrics

2011-16	College of Medicine The Ohio State University Columbus, Ohio <i>Assistant Professor (courtesy appointment)</i> Division of Epidemiology College of Public Health The Ohio State University Columbus, Ohio
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STATE LICENSURE AND CERTIFICATIONS

SUPPLEMENTAL PROFESSIONAL TRAINING

2005, 2014, 2016, 2019	CITI Courses in the Protection of Human Research Subjects
2002	Certified federal project officer
2001	Project Management Principles. Management Concepts training course.
1999-2004	Information Security, Budget Formulation, Federal Budget Process, and Employee Supervision. NIH training courses.

SERVICE

INSTITUTIONAL/LOCAL ACTIVITIES

2011-15	<i>Member</i> Children's Health Research Center Seminar Series Organizing Committee The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2011-14	<i>Back-up Representative</i> Research Institute Technology Advisory Committee The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2012-present	<i>Faculty Advisor</i> Patient Centered Pediatric Research (PC-PREP) Post-doctoral Training Program Steering Committee The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2012-17	<i>Member</i> Grant Proposal Review Committee The Ohio State University Food Innovation Center Columbus, Ohio

2012-present	<i>Member</i> Clinical Breastfeeding Initiatives Committee Division of Neonatology Nationwide Children's Hospital Columbus, Ohio
2013-14	<i>Member</i> Faculty Search Committee Center for Injury Research and Policy The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2014	<i>Participant</i> Faculty "Roads Scholar" Tour The Ohio State University Columbus, Ohio
2014, 2018	<i>Ad hoc Student Grant Application Reviewer</i> Roessler Scholar Program/ Summer Research The Ohio State University College of Medicine Columbus, Ohio
2015-16	<i>Member</i> Faculty Search Committee Center for Injury Research and Policy The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2016-17	<i>Member</i> Post-doctoral Grant Review Committee The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2014-	<i>Lead Organizer</i> Junior Faculty Writing Group, Center for Biobehavioral Health/Center for Innovation in Pediatric Practice The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2016-	<i>Affiliate Faculty Member</i> Center for Injury Research and Policy The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2017-present	<i>Co-Director</i>

Patient Centered Pediatric Research (PC-PREP) Post-doctoral Training Program
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2017-18 *Member*
Faculty Search Committee
Center for Injury Research and Policy
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2019-present *Member*
Neurodevelopmental Research Affinity Group
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2020-present *Member*
Primary Care Pediatrics Research Affinity Group
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2019 *Grant reviewer*
Pilot Grant Program Proposal Reviewer
Center for Clinical and Translational Science (CCTS)
The Ohio State University
Columbus, Ohio

2019-2022 *Committee Member*
Intramural Grant Program
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2020- *Subcommittee Chair (Workforce Development)*
Diversity and Inclusion Committee
Center for Biobehavioral Health
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2021- *Standing Data and Safety Monitoring Board*
Center for Clinical and Translational Science (CCTS)
The Ohio State University
Columbus, Ohio

2021- *Research Faculty Working Group*
Center for Faculty Development
Nationwide Children's Hospital

Columbus, Ohio

NATIONAL/INTERNATIONAL ACTIVITIES

2011	<i>Ad hoc Grant Reviewer</i> Health Research Awards Grant Program Health Research Board (Ireland's national health research funding agency) Dublin, Ireland
2014	<i>Ad hoc Grant Reviewer</i> Austrian Science Fund (Austria's central funding organization for basic research) Vienna, Austria
2014	<i>Ad hoc Grant Reviewer</i> PSI Foundation Toronto, Ontario
2014-present	<i>Scientific Advisory Board member</i> Cures Within Reach & Global Cures Chicago, Illinois
2015-16	<i>Member</i> 50 th Anniversary Conference Planning Committee Society for Epidemiologic Research Seattle, Washington
2016-present	<i>Standing Grant Review Panel</i> Cures Within Research Chicago, Illinois
2016	<i>Ad hoc Grant Reviewer</i> IdEx Post-doctoral Fellowship Program Agence Nationale de la Recherche (French government research agency) Bordeaux, France
2016	<i>Ad hoc Grant Reviewer</i> Maternal, Newborn, Child & Youth (MNCY) Strategic Clinical (SCN) Health Outcomes Improvement Fund Alberta Health Services (provincial health care agency) Alberta, Canada
2017	<i>Study Section Member, Ad Hoc</i>

	<p>Infectious, Reproductive, Asthma, and Pulmonary Conditions (IRAP) Study Section, National Institutes of Health Alexandria, Virginia</p>
2018	<p><i>Proposal Reviewer- Health Research Contracts</i> State of Florida Bartow, FL</p>
2018	<p><i>Study Section Member – R40 Field-Initiated Innovative Research Studies Program (FIRST)</i> U.S. Health Resources and Services Administration (HRSA) Maternal and Child Health Bureau Hyattsville, MD</p>
2018-	<p><i>Program Ambassador</i> National Institutes of Health Loan Repayment Program Bethesda, MD</p>
2018, 2019	<p><i>Ad hoc Grant Reviewer</i> American Indian-Alaska Native Clinical Translational Research Program University of Alaska at Anchorage / University of Montana (National Institute of General Medical Sciences, NIH, IDeA Program) Missoula, MT</p>
2018-	<p><i>Full Member</i> College of Reviewers Canadian Institutes of Health Research (CIHR) Ottawa, ON</p>
2018	<p><i>Grant Reviewer</i> CureAccelerator Live! Mid-Atlantic Repurposing Research Grant Program Cures Within Reach Chicago, IL</p>
2018	<p><i>Remote Assessor (grant reviewer)</i> COALESCE Research Fund Irish Research Council Ballsbridge, Ireland</p>
2019	<p><i>Study Section Member</i> Field Initiated Projects Program Grants, National Institute on Disability, Independent Living, and Rehabilitation Research, Administration for Community Living, U.S. Department of Health and Human Services</p>

Washington, DC

2019

Grant Reviewer
John R. Evans Leaders Fund
Canada Foundation for Innovation (CFI)
Ottawa, ON

2021

Study Section Member - Alternate
Field Initiated Projects Program Grants, National Institute on
Disability, Independent Living, and Rehabilitation Research,
Administration for Community Living, U.S. Department of Health
and Human Services
Washington, DC

2021

Grant Review Panel Member
Clinical Investigation – A: Reproduction, Maternal, Child and Youth
Health (CIA)
Canadian Institutes of Health Research
Ottawa, ON

2022

Study Section Member
Special Emphasis Panel – Topics in Child and Adolescent
Biobehavioral Development, Psychopathology, Sleep, and Cognitive
Function, National Institutes of Health
Bethesda, MD

2022

Study Section Member
Field Initiated Projects Program Grants, National Institute on
Disability, Independent Living, and Rehabilitation Research,
Administration for Community Living, U.S. Department of Health
and Human Services
Washington, DC

MILITARY OR OTHER GOVERNMENT SERVICE

1999-2001

Presidential Management Fellow
U.S. Federal Government Presidential Management Fellowship Program
Rotations:
-National Cancer Institute, Division of Cancer Epidemiology & Genetics
-National Institute of Environmental Health Sciences, Office of Bioethics
-National Institute of Child Health and Human Development, Division of
Epidemiology, Statistics and Prevention Research
-Office of the NIH Director, Office of Legislative Policy and Analysis
National Institutes of Health
Bethesda, Maryland

2000

Committee Staff/Presidential Management Fellow

Committee on Energy and Commerce
U.S. House of Representatives
Washington, District of Columbia

2001-2005 *Study Coordinator*
National Children's Study
National Institute of Child Health and Human Development (NICHD)
National Institutes of Health
Bethesda, Maryland

2005-2008 *Deputy Director of the Program Office*
National Children's Study
National Institute of Child Health and Human Development (NICHD)
National Institutes of Health
Bethesda, Maryland

2008-2010 *Associate Study Director for Operations and Logistics*
National Children's Study
National Institute of Child Health and Human Development (NICHD)
National Institutes of Health
Bethesda, Maryland

HONORS AND AWARDS

2015 Outstanding Mentor in Clinical Research
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio
One annual awardee nominated and selected by peers and staff and awarded by the President of the Research Institute

2014, 2015,
2018 "Tier 1" Ranking for Employee Engagement and Satisfaction
Nationwide Children's Hospital
Columbus, OH
Research staff on my team (Keim Lab) rated our team in the highest tier for employee engagement and satisfaction during the annual hospital employee survey

2012 Outstanding Clinical Mentor Award (nominee)
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2012 Outstanding Principal Investigator in Clinical Science
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio
One annual awardee nominated and selected by peers and staff and awarded by the President of the Research Institute

- 2008 Student Prize Paper Honorable Mention
Society for Pediatric and Perinatal Epidemiologic Research (SPER)
- 2007 Award of Merit
National Institutes of Health
Bethesda, Maryland
Awarded by the NICHD Director to recognize individuals or groups whose superior service and achievement warrant special appreciation.
- 2004 Award of Merit
National Institutes of Health
Bethesda, Maryland
Awarded by the NICHD Director to recognize individuals or groups whose superior service and achievement warrant special appreciation.
- 1999-2001 Presidential Management Fellowship
National Institutes of Health
Bethesda, Maryland
Selected through multi-stage, national competitive process for this flagship two-year federal leadership development program for advanced degree candidates

RESEARCH SUPPORT

ONGOING RESEARCH

PEER REVIEWED

R01HD104072-01A1 Breitenstein (PI) 9/1/21-8/31/26

National Institute of Child Health and Human Development (NICHD)/NIH

Parent Training for Parents of Toddlers Born Very Premature: A Factorial Design to Test Web Delivery and Telephone Coaching

The objective of this study is to develop a widely accessible and effective form of behavioral parent training delivery to address the unmet and unique needs of parents of children born very preterm.

Site PI

\$534,658 total cost (\$347,181 direct, \$187,477 indirect)

R33AT009632-03 Keim (co-PI) 9/21/20-8/31/23

National Center for Complementary and Integrative Health (NCCIH)/NIH

Fatty Acid Supplements Alter Biological Signatures in Children with Autism Spectrum Disorder

The objective of this study is to examine potential inflammatory mechanisms of action of omega-3 and omega-6 fatty acid supplementation on ASD, and correlations with changes in ASD-related behaviors, as a foundational step towards a Phase III trial. This R33 grant is the second part of a 5-year R61/R33 award.

Co-Principal Investigator (w/ Rogers)

\$1,124,020 total cost (\$730,085 direct, \$393,935 indirect)

R01HD100493-01A1

Keim (PI)

8/1/20-6/30/25

National Institute of Child Health and Human Development (NICHD)/NIH

Long-term Effects and Safety of DHA Supplementation in Toddlerhood for Children Born Preterm.

The objective of this study is to determine the long-term effects of DHA supplementation on general cognitive ability, language, and executive function, and to examine genetic explanations for treatment effects, by continuing to follow the children from the fully blind, randomized, placebo-controlled trial called Omega Tots.

Principal Investigator

\$3,099,156 total cost (\$2,012,440 direct, \$1,086,176 indirect)

R40MC37541

Keim (PI)

7/1/20-6/30/22

U.S. Health Resources and Services Administration (HRSA), DHHS

Parenthood Take Two: The Mental Health of Custodial Grandparents and the Academic Preparedness of the Preschoolers They Raise

The objective of this study is to gain a contemporary understanding of the mental well-being of today's grandparents raising grandchildren and to examine how early cognitive development (as measured by early language acquisition) and school readiness differs between young children being raised by grandparents compared to parents.

Principal Investigator

\$99,996 total cost (\$65,787 direct, \$34,209 indirect)

1R01MD013969-01A1

Patel (PI)

4/18/20-12/31/24

National Institute on Minority Health and Health Disparities (NIMHD)/NIH

Reducing Disparity in Receipt of Mother's Own Milk in Very Low Birth Weight Infants: An Economic Intervention to Improve Adherence to Sustained Maternal Breast Pump Use

The objective of this RCT is to evaluate the impact of providing financial incentives to mothers to provide human milk for their hospitalized neonate.

Consultant

\$6,600

N/A

McKenzie (PI)

3/1/22-2/28/24

American SIDS Institute

Adhering to Safe Sleep Guidelines and Optimizing Infant Sleep: Toward the Development of a Sound Sleep, Safe Sleep Intervention

The objective of this project is to develop an intervention to improve adherence to safe sleep guidelines while also improving infant sleep quality.

Co-Investigator

\$70,000 total cost (\$70,000 direct, \$0 indirect)

R01HD091274-01A1

Gallo (PI)

9/1/18-7/31/22

National Institute of Child Health and Human Development (NICHD)/NIH

Initiation of injectable contraception immediately postpartum among breastfeeding women

The objective of this RCT is to evaluate the timing of DMPA administration on important long-term maternal and child health outcomes: lactation and child growth.

Site Principal Investigator

\$11,747 total cost (\$7,728 direct, \$4,019 indirect)

1-18-JDF-062

Keim (PI)

4/1/18-6/30/2022

American Diabetes Association / Ohio Department of Health

Practical Approaches to Postpartum Weight Loss After GDM

The goal of this clinical trial is to evaluate the efficacy of a simple physical activity intervention in promoting postpartum weight loss and improving cardio-metabolic biomarkers among women with GDM.

