

UNIVERSITY OF OKLAHOMA
COLLEGE OF MEDICINE

CURRICULUM VITAE

David A Fields, Ph. D.

Associate Professor, Department of Pediatrics
Section of Diabetes/Endocrinology
CMRI Chickasaw Nation Endowed Research Chair in Pediatric Diabetes
OU Children's Physicians Suite 4500
1200 N Children's Avenue
Oklahoma City, OK 73104
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Appointment Type: Eligible
Pathway: Basic Science Faculty

EDUCATION AND TRAINING

Postgraduate Education and Training

2001 - 2003 NIH Post-Doctoral Research Fellowship, Division of Gastroenterology, Department of Internal Medicine, Washington University, St. Louis, MO
Mentor: Samuel Klein

Education

1994 - 2000 Doctor of Philosophy, Exercise Physiology
Department of Health and Human Performance, Auburn University, Auburn, AL

1991 - 1994 Master of Science, Exercise Physiology
Department of Health and Sport Sciences, University of Oklahoma, Norman, OK

1986 - 1991 Bachelor of Science, Secondary Physical Education
Department of Physical Education, University of the Ozarks, Clarksville, AR

PROFESSIONAL EXPERIENCE

Academic

2021 - Present Full member of the Graduate Faculty in Nutritional Sciences, Nutrition Sciences, Allied Health, University of Oklahoma Health Sciences Center

2019 - Present Associate Director of the Metabolic Research Program, Endocrinology and Diabetes, Pediatrics, University of Oklahoma Health Sciences Center

2012 - Present Associate Professor, Section of Endocrinology and Diabetes, Department of Pediatrics, College of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK

2005 - 2012 Assistant Professor, Section of Diabetes and Endocrinology, Department of Pediatrics, College of Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK

- 2003 - 2005 Assistant Professor, Department of Health and Sport Sciences, University of Oklahoma, Norman, OK
- 2001 - 2003 Post-Doctoral Research Fellow, Division of Gastroenterology and the Center of Human Nutrition, Department of Internal Medicine, School of Medicine, Washington University, St. Louis, MO
- 1997 - 2001 Research Assistant, Division of Physiology and Metabolism, Department of Nutrition Sciences, University of Alabama at Birmingham, Birmingham, AL

HONORS AND AWARDS

Local/Regional

Oklahoma Treasures for Tomorrow Research Award, Oklahoma Health Center Foundation, 2016

Institutional

OUHSC Educators for Excellence, Office of the Vice Provost for Academic Affairs and Faculty Development, May 11, 2023 - Present

Provost Research Award, Basic Sciences Research - Sr. Faculty, University of Oklahoma Health Sciences Center, April 27, 2022

Tenure, University of Oklahoma Health Sciences Center, July 1, 2015

CMRI Chickasaw Nation Endowed Research Chair in Pediatric Diabetes, University of Oklahoma Health Sciences Center, August 1, 2014

Elected Member, Society of Pediatric Research, 2013

Top 10 Reviewers, Pediatric Research, 2013

Invited attendee, 18th annual Pennington Scientific Symposium "Optimal Management and Treatment of Childhood Obesity and Translation to the Public Health Context", October 28, 2013 - October 29, 2013

Alumni Research Scholar, College of Medicine, University of Oklahoma Health Sciences Center, 2006

Elected Fellow, Obesity Society, 2006

Award to Young Investigators, 2003

Junior Faculty Summer Fellowship, University of Oklahoma, 2003

SCHOLARSHIP

Contracts, Grants, and Other Research

* indicates mentee

Current

Grants

Fields, D. A. (Co-Principal Investigator), 5% Effort, "PFAS concentration in human milk: A sibling study," Human Health Exposure Analysis Resource (HHEAR), Sponsored by Minnesota HHEAR), It is a University of Minnesota Grant

Total Direct Costs: \$10,000.00

June 29, 2021 - Present

Fields, D. A. (Co-Principal Investigator), 10% Effort, "Maternal exercise induces milk thermogenic brown adipose tissue activators that stimulate infant metabolism," HHDC Team Science, Sponsored by Harold Hamm Diabetes Center, The University of Oklahoma (Institutional)