Principal Investigator

\$552,000 total cost (\$500,000 direct, \$52,000 indirect)

NON-PEER REVIEWED

Purchase order: 1710326725

Adesman (PI)

10/1/10-3/1/20

North Shore – Long Island Jewish Health System

In Utero Fetal Activity Markers and Child Development and Behavior

The objective of this study is to examine intra-uterine factors associated with markers of hyperactivity in middle childhood.

Epidemiology consultant

\$15,000 total cost

COMPLETED RESEARCH

PEER REVIEWED

N/A

Keim (PI)

8/1/20-8/1/21

Escher Family Fund at Silicon Valley Community Foundation

Maternal lifetime and preconception exposure to general anesthesia and offspring neurodevelopmental and behavioral outcomes to age 7 years in the Collaborative Perinatal Project

The goal of this study is to determine the association between maternal lifetime exposure to general anesthesia and offspring developmental and behavioral outcomes in childhood by comparing women/offspring who were exposed to those who were unexposed using an established large historic cohort of over 50,000 pregnancies.

Principal Investigator

\$25,000 total cost (\$25,000 direct)

R01DK10869-03S1

Anderson (PI)

7/15/19-1/31/21

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH

Parent-Child Mealtime Interactions: Longitudinal Observations to Inform Obesity Prevention – Diversity Supplement

The objective of this Research Supplement to Promote Diversity in Health-Related Research is to support the professional development of Ms. Taniqua Ingol, MPH.

Site Principal Investigator

\$145,617 total cost (\$85,586 direct, \$60,031 indirect)

R01DK10869-01A1 Anderson (PI) 2/1/17-1/31/22

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)/NIH

Parent-Child Mealtime Interactions: Longitudinal Observations to Inform Obesity Prevention

The objective of this study is to examine parent-child interactions, self-regulation and obesity risk in groups of preschool children born preterm and at term.

Site PI

\$1,761,000 total cost for NCH sub-contract (\$1,174,000 direct, \$587,000 indirect)

R01DA042948-01A1 Klebanoff (PI) 6/1/17-5/31/22

National Institute on Drug Abuse (NIDA)/NIH

Executive Function and Aggression in Preschool-age Children Exposed In Utero to Marijuana

The goal of this study is to determine the impact of prenatal marijuana exposure on the executive function and behavior of contemporary preschool children.

Co-Investigator

\$1,482,829 total cost (\$988,549 direct, \$494,280 indirect)

R25HD086885-01 Rogers (PI) 4/1/16-3/31/21

National Institute of Child Health and Human Development (NICHD)/NIH

Futures Matter: Transformative Transdisciplinary Summer Research Program

Integration of biological data with bioinformatics at the level required by precision medicine will depend on training a generation of scientists ready to embrace the notions of trans-disciplinarily and intersectionality over individualism. This proposal seeks to provide a 10-week summer research experience that will encourage high school students to pursue careers that will help advance progress in pregnancy and child health-related research.

Co-Investigator

\$540,000 total cost (\$500,000 direct, \$40,000 indirect)

9/15/17-8/31/20

National Center for Complementary and Integrative Health (NCCIH)/NIH

Fatty Acid Supplements Alter Biological Signatures in Children with Autism Spectrum Disorder

The objective of this study is to examine potential inflammatory mechanisms of action of omega-3 and omega-6 fatty acid supplementation on ASD, as a foundational step towards a Phase III trial. This R61 grant is the first part of a 5-year R61/R33 award.

Co-Principal Investigator (w/ Rogers)

\$744,794 total cost (\$493,224 direct, \$251,570 indirect)

N/A

Keim (co-PI)

7/1/17-12/31/19

Thirty-One Gifts

Application of Neuroimaging to the Prevention of High-risk Behaviors in a Vulnerable Population of Pre-Adolescent Girls

The objective of this study is to use neuroimaging to assess basic brain structure and patterns of brain activity during specific cognitive and emotional tasks involving 50 children at age 7 years exposed to marijuana in utero, compared to unexposed children.

Co-Principal Investigator (with Nelson, Klebanoff)

\$100,000 total cost (\$100,000 direct)

1R03HD084927-01A1

Keim (PI)

9/1/16-8/31/19

National Institute of Child Health and Human Development (NICHD)/NIH

The Development of Early Childhood Obesity in Children Born Preterm

The objective of this study is to examine growth trajectories among patients born preterm to identify early indicators of obesity risk.

Principal Investigator

\$149,500 total cost (\$100,000 direct, \$49,500 indirect)

R03SH000048-01

Keim (PI)

7/1/16-6/30/19

National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

Development and Evaluation of New Breastfeeding Questions Applicable to Multiple National Surveys

The objective of this project is to develop and evaluate new breastfeeding questions applicable to multiple national health surveys.

Principal Investigator

\$146,500 total cost (\$100,000 direct, \$46,500 indirect)

N/A (Intramural grant)

Sheppard (PI)

6/22/17-6/23/19

The Research Institute at Nationwide Children's Hospital

Precision Medicine for Autism Spectrum Disorder: The Role of Fatty Acids in Improving Cognitive Outcomes

The goal of this study is to evaluate the link between fatty acid status and cognitive outcomes in young children with ASD.

Co-Investigator

\$9,930 total cost (\$9,930 direct)

1R01DA041373-02S1

Klebanoff (PI)

8/1/18-5/31/19

Office of Research on Women's Health (ORWH)/NIH

Executive Function and Aggression in Preschool-age Children Exposed In Utero to Marijuana

The goal of this administrative supplement-funded study is to improve understanding of contemporary practices and attitudes toward marijuana use in pregnancy among African-American and white women.

Co-Investigator

\$199,902 total cost (\$131,515 direct, \$68,387 indirect)

R40MC28316

Keim (PI)

4/1/15-3/31/19

U.S. Health Resources and Services Administration (HRSA), DHHS

Nutrition as Intervention: Trial of PUFA to Boost Development of Preterm Toddlers

The goal of this study is to evaluate a DHA supplement in improving cognitive development and behavior in toddlers born preterm, including sub-group analysis by gender, birthweight, and household income, and to evaluate the role of the medical home in improving outcomes.

Principal Investigator

\$885,372 total cost (\$594,244 direct, \$291,128 indirect)

6-FY16-160

Klebanoff (PI)

6/1/16-7/31/18

March of Dimes

Prenatal Marijuana as Neuroteratogen: Outcomes of Executive Function and Aggression in Preschool-Aged Children

The goal of this study is to determine the impact of prenatal marijuana exposure on the executive function and behavior of contemporary preschool children.

Co-Investigator

\$350,000 total cost (\$318,000 direct, \$32,000 indirect)

6-FY17-608

Keim (PI)

6/1/17-5/31/18

March of Dimes

Long-term Outcomes of Polyunsaturated Fatty Acid Supplementation for Toddlers Born Preterm

The objective of this study is to examine long-term cognitive and behavioral outcomes of DHA supplementation during the toddler period. This is a follow-up study of the Omega Tots trial.

Principal Investigator

\$50,000 total cost (\$45,455 direct, \$4,545 indirect)

134244/134267

Buhimschi (PI)

9/1/13-12/31/17

March of Dimes

Sociobiology of Racial Disparities in Preterm Birth (Theme 5)

The objective of this study is to examine familial and environmental contributors to preterm birth within the March of Dimes Prematurity Research Center Ohio Collaborative.

Co-Investigator

Annual \$193,954 total cost (\$176,322 direct, \$17,632 indirect)

12-FY14-171

Keim (PI)

6/1/14-5/31/17

March of Dimes

Omega Tots: Polyunsaturated Fatty Acid Supplementation of Toddler Diets to Improve Development and Behavior Outcomes among Children Born Preterm

The objective of this study is to evaluate the effect on developmental and behavioral outcomes of providing a nutritional DHA supplement to toddlers born preterm and examine biomarkers of treatment effect.

Principal Investigator

\$270,000 total cost (\$245,454 direct, \$224,546 indirect)

1U10HD068278

Sanchez (PI)

4/1/16-3/31/21

National Institute of Child Health and Human Development (NICHD)

NICHD Neonatal Research Network

The Neonatal Research network was established to conduct multi-center clinical trials and observational studies in neonatal medicine in order to reduce infant morbidity and mortality and promote healthy outcomes.

Site PI for the Follow-up Study

\$1,345,298 total cost (\$1,002,287 direct, \$343,011 indirect)

No grant number

Keim (PI)

1/1/15-12/31/16

Cures Within Reach

Omega Tots: Treating the Developmental Consequences of Prematurity with a Nutraceutical

The goal of this study is to augment the number of participants to be recruited for the Omega Tots trial and to pilot test a long-term follow-up protocol at age 2 years.

Principal Investigator

\$35,000 total cost

1U10HD068278

Sanchez (PI)

4/1/11-3/31/16

National Institute of Child Health and Human Development (NICHD)

NICHD Neonatal Research Network

The Neonatal Research network was established to conduct multi-center clinical trials and observational studies in neonatal medicine in order to reduce infant morbidity and mortality and promote healthy outcomes

Site PI for the Follow-up Study

\$1,345,298 total cost (\$1,002,287 direct, \$343,011 indirect)

1/1/14-12/31/15

Cures Within Reach

Short and Long-Term Clinical Trial Using an Over-the-Counter Omega-3, -6, and -9 Fatty Acids Combination to Reduce Symptoms of ASD and ADHD in Children 18-42 Months Old

The objective of this study is to continue to follow the Preemie Tots trial participants for long-term autism and ADHD outcomes.

Principal Investigator

\$33,000 total cost

1/1/14-12/31/15

Cures Within Reach

Short and Long-Term Clinical Trial Using an Over-the-Counter Omega-3, -6, and -9 Fatty Acids Combination to Reduce Symptoms of ASD and ADHD in Children 18-42 Months Old

The objective of this study is to continue to follow the Preemie Tots trial participants for long-term autism and ADHD outcomes.

Principal Investigator

\$33,000 total cost

2/1/13-1/31/15

U.S. Health Resources and Services Administration (HRSA), DHHS

Translation of Preconception Care Guidelines into Practice and Behavior Change During Pregnancy

The objective of this grant was to examine the provision of preconception care and its impact on behavior changes during pregnancy that can affect pregnancy outcomes like preterm birth.

Co-Investigator

\$97,067 total cost (\$67,000 direct, \$30,067 indirect)

8/1/13-7/31/14

The Ohio State University Food Innovation Center

Prospective Open Pilot of Low vs. Higher Dose Vitamin D in D-deficient Asthmatic Children: Does Diet Predict Immune Function and Asthma Symptom Response to Vitamin D Supplementation?

The objectives of this study were to examine associations between dietary high omega-6 to omega-3 fatty acid ratios and low vitamin D intake and asthma severity in children taking inhaled steroids and to examine how vitamin D deficiency and supplementation may modulate the immune system in asthma.

Co-Investigator

\$50,000 total cost

No grant number

Keim (PI)

6/1/12-5/31/14

Allen Foundation

Omega Tots: Polyunsaturated Fatty Acids to Promote Brain Development in Toddlers Born Prematurely

The objective of this pilot study was to evaluate the feasibility of a trial to study the effect on developmental outcomes of providing a nutritional LCPUFA supplement to toddlers born preterm

Principal Investigator

\$150,786 (\$141,000 direct, \$9,870 indirect)

No grant number

Keim (PI)

4/1/13-3/31/14

The Ohio State University Food Innovation Center

Mealtime Behavior Problems in Preschool Children Born Preterm: Associations with Maternal Sensitivity and Executive Function

The objectives of this study were to evaluate the role of impaired executive function on mealtime behaviors and to evaluate the role of maternal sensitivity in mealtime behavior problems and how child executive function modifies this association.

Principal Investigator

\$25,000 total cost

No grant number

Keim (PI)

1/1/12-12/31/13

The Marci and Bill Ingram Fund for Autism Spectrum Disorders Research

A Randomized Controlled Pilot Trial of Long-Chain Polyunsaturated Fatty Acids to Reduce Autism Spectrum Disorder Symptoms and Hyperactivity in Toddlers with a History of Extremely Preterm Birth

The objective of the Preemie Tots study was to evaluate a polyunsaturated fatty acid supplement to reduce ASD symptoms and hyperactive behavior in a cohort of children at high-risk for ASD diagnosis

Principal Investigator

\$99,471 total cost

The Ohio State University Food Innovation Center

The objective of this study was to evaluate the food safety of human breast milk that is exchanged via internet websites which were established to facilitate mother-to-mother breast milk sharing

\$25,000 total cost

The Ohio State University Food Innovation Center

The objective of this grant was to foster new team collaboration around research on brain imaging and nutrition

\$2,500 total cost

Nicklaus Children's Health Care Foundation and Cigna Foundation

The goal of this study was to examine the risks to recipient infants posed by drugs that may be present in human milk sold peer-to-peer via the Internet.

\$50,100 total cost

ARTICLES IN PEER-REVIEWED JOURNALS

1. Zheng T, Cantor KP, Zhang Y, **Keim S**, Lynch CF. "Occupational Risk Factors for Brain Cancer: a Population-Based Case-Control Study in Iowa." (2001). *Journal of Occupational and Environmental Medicine*. 43:317-24.

2. **Keim SA**, Alavanja MCR. "Pesticide Use by Persons Who Reported a High Pesticide Exposure Event in the Agricultural Health Study." (2001). *Environmental Research*. 85:256-9.
3. Branum AM, Collman GW, Correa A, **Keim SA**, Kessel W, Kimmel CA, Klebanoff MA, Longnecker MP, Mendola P, Rigas M, Selevan SG, Scheidt PC, Schoendorf K, Smith-Khuri E, Yeargin-Allsopp M. "The National Children's Study of Environmental Effects on Child Health and Development." (2003). *Environmental Health Perspectives*. 111(4): 642-6.
4. **Keim SA**. "An Overview of the National Children's Study of Children's Health and the Environment." (2005). *Children, Youth and Environments*. 15:240-56.
5. **Keim SA**, Klebanoff MA. "Aspirin Use and Miscarriage Risk." (2006). *Epidemiology*. 17(4):435-9.
6. Sapienza J, Fleischman AR, **Keim S**, Corbie-Smith G. "Community Engagement in Epidemiological Research." (2007). *Ambulatory Pediatrics*. 7(3):247-52. PMC1978546
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COMMENTARIES

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ABSTRACTS

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3. **Keim SA**. “Children’s Environmental Health Research – EPA and DHHS Collaborate to Address Long-term Health Issues.” At the EPA Science Forum, May 2006, Washington, DC, poster.
4. **Keim SA** for Scheidt PC. “The Goals, Objectives and Design of the NCS: Current Status.” At the 2006 Congress of Epidemiology, June 24, 2006, Seattle, WA, presentation.

5. Mendola P, Schoendorf K, Rappazzo K, **Keim S**, Galke W, Brenner R, Walsh D, Williams A, Messer, L. "Recruiting for a Longitudinal Study of Children's Environmental Health Using a Household-Based Probability Sampling Approach." At the 2006 International Society of Environmental Epidemiology, September 2, 2006, Paris, France, poster.
6. VanderBeek SB, Cronk CE, Baker D, Dole N, Fahrenwald N, **Keim SA**, Silberman P, Wilson J, Daston C, Mancini M, DeBello A, Sapienza J, Costella KS, Trasande L. "Community Outreach and Engagement in the National Children's Study Vanguard Centers." At the Pediatric Academic Societies Annual Meeting, May 4, 2007, Toronto, ON, poster.
7. **Keim SA**, Branum AM, Klebanoff MA. "The Association Between the Gender of a Girl's Twin and Laterality and Cognitive Outcomes." At the Society for Pediatric and Perinatal Epidemiologic Research, June 18-19, 2007, Boston, MA, poster.
8. **Keim SA**, Klebanoff MA. "Association Between Preterm and Small-for-Gestational Age Status and Depression, Depression During Pregnancy and Postpartum Depression in Adulthood." At the Society for Pediatric and Perinatal Epidemiologic Research, June 19, 2007, Boston, MA, poster.
9. **Keim SA**, Klebanoff MA. "Association Between Preterm and Small-for Gestational-Age Status and Depression, Depression During Pregnancy, and Postpartum Depression in Adulthood." At the Society for Epidemiologic Research, June 20, 2007, Boston, MA, presentation.
10. **Keim SA**, Branum AM, Klebanoff, MA, Zemel B. "Association Between Maternal Body Mass Index and Daughters' Age at Menarche." At the Society for Pediatric and Perinatal Epidemiologic Research, June 26, 2008, Chicago, IL, poster.
11. **Keim SA**, Branum AM, Klebanoff, MA, Zemel B. "Association Between Maternal Body Mass Index and Daughters' Age at Menarche." At the Society for Epidemiologic Research, June 27, 2008, presentation.
12. **Keim SA**, Daniels J, Siega-Riz AM, Dole N. "Long-Chain Polyunsaturated Fatty Acids from Breast Milk and Formula and Infant Cognitive Development." At the Society for Pediatric and Perinatal Epidemiologic Research, June 22, 2009, Anaheim, CA, presentation.
13. **Keim SA**, Daniels J, Siega-Riz AM, Dole N. "Long-Chain Polyunsaturated Fatty Acids from Breast Milk and Formula and Infant Cognitive Development." Society for Epidemiologic Research, June 23, 2009, Anaheim, CA, poster.
14. Branum A, **Keim SA**, Parker, JD. "Gestational Weight Gain and Child BMI at Age 4 Among Siblings." At the Society for Pediatric and Perinatal Epidemiologic Research, June 23, 2010, Vancouver, BC, presentation.

15. Branum A, **Keim SA**, Parker, JD. “Gestational Weight Gain and Child BMI at Age 4 Among Siblings.” At the Society for Epidemiologic Research, June 24, 2010, Vancouver, BC, presentation.
16. Gollenberg A, Cooney M, McLain A, **Keim SA**, Klebanoff MA. “Intergenerational Time to Pregnancies and *In Utero* Tobacco Exposure.” At the Society for Pediatric and Perinatal Epidemiologic Research, June 23, 2010, Vancouver, BC, poster.
17. Adesman A, Leung JK, Milanaik R, **Keim SA**. “Does Umbilical Cord Length -- An Indirect Measure of Fetal Activity -- Predict Hyperactivity in Grade School Children?” At the Pediatric Academic Societies Annual Meeting, May 2, 2011, Denver, CO, poster.
18. **Keim SA**, Pruitt NT. “Gestational Weight Gain and Child Cognitive Development: An Application of a Sibling Design.” At the Pediatric Academic Societies Annual Meeting, May 2, 2011, Denver, CO, poster.
19. **Keim SA**. “Overweight or Obesity and Changes in Cognitive Ability in Childhood: Measurements at Two Time Points.” At the 2011 Society for Pediatric and Perinatal Epidemiologic Research, June 21, 2011, Montreal, QC, poster.
20. **Keim SA**. “Overweight or Obesity and Changes in Cognitive Ability in Childhood: Measurements at Two Time Points.” At the 2011 Congress of Epidemiology, June 22, 2011, Montreal, QC, poster.
21. Adesman A, **Keim SA**. “Neuromotor Outcome of Young Children Whose Mothers Reported Loss of Fetal Activity.” At the 2011 Society for Developmental and Behavioral Pediatrics, September 16-19, 2011, San Antonio, TX, presentation.
22. Adesman A, **Keim SA**. “Developmental Outcome of Children Whose Mothers Reported Loss of Fetal Activity During Pregnancy.” At the 2011 Society for Developmental and Behavioral Pediatrics, September 16-19, 2011, San Antonio, TX, presentation.
23. Adesman A, Leung JK, **Keim SA**. “Does Umbilical Cord Length -- An Indirect, Objective Measure of Fetal Activity -- Predict Hyperactivity in Grade School Children?” At the 2011 Society for Developmental and Behavioral Pediatrics, September 16-19, 2011, San Antonio, TX, poster.
24. Adesman A, **Keim SA**. “Long-Term Developmental Outcome of Children Whose Mothers Reported Loss of Fetal Activity During Pregnancy.” At the Eastern Society for Pediatric Research, March 30, 2012, Philadelphia, PA, presentation.

25. Adesman A, **Keim SA**. “Neuromotor Outcome of Young Children Whose Mothers Reported Loss of Fetal Activity.” At the Eastern Society for Pediatric Research, March 30, 2012, Philadelphia, PA, presentation.
26. *Brind’Amour K, **Keim SA**. “Maternal Characteristics, Feeding Practices, and Reasons Mothers Choose and Change Their Infants’ Formula.” At The Ohio State University Wexner Medical Center Trainee Research Day, April 17, 2012, Columbus, OH, poster.
27. *Brind’Amour K, **Keim SA**. “Maternal Characteristics, Feeding Practices, and Reasons Mothers Choose and Change Their Infants’ Formula.” At the Nationwide Children’s Hospital Trainee Research Day, April 18, 2012, Columbus, OH, poster.
28. Adesman A, **Keim SA**. “Long-Term Developmental Outcome of Children Whose Mothers Reported Loss of Fetal Activity During Pregnancy.” At the Pediatric Academic Societies, May 1, 2012, Boston, MA, poster.
29. Adesman A, **Keim SA**. “Neuromotor Outcome of Young Children Whose Mothers Reported Loss of Fetal Activity.” At the Pediatric Academic Societies, May 1, 2012, Boston, MA, poster.
30. Newby E, Adesman A, **Keim SA**. “Is Tourette Syndrome More Common in Children with Atopic Disease? Analysis of a U.S. Population-Based Sample.” At the Pediatric Academic Societies Annual Meeting, May 1, 2012, Boston, MA, poster.
31. *Brind’Amour K, **Keim SA**. “Maternal Characteristics, Reasons for Choice, and Frequency in Infant Formula Switching in the First 9 Postnatal Months.” At The Ohio State University Russell Klein Nutrition Research Symposium June 1, 2012, Columbus, OH, poster.
32. **Keim SA**, Klebanoff MA, Diesel JC, Bodnar LM. “Maternal Vitamin D Status in Pregnancy and Child Cognition, Achievement, and Behavior.” At the 2012 Society for Pediatric and Perinatal Epidemiologic Research, June 25, 2012, Minneapolis, MN, poster.
33. **Keim SA**, Klebanoff MA, Diesel JC, Bodnar LM. “Maternal Vitamin D Status in Pregnancy and Child Cognition, Achievement, and Behavior.” At the 2012 Society for Epidemiologic Research, June 28 2012, Minneapolis, MN, poster.
34. *Upchurch B, McNamara K, Jayadeva C, Gracious B, **Keim S**. “Occurrence of Autism Symptoms in Toddlers Born at Less Than 30 Weeks’ Gestation.” At the Research Institute Summer Scientists Internship Program Poster Competition, August 10, 2012, Columbus, OH, poster.

35. ***Keim SA**, Branum AM, Peck J. "What are U.S. Children Under Two Eating? Results from NHANES (2003-2008)." At the American Society for Nutrition, April 2013, Boston, MA, poster.
36. ***Keim SA**, Branum AM, Peck J. "What are U.S. Children Under Two Eating? Results from NHANES (2003-2008)." At the Pediatric Academic Societies, May 2013, Washington, DC, poster.
37. ***Keim SA**, Branum AM, Peck J. "What are U.S. Children Under Two Eating? Results from NHANES (2003-2008)." At the American Academy of Pediatrics Annual Conference and Exhibition, October 2013, Orlando, FL, poster.
38. Geraghty SR, McNamara KA, Dillon CE, Hogan JS, Kwiek JJ, **Keim SA**. "Buying Human Milk via the Internet: Just a Click Away." At the Academy of Breastfeeding Medicine Annual International Meeting. November 23, 2013, Philadelphia, PA, platform presentation.
39. Oza-Frank, R, Kachoria R, **Keim SA**, Lynch CD, Klebanoff MA. "Receipt and Timing of Preconception Care Messages Varies by Maternal Characteristics." At the Association of Maternal and Child Health Programs, January 2014, Washington, DC, poster.
40. Oza-Frank, R, Kachoria, R, **Keim, SA**, Lynch, CD, Klebanoff, MA. "Timing of Pregnancy-Related Health Message Delivery Varies by Message Type." At the Association of Maternal and Child Health Programs, January 2014, Washington, DC, poster.
41. **Keim, SA**; McNamara, K; Strafford, K; Dillon, C; Ronau, R; Geraghty S. "Racial and Ethnic Differences in Contemporary Infant Feeding Practices: Direct Breastfeeding and Milk Expression." At the Southern Society for Pediatric Research/American Society for Nutrition annual meeting. February 22, 2014, New Orleans, LA, platform presentation.
42. **Keim, SA**; McNamara, K; Strafford, K; Dillon, C; Ronau, R; Geraghty, S. "Racial and Ethnic Differences in Contemporary Infant Feeding Practices: Direct Breastfeeding and Milk Expression." At the Pediatric Academic Societies, May 2014, Vancouver, BC, poster.
43. McNamara KA, Dillon CE, Ronau R., Strafford KE, Geraghty SR, **Keim SA**. "At the Breast Versus Expressed Milk Feeding: Relationships With Otitis Media and Diarrhea." At the Pediatric Academic Societies, May 2014, Vancouver, BC, presentation.
44. Oza-Frank R, McNamara K, Geraghty SR, Strafford K, Dillon CE, Ronau R, **Keim SA**. "Feeding Patterns of Preterm Infants Through the First Year of Life." At the Pediatric Academic Societies, May 2014, Vancouver, BC, poster.