Total Direct Costs: \$149,445.00

May 11, 2021 - Present

Fields, D. A. (Mentor), 5% Effort, "Effect of maternal health on breast milk microRNA composition and its role in infant growth," PHF Clinician Scientist Development Grant, Sponsored by Presbyterian Health Foundation, The University of Oklahoma (Institutional) 2021 - Present

Fields, D. A. (Co-Principal Investigator), 25% Effort, "Maternal Obesity, Milk Composition and Infant Growth," Renewal of existing R01, Sponsored by National Institutes of Health (NICHD), Federal

Grant/Contract Number: 2R01HD080444-06A1

Total Direct Costs: \$2,495,498.00

March 1, 2020 - February 28, 2025

Krishnan, S. (Principal Investigator)*, **Fields, D. A.** (Co-Investigator), 5% Effort, "Postpartum follow up in infants and mothers following Omega-3 RCT during pregnancy," HHDC Seed Grant, Sponsored by Harold Hamm Diabetes Center, The University of Oklahoma (Institutional)

Total Direct Costs: \$50,000.00

July 2021 - June 2023

Completed

Grants

Peck, J. D. (Principal Investigator), **Fields, D. A.** (Co-Investigator), "Lactational Environmental Exposures: Associations with Early Growth and Adiposity in the First Months of Life," Novel Pilot, Sponsored by Harold Hamm Diabetes Center, The University of Oklahoma (Institutional)

Current Funding (Total Cost per Year): \$75,000.00

Total Direct Costs: \$75,000.00

July 2022 - June 2023

Fields, D. A. (Co-Investigator), 5% Effort, "Intervention targeting elevated triglycerides with a point-of-care meter and omega-3 fatty acids to normalize triglycerides and fetal growth," HHDC Team Science, Sponsored by Harold Hamm Diabetes Center, The University of Oklahoma (Institutional)

Total Direct Costs: \$100,000.00
July 2020 - June 2023

Fields, D. A. (Co-Investigator), 5% Effort, "Are anti-inflammatory dietary bioactive compounds reduced in breastmilk of overweight/obese mothers?," Sponsored by CoBRE, Federal
Total Direct Costs: \$75,000.00
September 19, 2019 - 2021

Fields, D. A. (Co-Principal Investigator), 10% Effort, "Impact of exercise on breastmilk: A novel strategy for obesity/diabetes prevention," HHDC Team Science, Sponsored by Harold Hamm Diabetes Center, The University of Oklahoma (Institutional)
Total Direct Costs: \$100,000.00
2019 - 2020

Fields, D. A. (Principal Investigator), 5% Effort, "Maternal obesity, breast milk composition and infant growth," PHF Bridge Grant, Sponsored by Presbyterian Health Foundation, The University of Oklahoma (Institutional)
Total Direct Costs: \$75,000.00
Additional Information: This was a bridge grant that helped generate preliminary data.
2018 - 2019

Fields, D. A. (Co-Principal Investigator), 25% Effort, "Maternal obesity, breast milk composition and infant growth," Sponsored by National Institutes of Health (NICHD), Federal
Grant/Contract Number: 1R01HD080444-01
Total Direct Costs: \$2,464,417.00
April 1, 2014 - March 31, 2019

Fields, D. A. (Principal Investigator), "Maternal diabetes and breast milk," Sponsored by Oklahoma Treasures for Tomorrow, Oklahoma Health Center Foundation, Foundation
Total Direct Costs: \$50,000.00
October 1, 2016 - September 30, 2017

Fields, D. A. (Principal Investigator), 10% Effort, "Maternal transmission of dietary sugars through breast milk," Sponsored by Harold Hamm Diabetes Center, The University of Oklahoma (Institutional)
Total Direct Costs: \$43,934.00
March 1, 2015 - February 28, 2016

Fields, D. A. (Site PI), 25% Effort, "Effect of the level of dietary protein on infant growth and body composition in first year of life – three and five year growth and body composition follow-up," Sponsored by Nestle, Public
Grant/Contract Number: C8099901
Total Direct Costs: \$301,182.00
July 30, 2011 - June 30, 2015

Fields, D. A. (Co-Investigator), 10% Effort, "Prenatal conditions and the pathway to obesity and diabetes in children," Sponsored by National Institutes of Health (NIDDK), Federal
Grant/Contract Number: 1R01 DK089034-01
Total Direct Costs: \$1,344,070.00
July 1, 2010 - June 30, 2015

Fields, D. A. (Principal Investigator), 5% Effort, "Metabolic Derangements in GDM offspring: Role for breast-milk?," Sponsored by Mead Johnson
Total Direct Costs: \$11,210.00
June 1, 2014 - May 30, 2015

Fields, D. A. (Co-Investigator), 5% Effort, "Longitudinal effect of maternal adiposity on neonatal adiposity," OSCTR - Clinical Translational Research Pilot, Sponsored by OSCTR, The University of Oklahoma (Institutional)
Total Direct Costs: \$44,540.00
2013 - 2014

Fields, D. A. (Principal Investigator), 15% Effort, "Association of single-nucleotide polymorphisms with body composition in children," Sponsored by Linda Johnson Gift for Diabetes Research, Gift to HHDC
Grant/Contract Number: COM3221
Total Direct Costs: \$25,000.00
January 1, 2011 - December 30, 2014

Fields, D. A. (Principal Investigator), 5% Effort, "Long-term follow-up of offspring exclusively breastfed," Sponsored by Mead Johnson, Private
Total Direct Costs: \$20,576.00
August 1, 2012 - July 30, 2014

Fields, D. A. (Co-Investigator), 5% Effort, "Does the fetal metabolic profile at birth differ according to treatment in gestational diabetes and type 2 diabetes during pregnancy?," Sponsored by Medical Alumni Foundation, The University of Oklahoma (Institutional)
Total Direct Costs: \$30,000.00
May 1, 2013 - June 30, 2014

Fields, D. A. (Co-Principal Investigator), 20% Effort, "Genetic determinants of early childhood adiposity," Sponsored by UNM HSC and OUHSC Consortium Inter-Institutional Pilot Project, The University of Oklahoma (Institutional)
Total Direct Costs: \$24,894.00
Additional Information: \$49,862 total direct costs both sites
April 1, 2013 - May 30, 2014

Fields, D. A. (Co-Principal Investigator), 5% Effort, "Metabolic Characterization of Human Milk in Mothers of Varying Body Mass Index," Sponsored by Abbott Nutrition, Private
Total Direct Costs: \$6,522.00
Additional Information: Total Amount \$185,000
February 1, 2013 - January 31, 2014

Fields, D. A. (Site PI), 15% Effort, "Assessment of growth of infants fed a 100% whey extensively hydrolyzed formula," Sponsored by Nestle, Public
Grant/Contract Number: C8255401
Total Direct Costs: \$192,514.00
May 17, 2010 - May 16, 2013

Fields, D. A. (Principal Investigator), 10% Effort, "Impact of Breastfeeding and Obesity on Offspring Body Composition and Growth at Six Months of Age," Sponsored by Mead Johnson, Private
Grant/Contract Number: C8254601
Total Direct Costs: \$38,732.00
June 1, 2010 - May 30, 2012

Fields, D. A. (Principal Investigator), 10% Effort, "Validation of BOD POD in Young Children," Sponsored by Life Measurement Incorporated
Grant/Contract Number: C8246001

Total Direct Costs: \$33,418.00
March 29, 2009 - March 1, 2012

Fields, D. A. (Site PI), 20% Effort, "Effect of the level of dietary protein on infant growth and body composition in first year of life," Sponsored by Nestle, Public
Grant/Contract Number: C8099901
Total Direct Costs: \$424,023.00
June 11, 2008 - June 10, 2011

Fields, D. A. (Co-Investigator), 10% Effort, "Influence on maternal diabetes and pre-eclampsia on childhood growth, obesity, and metabolism," Sponsored by American Diabetes Association, Non-Profit
Total Direct Costs: \$573,259.00
January 1, 2010 - December 31, 2010