45. Klebanoff MA, Oza-Frank R, **Keim SA**, Lynch CD. "Sleep Quality and Pregnancy Outcome." At the Society for Pediatric and Perinatal Epidemiologic Research. June 22, 2014, Seattle, WA, poster.
46. Klebanoff MA, Oza-Frank R, **Keim SA**, Lynch CD. "Sleep Quality and Pregnancy Outcome." At the Society for Epidemiologic Research. June 22, 2014, Seattle, WA, poster.
47. **Keim, SA**, McNamara KA, Anderson SE. "Mealtime Behavior Problems in Preschool-Aged Children Born Preterm: Prevalence and Associations with ADHD and Parent Use of Food as a Reward." At the Society for Pediatric and Perinatal Epidemiologic Research. June 22, 2014, Seattle, WA, poster.
48. **Keim, SA**, McNamara KA, Anderson SE. "Mealtime Behavior Problems in Preschool-Aged Children Born Preterm: Prevalence and Associations with ADHD and Parent Use of Food as a Reward." At the Society for Epidemiologic Research. June 25, 2014, Seattle, WA, poster.
49. Anderson SE, McNamara KA, Andridge R, **Keim SA**. "Mealtime Behavior Problems in Relation to Self-Regulation: Findings from the PreK Picnic Study of Preschool-Aged Children Born Very Preterm." At the Society for Pediatric and Perinatal Epidemiologic Research. June 22, 2014, Seattle, WA, poster.
50. Anderson SE, McNamara KA, Andridge R, **Keim SA**. "Mealtime Behavior Problems in Relation to Self-Regulation: Findings from the PreK Picnic Study of Preschool-Aged Children Born Very Preterm." At the Society for Epidemiologic Research. June 25, 2014, Seattle, WA, poster.
51. *Haeuptle R, McNamara K, Klebanoff M, **Keim S**. "Presence of Abnormal Socio-Emotional Development in Children Ages 2-4 Prenatally Exposed to Marijuana." At the Summer Student Research Day, The Research Institute at Nationwide Children's Hospital. August 8, 2014, Columbus, OH, poster.
52. Oza-Frank R, Moreland JJ, McNamara JA, Geraghty SR, **Keim SA**. "Women With Gestational Diabetes Engage in Less At-The-Breast Feeding and Initiate Pumping Earlier With Women Without Diabetes." At the 17th Annual International Society for Research in Human Milk and Lactation. October 27, 2014, Kiawah Island, SC, platform presentation.
53. **Keim S**, Kulkarni M, McNamara K, Geraghty S, Billock R, Ronau R, Hogan J, Kwiek K. "Bovine Contamination of Human Breast Milk Purchased via the Internet." At the Academy of Breastfeeding Medicine annual meeting. November 16, 2014, Cleveland, OH, poster.

54. Geraghty S, McNamara K, Strafford K, Dillon C, Ronau R, **Keim S**. “Racial and Ethnic Differences in Contemporary Breast Milk Feeding Practices.” At the Academy of Breastfeeding Medicine annual meeting. November 16, 2014, Cleveland, OH, poster.
55. *Husk, JS & **SA Keim**. “Association Between Exclusive Breastfeeding History and Dietary Variety among Preterm Children Aged 1-3 Years.” At the Russell Klein Symposium, The Ohio State University, April 9, 2015, Columbus, OH, poster.
56. **Keim S**, McNamara K, Augustine M, Klebanoff M, Geraghty S, Kwiek J, Rogers L. “Evidence of Active Smoking and Caffeine Use by Sellers of Breast Milk Purchased via the Internet.” At the Pediatric Academic Societies annual meeting. April 24, 2015, San Diego, CA, poster.
57. Kiely B, **Keim S**, Adesman A. “Participation in Activities by Children with Developmental Disabilities.” At the Pediatric Academic Societies annual meeting. April 25, 2015, San Diego, CA, poster.
58. *Klag EA, **Keim SA**, K McNamara, SR Geraghty. “Feeding Practices and Weight Gain in the First Year of Life.” At The Ohio State University Wexner Medical Center Trainee Research Day, April 15, 2015, Columbus, OH, poster.
59. *Husk, JS & **SA Keim**. “Association Between Exclusive Breastfeeding History and Dietary Variety among Preterm Children Aged 1-3 Years.” At The Ohio State University Wexner Medical Center Trainee Research Day, April 15, 2015, Columbus, OH, poster.
60. **Keim S**, Foraker R, McNamara K, Geraghty S. “Perceived Financial Well-being and Infant Feeding Practices.” At the Society for Epidemiologic Research. June 18, 2015, Denver, CO, poster.
61. **Keim S**, McNamara K, Oza-Frank R, Geraghty S. “Women Who Pump Without Feeding at the Breast: Who are They?” At the Society for Epidemiologic Research. June 16, 2015, Denver, CO, poster.
62. **Keim S**, McNamara K, Oza-Frank R, Geraghty S. “Women Who Pump Without Feeding at the Breast: Who are They?” At the Society for Pediatric and Perinatal Epidemiologic Research. June 15, 2015, Denver, CO, poster.
63. *Husk, JS & **SA Keim**. “Association Between Exclusive Breastfeeding History and Dietary Variety among Preterm Children Aged 1-3 Years.” At the Society for Pediatric and Perinatal Epidemiologic Research. June 16, 2015, Denver, CO, poster.
64. *Husk, JS & **SA Keim**. “Association Between Exclusive Breastfeeding History and Dietary Variety among Preterm Children Aged 1-3 Years.” At the Society for Epidemiologic Research. June 17, 2015, Denver, CO, poster.

65. Klebanoff M & **S Keim**. “Maternal Serum Caffeine Metabolites and Child Cognition and Behavior.” At the Society for Pediatric and Perinatal Epidemiologic Research. June 15, 2015, Denver, CO, poster.
66. Klebanoff M & **S Keim**. “Maternal Serum Caffeine Metabolites and Child Cognition and Behavior.” At the Society for Epidemiologic Research. June 16, 2015, Denver, CO, poster.
67. *Husk, JS & **SA Keim**. “Association Between Exclusive Breastfeeding History and Dietary Variety among Preterm Children Aged 1-3 Years.” At the Research Institute at Nationwide Children’s Hospital Annual Research Retreat, November 17, 2015, Columbus, OH, poster.
68. Oza-Frank, R; Kachoria, R; **Keim, SA**; Lynch, CD; Klebanoff, MA. “Receipt and timing of preconception care messages varies by maternal characteristics.” At the Society for Maternal-Fetal Medicine, January 31, 2016, Atlanta, GA, poster.
69. Oza-Frank, R; Kachoria, R; **Keim, SA**; Lynch, CD; Klebanoff, MA. “Timing of pregnancy-related health message delivery varies by message type.” At the Society for Maternal-Fetal Medicine, January 31, 2016, Atlanta, GA, poster.
70. Kaercher R, Roberts K, **Keim S**, McKenzie L. “Social Media and Finding Ideas and Activities for Young Children: What is Safe?” At the Injury Control and Emergency Health Services program of the APHA 2016 Annual Meeting & Expo October 20-November 2, 2016, Denver, CO, poster.
71. **Keim S**, McNamara K, Oza-Frank R, Geraghty S. “Women Who Pump Without Feeding at the Breast: Who are They?” At the Academy of Breastfeeding Medicine. October 13, 2016, Washington, DC, poster.
72. **Keim S**, Tchaconas A, Adesman A. “The Use of Alternative Pediatric Health Care Providers by U.S. Women Who Breastfeed.” The 29th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. June 20-21, 2016, Miami, FL, poster.
73. Weisband JL, Keder LM, **Keim SA**, Gallo M. “Postpartum Intentions on Contraceptive Use and Method Choice Among Breastfeeding Women.” Society of Family Planning: North American Forum on Family Planning. November 5, 2016. Denver, CO, poster.
74. *Do Z, Pelak G, **Keim SA**. “Neighborhood Characteristics and Language Development Among Children Born Preterm.” Nationwide Children’s Hospital Summer Student Research Symposium. August 5, 2016. Columbus, OH, poster.
75. Zvara B, **Keim SA**, McNamara K, Anderson SE. “Associations between Parenting Behavior and Executive Function Among Preschool-aged Children Born Very

- Preterm.” Society for Research in Child Development. April 6-8, 2017. Austin, TX, poster.
76. Cordrey K, **Keim S**, Milanaik R, Adesman A. “Consumption of Sports Drinks by High School Students in 2015: Associations with Physical Activity and Television Viewing.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, platform presentation.
 77. Tchaconas A, **Keim SA**, Adesman A. “Racial and Ethnic Differences in Importance of Support from Healthcare Providers, Family, and Friends for Mothers’ Decisions to Breastfeed Beyond One Year of Age.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
 78. Tchaconas A, **Keim SA**, Adesman A. “Association Between Maternal Education and the Importance of Support from Healthcare Providers, Family, and Friends for Mothers’ Decisions to Breastfeed Beyond One Year of Age.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
 79. Zhu M, **Keim SA**, Adesman A. “Sports Team Participation is a Weak Protective Factor for E-Cigarette Use by High School Students in the United States.” Eastern Society for Pediatric Research. March 24, 2017. Philadelphia, PA, poster.
 80. **Keim SA**, Boone K, Gracious B, Klebanoff MA, Rogers LK, Rausch J, Coury DL. “Omega-3 and -6 Fatty Acid Supplementation for Autism Symptoms and Related Behaviors in Preterm Toddlers: A Randomized Controlled Trial.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
 81. **Keim SA**, Boone K, Gracious B, Klebanoff MA, Rogers LK, Rausch J, Coury DL, Bartlett C, Sheppard KW. “Effect of Omega-3 and -6 Supplementation on Language in Preterm Toddlers Exhibiting Autism Spectrum Disorder Symptoms.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
 82. Boone KM, Gracious B, Klebanoff MA, Rogers LK, Rausch J, Coury DL, **Keim SA**. “Omega-3 and -6 Fatty Acid Supplementation and Sensory Processing in Toddlers Born Preterm with ASD Symptomology: A Randomized Controlled Trial.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
 83. **Keim SA**, Tchaconas A, Adesman A. “Support for Long Duration Breastfeeding from Conventional and Alternative Pediatric Primary Care Providers.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
 84. Boone KM, Chisolm D, Nelin MA, **Keim SA**. “Medical Home Profile for Toddlers Born Preterm: Gaps and Associations with Socio-demographic Factors and Birth Outcomes.” Pediatric Academic Societies. May 5, 2017. San Francisco, CA, platform presentation.

85. *Francis B, Oza-Frank R, **Keim SA**, Klebanoff M. "Pre-pregnancy Body mass Index and Offspring Developmental Outcomes." Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
86. Zhu M, **Keim SA**, Adesman, A. "Sports Team Participation is a Weak Protective Factor for E-Cigarette Use by High School Students in the United States." Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster.
87. Brown K, Feldman K, Chawla N, Rumpf W, Ray W, Boone KM, **Keim S**, Nelin L, Butter E, Gonya J. "Effect of Mesosystemic Variability in the NICU on Early Autism Behaviors in Extremely Preterm Infants." Nationwide Children's Hospital 2017 Neonatal/Perinatal Conference: Improving Safety and Quality of Neonatal and Perinatal Care: Current Concepts and Challenges. May 18 2017. Lewis Center, OH, poster.
88. Klebanoff MA & **SA Keim**. "Marijuana Use and Pregnancy Outcome." Society for Epidemiologic Research. June 23, 2017. Seattle, WA, poster.
89. Klebanoff MA & **SA Keim**. "Marijuana Use and Pregnancy Outcome." Society for Pediatric and Perinatal Epidemiologic Research. June 23, 2017. Seattle, WA, poster.
90. **Keim SA**, Zhu M, Adesman A, "Impact of State Legislation on Use of E-Cigs and Other Electronic Vaping Products by Adolescents in 35 States." Pediatric Academic Societies. May 5, 2017. San Francisco, CA, poster symposium presentation.
91. **Keim SA**, Jackson JL, Crerand CE. "Maternal Perceptions of the Quality of Lactation Support and Its Association with Breastfeeding Experiences and Postpartum Mental Health Outcomes." Society for Pediatric and Perinatal Epidemiologic Research. June 20, 2017. Seattle, WA, poster.
92. Boone KM, Chisolm D, Nelin MA, **Keim SA**. "Medical Home Profile for Toddlers Born Preterm: Gaps and Associations with Socio-demographic Factors and Birth Outcomes." Society for Pediatric and Perinatal Epidemiologic Research. June 20, 2017. Seattle, WA, poster.
93. **Keim SA**, Jackson JL, Crerand CE. "Maternal Perceptions of the Quality of Lactation Support and Its Association with Breastfeeding Experiences and Postpartum Mental Health Outcomes." Society for Epidemiologic Research. June 23, 2017. Seattle, WA, poster.
94. *Madhoun L, Baylis A, Crerand C, **Keim SA**. "A National Survey of Breast Milk Provision Practices in Infants with Cleft Lip and/or Palate." American Cleft Palate-Craniofacial Association Annual Meeting. April 10, 2018. Pittsburgh, PA, oral presentation.