Silva, A., **Fields, D. A.** (Consultant), "Body Composition and Physical Performance Changes Over a Season in Elite Athletes," Sponsored by Portuguese Foundation for Science and Technology, Foundation
Total Direct Costs: \$184,788.00
September 1, 2009 - August 31, 2010

Fields, D. A. (Principal Investigator), 20% Effort, "The Impact of Type 1 Diabetes and being Overweight on Cardiovascular Risk Factors and Markers in Children," Sponsored by Novo Nordisk, Private
Grant/Contract Number: C7042301
Total Direct Costs: \$29,215.00
Additional Information: Part of Sowmya Krishnan fellowship project
July 25, 2007 - August 31, 2009

Fields, D. A. (Principal Investigator), 30% Effort, "Basis for Type 2 Diabetes Disparity in American Indian Youth," Sponsored by Oklahoma Center for the Advancement of Science and Technology, State
Grant/Contract Number: C1032101
Total Direct Costs: \$115,300.00
August 1, 2005 - August 1, 2008

Silva, A., **Fields, D. A.** (Consultant), "Rapid weight loss, body composition and physical performance changes in Judo athletes," Sponsored by Portuguese Foundation for Science and Technology, Foundation
Total Direct Costs: \$109,394.00
June 1, 2007 - May 30, 2008

Fields, D. A. (Site PI), 20% Effort, "Developing Normative Body Composition Data in Early Infancy," Sponsored by Life Measurement Incorporated, Private
Grant/Contract Number: C7035801
Total Direct Costs: \$25,183.00
July 1, 2006 - December 30, 2007

Fields, D. A. (Principal Investigator), 25% Effort, "Prenatal Maternal Weight Status and its Impact on Fetal Birth Weight and Composition," Sponsored by College of Medicine Alumni Association, The University of Oklahoma (Institutional)
Total Direct Costs: \$29,851.00
July 1, 2006 - June 30, 2007