95. Lim H, **Keim SA**, Adesman A. “Does Family History of ADHD Explain the Association Between Breastfeeding and Child ADHD?” Pediatric Academic Societies. May 5, 2018. Toronto, ON, poster symposium.
96. **Keim SA**, Boone KM, Klebanoff MA, Turner AN, Rausch J, Nelin MA, Rogers LK, Yeates, KO, Nelin L, Sheppard KW. “Effect of Docosehexaenoic Acid Supplementation on Developmental Outcomes of Toddlers Born Preterm: the Omega Tots Randomized Clinical Trial.” Pediatric Academic Societies. May 5, 2018. Toronto, ON, platform presentation.
97. **Keim SA**, Boone KM, Klebanoff MA, Rausch J, Nelin MA, Turner AN, Li R, Ingol T, Sheppard KW, Rogers LK, Yeates, KO. “Effect of Docosehexaenoic and Arachidonic Acid Supplementation on the Growth and Adiposity of Toddlers Born Preterm: the Omega Tots Randomized Clinical Trial.” Pediatric Academic Societies. May 5, 2018. Toronto, ON, poster.
98. **Keim SA**, Cordrey K, Milanaik R, Adesman A. “Consumption of Sports Drinks by High School Students in the United States: Five-Year Trends and Risk Factors.” Pediatric Academic Societies. May 5, 2018. Toronto, ON, poster.
99. **Keim SA**, Boone KM, Klebanoff MA, Turner AN, Rausch J, Nelin MA, Rogers LK, Yeates, KO, Nelin L, Sheppard KW. “Effect of Docosehexaenoic Acid Supplementation on Developmental Outcomes of Toddlers Born Preterm: the Omega Tots Randomized Clinical Trial.” Society for Pediatric and Perinatal Epidemiologic Research, Baltimore, MD, June 22, 2018, poster.
100. **Keim SA**, Boone KM, Rausch J. “Application of the “Intent to Attend” Assessment to Predict Missing Data and Adherence in a Pediatric Clinical Trial.” Society for Pediatric and Perinatal Epidemiologic Research, Baltimore, MD, June 22, 2018, poster.
101. **Keim SA**, Boone KM, Rausch J. “Application of the “Intent to Attend” Assessment to Predict Missing Data and Adherence in a Pediatric Clinical Trial.” Society for Epidemiologic Research, Baltimore, MD, June 25, 2018, poster.
102. *Maskarinec JM, Li R, Ingol T, Smith K, **Keim SA**. “Associations Between Infant Feeding Modes and Child Growth During the First Six Years of Life.” Medical Student Summer Research Symposium, The Ohio State University College of Medicine, Columbus, OH, October 9, 2018, poster.
103. *Muthiah N, **Keim SA**, Adesman A. “Grandparents Raising Grandchildren: Are They Up to the Job?” American Academy of Pediatrics National Conference and Exhibition, Orlando, FL, November 2, 2018, presentation.
104. Boone KM, Rausch J, Pelak G, Li R, Turner AN, Klebanoff MA, **Keim SA**. “DHA and AA Supplementation and Sleep in Toddlers Born Preterm: A Randomized

Controlled Trial.” American Academy of Pediatrics National Conference and Exhibition, Orlando, FL, November 2, 2018, poster.

105. *Fu J, Matson W, Morningstar R, Nelson E, Blei H, Alexis D, **Keim SA**, Klebanoff MA. “Neural Activation underlying Executive Function in Young Children with Prenatal Marijuana Exposure and Unexposed Controls.” Research Institute at Nationwide Children’s Hospital Research Retreat, November 14, 2018, poster.
106. Sullivan J, Wiese A, Boone K, Rausch J, **Keim SA**. “To Attend, or Not to Attend: Examining Parent Intentions and Study Completion in a Pediatric, Randomized Controlled Trial.” Research Institute at Nationwide Children’s Hospital Research Retreat, November 14, 2018, lightening poster presentation.
107. Sullivan J, Wiese A, Boone K, Rausch J, **Keim SA**. “To Attend, or Not to Attend: Examining Parent Intentions and Study Completion in a Pediatric, Randomized Controlled Trial.” Society for Behavioral Medicine, March 6, 2019, Baltimore, MD, oral presentation.
108. Ingol TT, Ronau R, Li R, Klebanoff MA, Oza-Frank R, Rausch J, Boone KM, **Keim SA**. “Underdiagnosis of Obesity in Pediatric Clinical Care Settings among Children Born Preterm: A Retrospective Cohort Study.” April 28, 2019, Baltimore, MD, poster.
109. *Gim H, **Keim SA**, Adesman A. “Driving When Using Marijuana is Associated with Other Substance Use among U.S. High School Students.” Pediatric Academic Societies. April 27, 2019, Baltimore, MD, platform presentation.
110. *Gim H, **Keim SA**, Adesman A. “Driving When Using Marijuana is Associated with Other Risky Motor Vehicle Behaviors among U.S. High School Students.” Pediatric Academic Societies. April 29, 2019, Baltimore, MD, poster.
111. *Rigsby DC, **Keim SA**, Adesman A. “Electronic Vapor Product Usage and Alcohol- & Drug-Related Risk Behaviors in U.S Adolescents: Data from the 2017 National Youth Risk Behavior Survey.” Pediatric Academic Societies. April 27, 2019, Baltimore, MD, platform presentation.
112. *Gim H, **Keim, SA**, Adesman A. “Driving When Using Marijuana and Driving When Using Alcohol among U.S. High School Students.” Pediatric Academic Societies. April 29, 2019, Baltimore, MD, selected for APA Presidential Plenary and Armstrong Lecture.
113. *Jossart S, Adesman A, MD, Tchaconas A, **Keim, SA**, “What Factors Are Important to Mothers of Multiples When Deciding to Breastfeed Beyond Infancy.” Pediatric Academic Societies. April 29, 2019, Baltimore, MD, poster.
114. Singer M, **Keim SA**. Adesman, A. “Healthy and Ready to Learn: The Impact of Early School Attendance on School Readiness of Preschool-Aged Children in the United

- States.” Pediatric Academic Societies. April 29, 2019, Baltimore, MD, platform presentation.
115. Singer M, **Keim SA**, Adesman A. “Healthy and Ready to Learn: The Impact of Early School Attendance on the School Readiness of Preschool-Aged Children in the United States.” ESPRM19/Eastern Society for Pediatric Research. March 22, 2019, Philadelphia, PA, platform presentation.
 116. Klebanoff MA, McKenzie LA, **Keim SA**. “Marijuana and Moms: Pregnant Women’s Knowledge, Attitudes, and Experiences with Prenatal Care Providers Regarding Marijuana.” Society for Epidemiologic Research. June 22, 2019, Minneapolis, MN, poster.
 117. Klebanoff MA, McKenzie LA, **Keim SA**. “Marijuana and Moms: Pregnant Women’s Knowledge, Attitudes, and Experiences with Prenatal Care Providers Regarding Marijuana.” Society for Pediatric and Perinatal Epidemiologic Research. June 19, 2019, Minneapolis, MN, poster.
 118. Li R, Ingol T, Smith K, Oza-Frank Reena, **Keim SA**. “Consistency of maternal recall of feeding at the breast and expressed milk feeding across 6 years.” Society for Pediatric and Perinatal Epidemiologic Research. June 17-18, 2019, Minneapolis, MN, poster.
 119. Ingol TT, Li R, Klebanoff MA, Oza-Frank R, Rausch J, Boone KM, **Keim SA**. “Underdiagnoses of Obesity in Pediatric Clinical Care Setting among Children Born Preterm: A Retrospective Cohort Study”. Society for Pediatric and Perinatal Epidemiologic Research. June 17-18, 2019. Minneapolis, MN, poster.
 120. *Cronin T, Andridge, R, **Keim S**. “The Social Ecological Model and Infant Mortality in Franklin County, Ohio and Tokyo, Japan.” The Ohio State University College of Public Health Research Day. April 10, 2019, Columbus, OH, poster.
 121. **Keim SA**, Boone KM, Pattison K, Ingol T, Pelak G, Sheppard KW, Nelin MA, Klebanoff MA, Rausch J, Yeates KO, Turner AN, Rogers LK. “Developmental and Behavioral Follow-up at Age 2 Years of Preterm Children Supplemented with Docosahexaenoic and Arachidonic Acid at Age 1 Year: The Omega Tots Trial.” European Academy of Pediatrics 2019 Congress. September 19-22, 2019, Porto, Portugal, rapid oral presentation.
 122. *Singer M, **Keim SA**, Adesman A. “Healthy and Ready to Learn: The Impact of Early School Attendance on School Readiness of Preschool-Aged Children in the United States.” American Academy of Pediatrics National Conference and Exhibition, New Orleans, LA, October 25, 2019, poster.
 123. *Fu X, Mattson WI, Morningstar M, Blei H, Alexis D, Sullivan J, **Keim S**, Klebanoff M, Nelson EE. “Neural Activation Underlying Executive Function in Young Children

with Prenatal Marijuana Exposure and Unexposed Controls.” The Social and Affective Neuroscience Society, Miami, FL, May 2, 2019, poster.

124. *Rigsby D, **Keim S**, Adesman A. “Clinical Correlates of Handedness in U.S. Children: Data from the National Collaborative Perinatal Project.” Society for Developmental and Behavioral Pediatrics, Washington, DC, September 13, 2019, poster.
125. *Fu X, Sullivan J, Blei H, **Keim S**, Klebanoff M, Nelson E. “Prenatal Marijuana Exposure: Effects on Brain Morphology and Executive Functions in Young Children.” Annual Meeting of the International Society for Developmental Psychobiology, Chicago, IL, October 16, 2019, symposium.
126. Sullivan J, Fu X, Blei H, **Keim S**, Klebanoff M, Nelson E. “Prenatal Marijuana Exposure and Brain Structural Development in Young Children.” Annual Meeting of the International Society for Developmental Psychobiology, Chicago, IL, October 16, 2019, poster.
127. Puritz M, Jackson J, Crerand C, Li R, Sullivan J, **Keim S**. “Postpartum Physical Symptoms and Breastfeeding Outcomes.” Abigail Wexner Research Institute Annual Research Retreat, Columbus, OH, November 18, 2019, poster.
128. Stith B, Buls S, **Keim S**, Oza-Frank, R. “Moms in Motion: Weight Loss Intervention for Postpartum Mothers After Gestational Diabetes.” Abigail Wexner Research Institute Annual Research Retreat, Columbus, OH, November 18, 2019, poster.
129. Yang Y, Krupsky K, McAdams R, Roberts K, **Keim S**, McKenzie L. “Social Media Use and Breastfeeding Outcomes.” Abigail Wexner Research Institute Annual Research Retreat, Columbus, OH, November 18, 2019, lunch around presentation.
130. Buhimschi IA, Buhimschi CS, Ahmad L, Solden L, Zhao G, **Keim S**, Bailey M. “Lessons Learned from Investigating the Microbiome Structure of Somali-Americans, a Low-Risk Preterm Birth Population.” Society for Maternal-Fetal Medicine, Grapevine, TX, February 7, 2020, poster.
131. **Keim SA**, Parrott A. “Adverse Childhood Experiences Among Children Under the Care of Grandparents or in Multi-generational Households in a Nationally Representative Sample.” International Congress of Infant Studies, Glasgow, Scotland, July 7, 2020, poster.
132. Zvara, BJ, **Keim, S**, Andridge, R, Anderson, S. “Associations Between Maternal Anxiety, Parenting Behavior, and Negative Emotionality in Toddlers.” International Congress of Infant Studies, Glasgow, Scotland, July 7, 2020, poster.