Publications - Peer-Reviewed/Refereed

* indicates Mentee

+ indicates Co-First Author

indicates Contributing Author/Corresponding Author

Scientific/Scholarly Journals

1. Krishnan, S., Aston, C. E., **Fields, D. A.**, Teague, A. M., Lyons, T. J., Chernausek, S. D. (2022). Bone Mass Accrual in First Six Months of Life: Impact of Maternal Diabetes, Infant Adiposity, and Cord Blood Adipokines. *Calcified tissue international*, 111(3), 248-255. PMID: 35622095. DOI: 10.1007/s00223-022-00990-0
2. Gregg, B., Ellsworth, L., Pavela, G., Shah, K. B., Berger, P. K., Isganaitis, E., VanOmen, S., Demerath, E. W., **Fields, D. A.** (2022). Bioactive compounds in mothers milk affecting offspring outcomes: A narrative review. *Pediatric obesity*, 17(7), e12892. PMID: 35060344. DOI: 10.1111/ijpo.12892
3. Choi, Y., Nagel, E. M., Kharoud, H., Johnson, K. E., Gallagher, T., Duncan, K., Kharbanda, E. O., **Fields, D. A.**, Gale, C. A., Jacobs, K., Jacobs, Jr, D. R., Demerath, E. W. (2022). Gestational Diabetes Mellitus Is Associated with Differences in Human Milk Hormone and Cytokine Concentrations in a Fully Breastfeeding United States Cohort. *Nutrients*, 14(3). PMID: 35277026. DOI: 10.3390/nu14030667
4. Shah, K. B., **Fields, D. A.**, Pezant, N. P., Kharoud, H. K., Gulati, S., Jacobs, K., Gale, C. A., Kharbanda, E. O., Nagel, E. M., Demerath, E. W., Tryggstad, J. (2022). Gestational Diabetes Mellitus Is Associated with Altered Abundance of Exosomal MicroRNAs in Human Milk. *Clinical therapeutics*, 44(2), 172-185.e1. PMID: 35090750. DOI: 10.1016/j.clinthera.2022.01.005
5. Nagel, E. M., Howland, M. A., Pando, C., Stang, J., Mason, S. M., **Fields, D. A.**, Demerath, E. W. (2022). Maternal Psychological Distress and Lactation and Breastfeeding Outcomes: a Narrative Review. *Clinical therapeutics*, 44(2), 215-227. PMID: 34937662. DOI: 10.1016/j.clinthera.2021.11.007
6. Wolfs, D., Lynes, M. D., Tseng, Y.-H., Pierce, S. L., Bussberg, V., Darkwah, A., Tolstikov, V., Narain, N. R., Rudolph, M. C., Kiebish, M. A., Demerath, E. W., **Fields, D. A.**, Isganaitis, E. (2021). Brown Fat-Activating Lipokine 12,13-diHOME in Human Milk Is Associated With Infant Adiposity. *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*, 106(2), E943-E956. DOI: 10.1210/clinem/dgaa799
7. Shah, K. B.*, Chernausek, S. D., Garman, L. D., Pezant, N. P., Plows, J. F., Kharoud, H. K., Demerath, E. W., **Fields, D. A.** (2021). Human Milk Exosomal MicroRNA: Associations with Maternal Overweight/Obesity and Infant Body Composition at 1 Month of Life. *NUTRIENTS*, 13(4). DOI: 10.3390/nu13041091
8. Nagel, E. M., Kummer, L., Jacobs, David R., Jr., Foster, L., Duncan, K., Johnson, K., Harnack, L., Haapala, J., Kharoud, H., Gallagher, T., Kharbanda, E. O., Pierce, S. L., **Fields, D. A.**, Demerath, E. W. (2021). Human Milk Glucose, Leptin, and Insulin Predict Cessation of Full Breastfeeding and Initiation of Formula Use. *BREASTFEEDING MEDICINE*. DOI: 10.1089/bfm.2021.0131
9. Ribo, S., Sanchez-Infantes, D., Martinez-Guino, L., Garcia-Mantrana, I., Ramon-Krauel, M., Tondo, M., Arning, E., Nofrarias, M., Osorio-Conles, O., Fernandez-Perez, A., Gonzalez-Torres, P., Cebria, J., Gavalda-Navarro, A., Chenoll, E., Isganaitis, E., Villarroya, F., Vallejo, M., Segales, J., Jimenez-Chillaron, J. C., Bottiglieri, T., Demerath, E. W., **Fields, D. A.**, Collado, M. C., Lerin, C. (2021). Increasing breast milk betaine modulates Akkermansia abundance in

mammalian neonates and improves long-term metabolic health. *SCIENCE TRANSLATIONAL MEDICINE*, 13(587). DOI: 10.1126/scitranslmed.abb0322