133. Zvara BJ, **Keim SA**, Andridge R, Anderson SE. "Associations Between Parenting Stress, Sensitive Parenting, and Talking with Children at Mealtimes." International Congress of Infant Studies, Glasgow, Scotland, July 7, 2020, poster.
134. **Keim SA**, Zvara B, Andridge R, Harlow K, Anderson SE. "From the Breast to the Table: Breastfeeding Duration and Mealtime Routines, Feeding Strategies and Parent Expectations for Mealtime at 18 and 24 Months in a Sample Born Preterm and at Term." International Congress of Infant Studies, Glasgow, Scotland, July 7, 2020, poster.
135. Anderson SE, **Keim SA**, Andridge R, Zvara B. "Dynamics of Sleep and Mealtime Routines During the Toddler Years." International Congress of Infant Studies, Glasgow, Scotland, July 7, 2020, poster.
136. Anderson SE, Sullivan J, **Keim SA**, Andridge R, Zvara B. "Knowledge About Early Childhood Development: Relationships with Caregiver Stress and Child Temperament." International Congress of Infant Studies, Glasgow, Scotland, July 7, 2020, poster.
137. Puritz M, Jackson J, Crerand C, Li R, Sullivan J, **Keim S**. "Postpartum Physical Symptoms and Breastfeeding Outcomes." Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, poster. *Due to Covid-19 related conference cancellation, this peer reviewed abstract and/or presentation was accepted but not presented.*
138. Khalsa AS, Li R, Rausch J, Klebanoff M, Ingol T, Oza-Frank R, Boone K, **Keim SA**. "Early Childhood Growth Trajectories in a Medicaid Population." Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, platform presentation. *Due to Covid-19 related conference cancellation, this peer reviewed abstract and/or presentation was accepted but not presented.*
139. Khalsa AS, Weber Z, **Keim SA**, Zvara B, Andridge R, Anderson SE. "Factors Associated With Stress in Parents of Young Toddlers" Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, platform presentation. *Due to Covid-19 related conference cancellation, this peer reviewed abstract and/or presentation was accepted but not presented.*
140. Murnan A, **Keim SA**, Fried P, Yeates K, Boone K, Sheppard K, Klebanoff M. "Associations Between Prenatal Marijuana Exposure and Aggression and Problem Behaviors at 3.5 Years of Age." Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, poster. *Due to Covid-19 related conference cancellation, this peer reviewed abstract and/or presentation was accepted but not presented.*

141. Murnan A, **Keim SA**, Fried P, Yeates K, Boone K, Sheppard K, Klebanoff M. "Differences in Early Childhood Executive Functioning, Visual Spatial Ability and Emotion Regulation by Prenatal Marijuana Exposure" Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, submitted.
142. **Keim SA**, Adesman A. "Clinical Correlates of Sinistrality in U.S. Children: Data from the National Collaborative Perinatal Project." Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, poster. *Due to Covid-19 related meeting cancellation, this peer reviewed abstract and/or presentation was accepted but not presented.*
143. **Keim SA**, Adesman A. "Impact of Sports Team Participation and Academic Performance on the Use of Electronic Vapor Products among High School Students in the United States." Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, platform. *Due to Covid-19 related meeting cancellation, the peer reviewed abstract and/or presentation was accepted but not presented.*
144. **Keim SA**, Adesman A. "Grandparents Raising Grandchildren: Investigating Adverse Child Experiences and Caregiver-Child Interactions in the Skipped-Generation Household." Pediatric Academic Societies, Philadelphia, PA, May 2, 2020, poster. *Due to Covid-19 related meeting cancellation, the peer reviewed abstract and/or presentation was accepted but not presented.*
145. Murnan A, **Keim SA**, Fried P, Yeates K, Boone K, Sheppard K, Klebanoff M. "Associations Between Prenatal Marijuana Exposure and Aggression and Problem Behaviors at 3.5 Years of Age" Society for Pediatric and Perinatal Epidemiologic Research, December 15, 2020, Boston, poster.
146. Krupsky K, **Keim SA**, Andridge R, Zvara B, Anderson S. "How are infant birthweight and gestational age related to parent feeding practices when children are toddlers?" Society for Pediatric and Perinatal Epidemiologic Research, December 15, 2020, Boston, poster.
147. Klebanoff M, Murnan A, Li R, **Keim SA** "Marijuana Use During Pregnancy and Maternal Sleep Quality" Society for Pediatric and Perinatal Epidemiologic Research, December 15, 2020, Boston, poster.
148. Ingol TT, Rausch J, Anderson SE, **Keim SA** "Maternal Weight Trajectories from Pre-Pregnancy through Postpartum and Childhood Obesity Risk: A Latent Class Analysis Using a Large US Pregnancy Cohort." Society for Pediatric and Perinatal Epidemiologic Research, December 15, 2020, Boston, poster.
149. Zvara, BJ, **Keim, S**, Andridge, R, Anderson, S. "Associations Between Maternal Anxiety, Parenting Behavior, and Negative Emotionality in Toddlers." Society for Research in Child Development, April 7, 2021, paper presented as part of Paper Symposium: "Advances in the Study of Parenting and Infant Emotional Development: Merging Modern and Traditional Measures."

150. Nulty, A, Zvara, B, Andridge, R, **Keim, S**, Anderson, S. “Toddler Sleep Duration and Nighttime Awakenings Associated with Regular Bedtime and Sleep Time Routines.” Society for Research in Child Development, April 7, 2021, poster.
151. Kravets, ME, Sullivan, J, Parrott, A, Anderson, SE, Zvara, B, Andridge, R, **Keim, SA**. “Associations Between Caregiver Eating Competence, Caregiver Weight Status, and Child Obesity in Toddlerhood.” Society for Research in Child Development, April 7, 2021, poster.
152. Kravets M, Klebanoff MA, **Keim SA**. “Maternal lifetime surgery and prenatal exposure to fluorinated anesthetics and offspring neurodevelopment.” Society for Pediatric and Perinatal Epidemiologic Research, June 21, 2021, San Diego, CA, speed talk.
153. **Keim SA**, Mason RE, Parrott A. “The School Readiness of U.S. Preschool-aged Children Raised by Grandparent or Multigenerational Caregivers Compared to Parents.” CityMATCH / MCH Epidemiology Conference, New Orleans, LA, December 7, 2021, poster.
154. **Keim SA** & A Parrott. “Mental Health, Emotional Support, and Managing Parenting Demands Among Grandparent and Multigenerational Caregivers Compared to Parents in the U.S.” Society for Pediatric and Perinatal Epidemiologic Research, June 21, 2021, San Diego, CA, speed talk.
155. Yisahak SF, Khalsa A, **Keim SA**. “Caregiver Concern about Child Overweight/obesity in Parent vs. Grandparent-headed Households.” Pediatric Academic Societies, Denver, CO, April 28, 2022, oral presentation.
156. **Keim SA**, Yisahak SF, Parrott A, Mason R. “The Language and Communication Development and School Readiness of Children Raised by Grandparent Caregivers Compared to Parents.” Pediatric Academic Societies, Denver, CO, April 28, 2022, poster.
157. Khalsa A, Andridge R, **Keim SA**, Zvara BJ, Anderson SE. “The Longitudinal Relationship between Parenting Stress and Childhood Sedentary Behaviors in Toddlerhood.” Pediatric Academic Societies, Denver, CO, April 28, 2022, poster.
158. Yisahak SF, Boone KM, **Keim SA**. “Prospective Associations of Sleep with Diet and Adiposity Among Toddlers Born Preterm.” Pediatric Academic Societies, Denver, CO, April 28, 2022, poster.
159. Yisahak SF, Boone KM, **Keim SA**. “Prospective Associations of Sleep with Diet and Adiposity Among Toddlers Born Preterm.” Society for Epidemiologic Research, Chicago, IL, June 16, 2022, poster.

160. Yisahak SF, Boone KM, **Keim SA**. “Prospective Associations of Sleep with Diet and Adiposity Among Toddlers Born Preterm.” Society for Pediatric and Perinatal Epidemiologic Research, Chicago, IL, June 13, 2022, poster.
161. **Keim SA**, Yisahak SF, Parrott A, Mason R. “The Language and Communication Development and School Readiness of Children Raised by Grandparent Caregivers Compared to Parents.” Society for Pediatric and Perinatal Epidemiologic Research, Chicago, IL, June 13, 2022, poster.
162. Yisahak SF, Khalsa A, **Keim SA**. “Caregiver Concern about Child Overweight/obesity in Parent vs. Grandparent-headed Households.” Society for Epidemiologic Research, Chicago, IL, June 16, 2022, poster.
- 163.

BOOK CHAPTERS

1. **Keim SA** and Kimmel CA. (2010) The National Children’s Study: Linking Exposures to Effects in Children’s Environmental Health. In: McQueen, CA (Ed.) *Comprehensive Toxicology*. Oxford, Elsevier.

NON-PEER REVIEWED REPORTS

1. **Keim SA**. “An Analysis of the 1992 Energy Policy and Conservation Act Alternative Fuel Provider Vehicle Fleet Requirements.” Report (1996) U.S. Department of Energy, Argonne National Laboratory, Center for Transportation Research.
2. Vyas A, Wang M, **Keim SA**. “Potential Impacts of EPACT Section 501 on Fuel Providers: Natural Gas, Electricity, Propane, and Hydrogen Providers.” Report (1996) U.S. Department of Energy, Argonne National Laboratory, Transportation Technology R&D Center.
3. Vyas A, Wang M, **Keim SA**. “Potential Impacts of EPACT Section 501 on Fuel Providers: Natural Gas, Electricity, Propane, and Hydrogen Providers.” Report (1996) U.S. Department of Energy, Argonne National Laboratory, Transportation Technology R&D Center.
4. **Keim SA**. “Expenditures of Great Lakes Salmon and Trout Stamp Revenues 1996-1999.” Report. (1998) Wisconsin Department of Natural Resources, Bureau of Fisheries Management and Habitat Protection.

EDITORIALS AND REVIEW ACTIVITIES

EDITOR/SERVICE ON EDITORIAL BOARD(S)

- | | |
|--------------|--|
| 2015-18 | <i>Review Editor</i>
Frontiers in Public Health (international journal) |
| 2015-16 | <i>Trainee Editor</i>
Paediatric and Perinatal Epidemiology
Mentored role managing editorial process from submission to decision for 31 manuscripts in 12 months at this international journal, coordinating decisions with Editor-in-Chief of the journal. |
| 2016-present | <i>Associate Editor</i>
Paediatric and Perinatal Epidemiology
Manage editorial process from submission to decision for the pediatric section of this international journal. Handled more than 70 papers in 2017. Mentor two Trainee Editors (2018-19 and 2019-). |
| 2018-19 | <i>Special Issue Editor</i>
Paediatric and Perinatal Epidemiology (international journal)
Served as editor of a special issue on periviable births. |

JOURNAL REVIEWER

Ad hoc manuscript reviewer for the following journals.

- | | |
|--------------|--|
| 2005-present | Epidemiology |
| 2006-present | American Journal of Epidemiology |
| 2008-present | BMJ |
| 2008-present | Canadian Medical Association Journal |
| 2008-present | Neurotoxicology and Teratology |
| 2008-present | Science of the Total Environment |
| 2008-present | Epidemiology Research International |
| 2008-present | Statistics in Medicine |
| 2009-present | American Journal of Perinatology |
| 2009-present | Journal of Epidemiology and Community Health |
| 2010-present | Pediatrics |
| 2011-present | Journal of Adolescent Health |
| 2012-present | American Journal of Obstetrics and Gynecology |
| 2012-present | Paediatric and Perinatal Epidemiology |
| 2012-present | Journal of Autism and Developmental Disorders |
| 2012-present | International Journal of Obesity |
| 2012-present | BMC Pregnancy and Childbirth |
| 2012-present | Journal of Affective Disorders |
| 2012-present | Maternal and Child Health Journal |
| 2012-present | Behavior Research Methods |
| 2012-present | Journal of Human Lactation |
| 2012-present | Scandinavian Journal of Psychology |
| 2013-present | Journal of Developmental Origins of Health and Disease |

2013-present	JAMA
2014-present	Journal of Pediatrics
2014-present	American Journal of Clinical Nutrition
2014-present	American Journal of Public Health
2014-present	PLoS ONE
2014-present	Journal of Nutrition
2015-present	Early Human Development
2015-present	Canadian Medical Association Journal (CMAJ) Open
2015-present	European Journal of Clinical Nutrition
2016-present	Pediatric Research
2017-present	Maternal and Child Nutrition
2018-present	Archives of Women's Mental Health
2019-present	International Journal of Human Rights in Healthcare
2019-present	New England Journal of Medicine
2021-present	Breastfeeding Medicine

OTHER EDITORIAL OR REVIEWER SERVICE

2017	Invited Chapter Reviewer for <u>Infant and Pediatric Feeding: Guidelines for Preparation of Human Milk and Formula in Health Care Facilities, 3rd ed.</u> A professional reference book published by the U.S. Academy of Nutrition and Dietetics.
2017	Invited Book Proposal Reviewer for Oxford University Press <i>What Everyone Needs to Know</i> series.
2018	Invited promotion dossier review for a candidate for Associate Professor, University of Arizona.
2021	Invited promotion dossier review for a candidate for Associate Professor, Michigan State University.

TEACHING

COURSES TAUGHT

Spring 2006	<i>Guest Lecturer</i> Introduction to Health Professions University of North Carolina Chapel Hill, North Carolina
Summer 2011, Fall 2011	<i>Instructor</i> Undergraduate Research in Pediatrics (PDATRICS 699) The Ohio State University College of Medicine Columbus, Ohio

Fall 2011, Spring 2012	<i>Instructor</i> Individual Studies In Health Management/Policy (PUBHHMP 693) The Ohio State University College of Public Health Columbus, Ohio
Fall 2011	<i>Instructor</i> (one session of weekly course) Reproductive and Perinatal Epidemiology (PUBHEPI 820) The Ohio State University College of Public Health Columbus, Ohio
Winter 2012	<i>Instructor</i> Independent Study in Epidemiology (PUBHEPI 793) The Ohio State University College of Public Health Columbus, Ohio
Summer 2012	<i>Instructor</i> Independent Study in Epidemiology (PUBHEPI 7193) The Ohio State University College of Public Health Columbus, Ohio
Fall 2012	<i>Instructor</i> Undergraduate Research in Pediatrics (PDATRICS 4998) The Ohio State University College of Medicine Columbus, Ohio
Spring 2014	<i>Instructor</i> (one session of weekly course) Injury Epidemiology (PUBHEPI 6432) The Ohio State University College of Public Health Columbus, Ohio
Fall 2014	<i>Instructor</i> (one session of weekly course) Introductory Doctoral Seminar in Epidemiology (PUBHEPI 8899.03) The Ohio State University College of Public Health Columbus, Ohio
Fall 2015	<i>Instructor</i> (one session of weekly course) Introductory Doctoral Seminar in Epidemiology (PUBHEPI 8899.03) The Ohio State University College of Public Health Columbus, Ohio
Spring 2016	<i>Instructor</i> (one session of weekly course) Injury Epidemiology (PUBHEPI 6432) The Ohio State University College of Public Health

June 2022

Columbus, Ohio

Spring 2016

Instructor (one session of weekly course)
Reproductive and Perinatal Epidemiology (PUBHEPI 6440)
The Ohio State University College of Public Health
Columbus, Ohio

Fall 2016

Instructor
Undergraduate Research in Pediatrics (PDATRICS 4998)
The Ohio State University College of Medicine
Columbus, Ohio

Fall 2016

Instructor
Senior Honors Thesis (Independent Study) (PUBHLTH 4999)
The Ohio State University College of Public Health
Columbus, Ohio

Spring 2017

Instructor
Undergraduate Research in Pediatrics (PDATRICS 4998)
The Ohio State University College of Medicine
Columbus, Ohio

Fall 2017

Instructor (one session of weekly course)
Introductory Doctoral Seminar in Epidemiology (PUBHEPI 8899.03)
The Ohio State University College of Public Health
Columbus, Ohio

Spring 2018

Instructor (one session of weekly course)
Reproductive and Perinatal Epidemiology (PUBHEPI 6440)
The Ohio State University College of Public Health
Columbus, Ohio

Spring 2018

Instructor (one session of weekly course)
Injury: A Public Health Problem (PUBHEPI 4432)
The Ohio State University College of Public Health
Columbus, Ohio

Fall 2018

Instructor (one session of weekly course)
Introductory Doctoral Seminar in Epidemiology (PUBHEPI 8899.03)
The Ohio State University College of Public Health
Columbus, Ohio

Fall 2018

Instructor
Senior Honors Thesis (Independent Study) (PUBHLTH 4999)

June 2022

The Ohio State University College of Public Health
Columbus, Ohio

November 2019

Visiting Instructor
Case Studies in Nutrition and Dietetics (Dietetics Interns)
University of Cincinnati Department of Nutrition
Cincinnati, Ohio

Spring 2020

Instructor (one session of weekly course)
Injury: A Public Health Problem (PUBHEPI 4432)
The Ohio State University College of Public Health
Columbus, Ohio

Spring 2020

Instructor (one session of weekly course)
Reproductive and Perinatal Epidemiology (PUBHEPI 6440)
The Ohio State University College of Public Health
Columbus, Ohio

Fall 2020, 2021

Visiting Instructor
Human Lactation (NTRN 441)
Case Western Reserve University
Cleveland, Ohio

Spring 2022

Instructor (two sessions of weekly course)
Reproductive and Perinatal Epidemiology (PUBHEPI 6440)
The Ohio State University College of Public Health
Columbus, Ohio

EDUCATION LEADERSHIP ROLES

2012-present

Member
Patient Centered Pediatric Research (PC-PREP) Post-doctoral Training
Program Steering Committee
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2016-20

Member
Faculty Adviser, Research Institute Trainees Association
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

2017-present

Co-Director
Patient Centered Pediatric Research (PC-PREP) Post-doctoral Training
Program
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

June 2022

2020-2022 *Member*
PhD Qualifying Exam Committee
Division of Epidemiology, College of Public Health
The Ohio State University
Columbus, Ohio

EDUCATIONAL LECTURES / PRESENTATIONS

NATIONAL/INTERNATIONAL

- 2005 “National Children’s Study’s Communications and Community Outreach Efforts, Past and Future, With a Focus on Governmental and Non-Governmental Collaborations.” 3 CE credits.
Continuing Education Institute
American Public Health Association
Philadelphia, PA
- 2018 “Breastfeeding: Is it at the Breast Anymore?”
Great Lakes NetWORK Series – Breastfeeding Education Webinar
Hosted by Michigan Breastfeeding Network
Lansing, MI

LOCAL/REGIONAL

- 2011 “The Role of Polyunsaturated Fatty Acids in the Neurodevelopment and Behavior of Young Children.”
Pediatric Research Presentation Series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2012 “The Complexity of Contemporary Infant Feeding Practices – Moving Toward a New Definition of ‘Breastfeeding’.”
Bench to Outcome Seminar Series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2013 “Breastfeeding Across Infancy Among Preterm Infants.”
Division of Neonatology / Neonatal Nutrition Grand Rounds
Nationwide Children’s Hospital
Columbus, Ohio
- 2013 “Clinical Research on the Role of Polyunsaturated Fatty Acids in the Behavior of Young Children.”
Child Development Center Cutting Edge Seminar Series
Nationwide Children’s Hospital

Westerville, Ohio

- 2013 “Identifying Funding Sources.”
PC-PREP Post-doctoral Training Program seminar series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2013 “Microbial Contamination of Human Milk Purchased Via the Internet.”
Division of Neonatology / Neonatal Nutrition Grand Rounds
Nationwide Children’s Hospital
Columbus, Ohio
- 2015 “Identifying Funding Sources.”
PC-PREP Post-doctoral Training Program seminar series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2015 “Microbial Contamination of Human Milk Purchased Via the Internet.”
Clinical Nutrition and Lactation
Nationwide Children’s Hospital
Columbus, Ohio
- 2015 “The Benefits and Pitfalls of Breastfeeding.”
Pediatric Research Presentation Series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2016 “Breast Milk Sharing in the Community.”
Neonatology Academic Seminar
Nationwide Children’s Hospital
Columbus, Ohio
- 2017 “Breast Milk Sharing.”
NICU Ethics Roundtable
Nationwide Children’s Hospital
Columbus, Ohio
- 2017 “Breast Milk and Breastfeeding Research.”
NeoLactation Team
Nationwide Children’s Hospital and affiliated NICUs
Columbus, Ohio
- 2017 “Identifying Funding Sources.”
PC-PREP Post-doctoral Training Program seminar series
The Research Institute at Nationwide Children’s Hospital

Columbus, Ohio

- 2017 “Got Milk? Breast Milk Sharing in the Community.”
2017 Neonatal/Perinatal Conference: Improving Safety and Quality of
Neonatal and Perinatal Care: Current Concepts and Challenges
Nationwide Children’s Hospital
Lewis Center, Ohio
- 2017 “Managing Your Lab.”
PC-PREP Post-doctoral Training Program seminar series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2018 “Omega Fatty Acid Supplementation for Autism Spectrum Disorder.”
Child Development Center Cutting Edge seminar series
Nationwide Children’s Hospital
Columbus, Ohio
- 2018 “Polyunsaturated Fatty Acids and Autism – the Omega Heroes Study.”
Center for Perinatal Research seminar series
Nationwide Children’s Hospital
Columbus, Ohio
- 2018 “Searching for The True Benefits (and Harms?) of Breastfeeding.”
Division of Gastroenterology seminar series
Nationwide Children’s Hospital
Columbus, Ohio
- 2018 “Time Management and Work-Life Balance.”
Center for Biobehavioral Health Post-baccalaureate seminar series
Nationwide Children’s Hospital
Columbus, Ohio
- 2019 “Identifying Funding Sources.”
PC-PREP Post-doctoral Training Program seminar series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2019 “CV Workshop.”
Center for Biobehavioral Health Post-baccalaureate seminar series
Nationwide Children’s Hospital

Columbus, Ohio

- 2019 “Mentor/Mentee Relationships.”
Responsible Conduct of Research training series
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2020 “Breastfeeding: One of the Most Ubiquitous and Complicated Exposures
in Epidemiology.”
Department of Epidemiology and Biostatistics
Michigan State University
East Lansing, Michigan
- 2021 “Creative Approaches to Finding Funding for Your Research.”
Research Trainee Day
The Research Institute at Nationwide Children’s Hospital
Columbus, Ohio
- 2021 “CV Workshop.”
Center for Biobehavioral Health Post-baccalaureate seminar series
Nationwide Children’s Hospital
Columbus, Ohio

DIRECT SUPERVISION and MENTORING

GRADUATE STUDENTS

- 2011-2012 Katherine Brind’Amour, MPH
Individual Studies in Health Management/Policy
PhD (Health Services Management and Policy)
The Ohio State University College of Public Health
Columbus, Ohio
- 2013 Jesse Husk, PhD
Biostatistics MPH Practicum
MPH (Biostatistics)
The Ohio State University College of Public Health
Columbus, Ohio
- 2017-2021 Kathryn Krupsky MPH
Dissertation Research
PhD (Epidemiology)
The Ohio State University College of Public Health
Columbus, Ohio

SUMMER STUDENTS

2011	Swati Bhanja Summer Research Intern Post-bac The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2012	Brandon Upchurch Summer Scientist Program for Minority High School Students High School Student The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2012	Yvette Bean Summer Research Intern BS (Psychology) The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2012, 2013	Rachel Ronau Summer Research Intern BS (Zoology) The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2016	Thalia Cronin Summer Research Intern BS (Public Health) The Research Institute at Nationwide Children's Hospital Columbus, Ohio
2016	Nhu Do Futures Matter Summer Program High School Student The Research Institute at Nationwide Children's Hospital Columbus, Ohio

MEDICAL STUDENTS

2014	Elizabeth Klag Roessler Scholar Summer Research Program MD The Ohio State University College of Medicine Columbus, Ohio
------	---

Awarded an OSU College of Medicine Student Research Scholarship (\$3000)

2017 Rachel Ronau
Research Rotation (4th year)
DO
Ohio University Heritage College of Osteopathic Medicine
Columbus, Ohio

2018 Jennifer Maskarinec
Roessler Scholar Summer Research Program
MD
The Ohio State University College of Medicine
Columbus, Ohio
Awarded an OSU College of Medicine Student Research Scholarship (\$3000)

ORAL EXAM PARTICIPATION

2014 Katherine Brind'Amour, MPH
PhD (Health Services Management and Policy)
The Ohio State University College of Public Health
Columbus, Ohio

FINAL DEFENSE PARTICIPATION

2013 Lydia Kruse
PhD (Human Development and Family Science)
The Ohio State University
Columbus, Ohio
Served as Graduate School Representative

2016 Katherine Brind'Amour, MPH
PhD (Health Services Management and Policy)
The Ohio State University College of Public Health
Columbus, Ohio
Served as a member of her dissertation committee

2020 Wei-Yi Sun
DMA (Music Performance)
The Ohio State University
Columbus, Ohio
Served as Graduate School Representative

UNDERGRADUATE

2011	Chenali Jayadeva Undergraduate Pediatrics Research BS (Psychology) The Ohio State University Columbus, Ohio
2011	Evan Plunkett Undergraduate Pediatrics Research BS (Biology) The Ohio State University Columbus, Ohio
2012	Stephanie Daley Undergraduate Pediatrics Research BS (Psychology) The Ohio State University Columbus, Ohio
2012	Joseph Macklin Undergraduate Pediatrics Research BS (Chemistry) The Ohio State University Columbus, Ohio
2013	Nathan Hanna Undergraduate Pediatrics Research BS (Psychology) The Ohio State University Columbus, Ohio
2016-17	Sarah Jossart (Monvillers) Public Health Honors Program, Thesis BS (Public Health) The Ohio State University Columbus, Ohio <i>Awarded an OSU Undergraduate Research Scholar Grant (\$1000)</i>
2016-19	Erin Shafer Public Health Honors Program Capstone project, 2 nd reader <i>“Postpartum Testing for Women with Gestational Diabetes”</i> BS (Public Health) The Ohio State University Columbus, Ohio
2018-19	Thalia Cronin

Public Health Honors Program
Thesis: *"The Social Ecological Model and Infant Mortality in Columbus, Ohio and Tokyo, Japan"*
BS (Public Health)
The Ohio State University
Columbus, Ohio
Awarded an OSU Undergraduate Research Scholarship (\$3065)

2022 Liberty Sheppard
Master of Public Health
2nd reader *"Early Life Neighborhood Social Control and Social Disorder Impact on the Risk of Preterm Birth in African American Women"*
MPH (Public Health)
The Ohio State University
Columbus, Ohio

2022 Tatiana Shrader
Master of Public Health
2nd reader *"title"*
MPH (Public Health)
The Ohio State University
Columbus, Ohio

POSTDOCTORAL RESEARCH FELLOWS

2014-16 Jesse Husk, PhD, MPH
Patient Centered Pediatric Research Post-doctoral Program (PC-PREP)
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio
Recipient of Research Institute at Nationwide Children's Hospital Conference Travel Award \$1500

2016-18 Kelly Sheppard, PhD
Patient Centered Pediatric Research Post-doctoral Program (PC-PREP)
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio
First place, American Society for Nutrition, Neurobiology group for the Emerging Leaders in Nutrition Science Poster Competition

Recipient, Research Institute at Nationwide Children's Hospital Conference Travel Award \$1500

Recipient, NCH Intramural Research Grant Award \$9970

2019-21 Aaron Murnan, PhD
Patient Centered Pediatric Research Post-doctoral Program (PC-
PREP)
The Research Institute at Nationwide Children's Hospital
Columbus, Ohio

CLINICAL RESIDENTS, FELLOWS, and JUNIOR FACULTY

2012 Joshua Peck, MD
Medicine/Pediatrics Residency Research Rotation
The Ohio State University College of Medicine/Nationwide
Children's Hospital
Columbus, Ohio

2013-16 Benjamin McDonald, MD
Neonatology Fellowship – Research Mentor
Nationwide Children's Hospital
Columbus, Ohio

2017- Vanessa Shanks, MD
Neonatology
Junior Faculty Scholarly Oversight Committee Member
Nationwide Children's Hospital
Columbus, Ohio

2018 Juan Lozano, MD
Developmental/Behavioral Pediatrics Fellowship
Scholarly Oversight Committee Member
Nationwide Children's Hospital
Columbus, OH

2019-2021 Stacey Ramey, MD
Neonatology Fellowship
Scholarly Oversight Committee Member
Case Western / Cleveland Clinic / Metro Health
Cleveland, OH

CONFERENCES AND SYMPOSIA

LOCAL/REGIONAL DISTINGUISHED ACTIVITIES

Invited speaker: "The National Children's Study." The Science of Environmental Justice. U.S. EPA New England, EPA Office of Research and Development, Boston University School of Public Health, May 24-26, 2004, Boston, MA.

Invited speaker: “The National Children’s Study.” U.S. Government Accountability Office, Health Care Team Seminar Series. May 1, 2007, Washington, DC.

Invited speaker: “Clinical Research on the Role of Polyunsaturated Fatty Acids in the Neurodevelopment and Behavior of Young Children.” Department of Human Nutrition monthly seminar series, The Ohio State University, October 7, 2011, Columbus, OH.

Invited speaker. “Milk Sharing via the Internet.” Invited Presentation to the Women’s Health Seminar Series, The Ohio State University, January 14, 2015, Columbus, OH.

Invited speaker. “Milk Sharing via the Internet.” Invited Presentation to the Meeting of the Ohio Lactation Consultants Association, November 5, 2014, Columbus, OH.

Invited briefing. “Human Milk Sharing and Milk Banking.” Invited bi-partisan briefing to Ohio Rep. Christina Hagan (R) and Rep. Heather Bishoff (D) and staff, May 13, 2015, Columbus OH.

Invited speaker. “Update on March of Dimes Funded Research: The Omega Tots Study and ‘Theme 5’.” Invited Presentation to the March of Dimes Board of Directors, September 10, 2015, Columbus, OH.

Invited speaker. “Making Shared Human Milk Safe.” Invited presentation at Ohio State University / Nationwide Children’s Hospital 2015 Technology Showcase, September 10, 2015, Columbus OH.

Invited speaker. “Breast Milk Banking Locally or Nationally? How to Maintain Quality.” 2nd State-of-the-Art Reviews in Neonatal-Perinatal Medicine, MetroHealth/Case Western Reserve University School of Medicine, October 7, 2017, Cleveland, OH.

Invited speaker. “Breastfeeding: Is it at the Breast Anymore? Research Update on Exclusive Pumping.” Ohio Neonatal Nutritionists Conference, October 11, 2019, Columbus, OH.

NATIONAL/INTERNATIONAL DISTINGUISHED ACTIVITIES

Invited speaker: “Health Disparities and the National Children's Study.” National Committee on Vital and Health Statistics, Subcommittee on Populations, U.S. Department of Health and Human Services, June 26, 2002, Washington, DC.

Invited speaker: “Collaborative Software Tools: The Case of the National Children’s Study.” Collaborative Information Technology Tools Symposium, September 24, 2002, Centers for Disease Control and Prevention, Atlanta, GA.

Invited panelist: “Symposium: The State of the Science in Children’s Health Research.” Chair: Chapin R, with Holsapple MP, Foster PMD, Slikker W, Lamb JC. At Bridging Risk Divides: Society for Risk Analysis Annual Meeting, December 7-10, 2003, Baltimore, MD.

Invited speaker: “The National Children's Study: Implications for State Health Plans and Services.” Eliminating Racial and Ethnic Health Disparities: A Little Less Talk and A Lot More Action, U.S. Department of Health and Human Services, Office of Minority Health, State Minority Health Leadership Meeting. July 19-21, 2004, Washington, D.C.

Invited speaker: “The National Children’s Study.” Medicine in the Media: The Challenge of Reporting on Medical Research. National Institutes of Health, Office of Medical Applications of Research. June 26-28, 2005, Bethesda, MD.

Invited speaker: “Community Engagement and the National Children’s Study.” NIH Director’s Council of Public Representatives. National Institutes of Health. October 25, 2007, Bethesda, MD.

Invited speaker: “The National Children’s Study: Update on Progress.” The Children’s Forum. May 12, 2008, Washington, DC.

Invited speaker: “The Health of Latino Children and the National Children’s Study.” At the Pediatric Academic Societies Annual Meeting, Culture, Ethnicity and Health Care Special Interest Group, May 2, 2009, Baltimore, MD, presentation.

Invited speaker: “Water and Public Health” American Public Health Association. November 7-11, 2009, Philadelphia, PA.

Invited speaker. "The Contemporary Phenomenon of Sharing Human Milk and its Implications for Child Health." Presented at Center for Interdisciplinary Research in Human Milk and Lactation Seminar Series, Cincinnati Children's Hospital, November 15, 2013, Cincinnati, OH.

Invited speaker: “Human Milk Banking – From Formal to Informal.” At the 19th Annual International Meeting of the Academy of Breastfeeding Medicine, November 16, 2014, Cleveland, OH.

Invited speaker: “Breast Milk Expression and Milk Sharing.” Invited Presentation to the U.S. Centers for Disease Control and Prevention (CDC), Maternal and Child Health Epidemiology Program National Webinar Series, April 1, 2015, Atlanta, GA.

Invited speaker: “Nutrition as Intervention: Trial of PUFA to Boost Development of Preterm Toddlers.” Invited Presentation to the U.S. Health Resources and Services Administration, Maternal and Child Health Bureau Research Webinar, July 9, 2018, Rockville, MD.

Invited participant: “Bridging the Chasm between Pregnancy and Women’s Health Over the Life Course.” Invitation-only conference sponsored by NIH and PCORI and hosted by Boston University, July 16-17, 2018, Boston, MA.

Invited speaker: “Internet Purchasing of Breast Milk.” University of Minnesota-sponsored Neonatal Nutrition Conference, October 4-5, 2018, Minneapolis, MN.

Invited roundtable chair: “Careers and Finding Funding in Epidemiology.” Society for Pediatric and Perinatal Epidemiologic Research, June 18, 2019, Minneapolis, MN.

Concurrent Session Organizer and Chair: “Pediatric Epidemiology Showcase – Highlighting the Unique Challenges and Opportunities for Child Health Research.” Society for Pediatric and Perinatal Epidemiologic Research, June 18, 2019, Minneapolis, MN.

Invited visiting scholar: Women and Children’s Hospital, University of Uppsala, Uppsala, Sweden, September 24-26, 2019.

Invited speaker. “DHA Supplementation in Toddlerhood for Children Born Preterm: Recent Findings from the Omega Tots Trial.” Ruth Rosevear Lectureship, University of Cincinnati, Department of Nutrition, November 15, 2019, Cincinnati, OH.

Invited Speaker: “Long-Term Outcomes of DHA Supplementation for Toddlers Born Preterm.” University of Calgary and Alberta Children’s Hospital, Calgary, Canada, November 7, 2019.

Invited Speaker: “Is Pumping Just as Good as Feeding at the Breast? Emerging Findings and Research Challenges.” MILC – Manitoba Interdisciplinary Lactation Centre, University of Manitoba, Winnipeg, Manitoba, Canada. May 21, 2021.

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

2006-present	<i>Member</i> Society for Epidemiologic Research
2011-22	<i>Conference Abstract Reviewer, Annual Conferences</i> Society for Epidemiologic Research
2015-16	<i>Member, 50th Anniversary Conference Planning Committee (Social)</i> Society for Epidemiologic Research
2006-present	<i>Member</i> Society for Pediatric and Perinatal Epidemiologic Research (international society)
2014	<i>Poster Tour Leader, Annual Conference</i> Society for Pediatric and Perinatal Epidemiologic Research (international society)
2009-22	<i>Conference Abstract Reviewer, Annual Conferences</i> Society for Pediatric and Perinatal Epidemiologic Research (international society)
1999-2000, 06-11	<i>Member</i>

	International Society of Environmental Epidemiology
2010	<i>Conference Abstract Reviewer</i> , Annual Conference International Society of Environmental Epidemiology
2017	<i>Executive Education</i> Self-Awareness for Women In Leadership Weatherhead School of Management, Case Western Reserve University
2017-present	<i>Member</i> International Society for Research in Human Milk and Lactation
2019-2020	<i>Member</i> European Academy of Paediatrics Geneva, Switzerland
2019-	<i>Member</i> Academic Pediatric Association
2019-	<i>Co-Chair</i> Milk Club (Special Interest Group), Pediatric Academic Societies
2019-22	<i>Secretary (elected)</i> Society for Pediatric and Perinatal Epidemiologic Research (international society)
2020-	<i>Member</i> International Congress on Infant Studies
2022-	<i>Member</i> International Society for Autism Research

RESEARCH DISSEMINATION VIA MEDIA

Selected major media activities:

2012	National and International Media Coverage Related to Publication: “Injuries associated with bottles, pacifiers, and sippy cups in the United States, 1991-2010.” <i>Pediatrics</i> . Estimated total audience reach >300 million International outlets: Telegraph Australia US national outlets: New York Times and New York Times Magazine, NPR, Parents Magazine, WebMD, Los Angeles Times, Yahoo! News, all top local media markets network affiliates
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2013	<p>National and International Media Coverage Related to Publication: “Microbial Contamination of Human Milk Purchased via the Internet.” <i>Pediatrics</i>. Estimated total audience reach >800 million International outlets: BBC, Times of London, Daily Mail UK, CBC.ca, The Weekend Australian (Sydney), Baby und Familie (most popular German parents magazine) US national outlets: New York Times (front page), Wall Street Journal, Today Show (Personal appearance), USA Today, NPR, New York Post, Huffington Post, Associated Press, Featured in opening monologue of Conan O’Brien Show, many other outlets Local news: Columbus Dispatch (front page), others</p>
2015	<p>National and International Media Coverage Related to Publication: “Cow’s Milk Contamination of Human Milk Purchased via the Internet.” <i>Pediatrics</i>. Estimated total audience reach >500 million International outlets: NHK (Japanese national television in-person interview), CCTV (English language news channel of China Central Television, the nation’s largest national broadcaster) US national outlets: Wall Street Journal, USA Today, LA Times, Washington Post, MSNBC, All Things Considered, NPR News, Featured in opening monologue of Conan O’Brien Show (second time), many other outlets Medical news publications: AMA Morning Rounds, NEJM Journal Watch Local news: Columbus Dispatch (front page), others</p>
2019	<p><i>Featured on-camera expert about human milk sharing</i> Netflix 8-part documentary series about the global wellness industry LEFT/RIGHT Productions</p>
2013-ongoing	<p><i>Regularly featured expert on breastfeeding, human milk sharing, and pumping contacted by major media outlets for interview</i> The Atlantic, “A Brief History of Breast Pumps.” 2013. The Daily Mail (UK), “Breast milk makes us stronger.” 2014. Project Syndicate, “The Dangers of the Milk-Sharing Economy.” Invited commentary, 2016. HuffPost TV, talk program panelist, 2015. Washington Post, “Baby formula made of raw milk? It’s happening.” 2015. The Atlantic, “Breast milk for sale.” 2015. Forum (KQED San Francisco Public Radio talk program), featured guest, 2015. Doctor Radio (Sirius XM), sole guest on half-hour program, 2015 The Atlantic, “Breastfeeding at Any Cost?” 2017.</p>

Boston Globe, “‘Everybody Wants It’: The Thriving Breast Milk Market.” 2019.
Verywell Family. “Should You Buy Breast Milk Online?” 2022.

RESEARCH IMPACT ON CLINICAL GUIDELINES

- 2016-20 *Research on human milk sharing served as a basis for new clinical guidelines from the following international and national professional societies:*
- American Academy of Nursing. “Position Statement Regarding Use of Informally Shared Human Milk.” (2016) *Nursing Outlook*. 64(1):98.
- American Academy of Pediatrics, Policy Statement. “Donor Human Milk for the High-Risk Infant: Preparation, Safety, and Usage Options in the United States.” (2017). *Pediatrics*. 139(1):e20163440.
- Academy of Breastfeeding Medicine. “Academy of Breastfeeding Medicine’s 2017 Policy Statement on Informal Milk Sharing.” (2017). *Breastfeeding Medicine*. 12(9):547.
- Infection Prevention and Control Canada, Paediatric and Neonatal Interest Group. “Practice Recommendations for Handling of Expressed Human Milk in Healthcare Facilities.” (2020). *Canadian Journal of Infection Control*. Fall 2020.