10. Eckart, E. K., Peck, J. D., Demerath, E. W., Kharbanda, E. O., Nagel, E., **Fields, D. A.*** (in press). Infant sex differences in breast milk intake and composition from 1 to 3 months post-delivery in a healthy United States cohort. *Annals of Human Biology*.
11. Schneider-Worthington, C. R.*, Bahorski, J. S., **Fields, D. A.**, Gower, B. A., Fernandez, J. R., Chandler-Laney, P. C. (2020). Associations Among Maternal Adiposity, Insulin, and Adipokines in Circulation and Human Milk. *JOURNAL OF HUMAN LACTATION*. DOI: 10.1177/0890334420962711
12. Tahir, M. J., Ejima, K., Li, P., Demerath, E. W., Allison, D. B., **Fields, D. A.*** (2020). Associations of breastfeeding or formula feeding with infant anthropometry and body composition at 6 months. *MATERNAL AND CHILD NUTRITION*. DOI: 10.1111/mcn.13105
13. Berger, P. K., Plows, J. F., Jones, R. B., Alderete, T. L., Rios, C., Pickering, T. A., **Fields, D. A.**, Bode, L., Peterson, B. S., Goran, Michael, I (2020). Associations of maternal fructose and sugar-sweetened beverage and juice intake during lactation with infant neurodevelopmental outcomes at 24 months. *AMERICAN JOURNAL OF CLINICAL NUTRITION*, 112(6), 1516-1522. DOI: 10.1093/ajcn/nqaa255
14. Gallagher, D., Andres, A., **Fields, D. A.**, Evans, W. J., Kuczmarski, R., Lowe, William L., Jr., Lumeng, J. C., Oken, E., Shepherd, J. A., Sun, S., Heymsfield, S. B. (2020). Body Composition Measurements from Birth through 5 Years: Challenges, Gaps, and Existing & Emerging Technologies-A National Institutes of Health workshop. *OBESITY REVIEWS*, 21(8). DOI: 10.1111/obr.13033
15. Tahir, M. J., Haapala, J. L., Foster, L. P., Duncan, K. M., Teague, A. M., Kharbanda, E. O., McGovern, P. M., Whitaker, K. M., Rasmussen, K. M., **Fields, D. A.**, Harnack, L. J., Jacobs, David R., Jr., Demerath, E. W. (2019). Association of Full Breastfeeding Duration with Postpartum Weight Retention in a Cohort of Predominantly Breastfeeding Women. *NUTRIENTS*, 11(4). DOI: 10.3390/nu11040938
16. Roy, S. M., **Fields, D. A.**, Mitchell, J. A., Hawkes, C. P., Kelly, A., Wu, G. D., DeRusso, P. A., Elovitz, M. A., Ford, E., Drigo, D., Zemel, B. S., McCormack, S. E. (2019). Body Mass Index Is a Better Indicator of Body Composition than Weight-for-Length at Age 1 Month. *JOURNAL OF PEDIATRICS*, 204, 77-+. DOI: 10.1016/j.jpeds.2018.08.007
17. Tahir, M. J., Haapala, J. L., Foster, L. P., Duncan, K. M., Teague, A. M., Kharbanda, E. O., McGovern, P. M., Whitaker, K. M., Rasmussen, K. M., **Fields, D. A.**, Jacobs, David R., Jr., Harnack, L. J., Demerath, E. W. (2019). Higher Maternal Diet Quality during Pregnancy and Lactation Is Associated with Lower Infant Weight-For-Length, Body Fat Percent, and Fat Mass in Early Postnatal Life. *NUTRIENTS*, 11(3). DOI: 10.3390/nu11030632
18. Isganaitis, E., Venditti, S., Matthews, T. J., Lerin, C., Demerath, E. W., **Fields, D. A.** (2019). Maternal obesity and the human milk metabolome: associations with infant body composition and postnatal weight gain. *AMERICAN JOURNAL OF CLINICAL NUTRITION*, 110(1), 111-120. DOI: 10.1093/ajcn/nqy334
19. Norris, T., Ramel, S. E., Catalano, P., Ni Caoimh, Carol, Roggero, P., Murray, D., **Fields, D. A.**, Demerath, E. W., Johnson, W. (2019). New charts for the assessment of body composition, according to air-displacement plethysmography, at birth and across the first 6 mo of life. *AMERICAN JOURNAL OF CLINICAL NUTRITION*, 109(5), 1353-1360. DOI: 10.1093/ajcn/nqy377

20. Daddres, G. S., Whitaker, K. M., Haapala, J. L., Foster, L., Smith, K. M., Teague, A. M., Jacobs, David R., Jr., Kharbanda, E. O., McGovern, P. M., Schoenfuss, T. C., Le, L. J., Harnack, L., **Fields, D. A.**, Demerath, E. W. (2019). Relationship of Maternal Weight Status Before, During, and After Pregnancy with Breast Milk Hormone Concentrations. *OBESITY*, 27(4), 621-628. DOI: 10.1002/oby.22409
21. Berger, P. K., **Fields, D. A.**⁺, Demerath, E. W., Fujiwara, H., Goran, M. I. (2018). High-Fructose Corn-Syrup-Sweetened Beverage Intake Increases 5-Hour Breast Milk Fructose Concentrations in Lactating Women. *NUTRIENTS*, 10(6). DOI: 10.3390/nu10060669
22. Rother, K. I., Sylvestsky, A. C., Walter, P. J., Garraffo, H. M., **Fields, D. A.** (2018). Pharmacokinetics of Sucralose and Acesulfame-Potassium in Breast Milk Following Ingestion of Diet Soda. *JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION*, 66(3), 466-470. DOI: 10.1097/MPG.0000000000001817
23. Whitaker, K. M., Marino, R. C., Haapala, J. L., Foster, L., Smith, K. M., Teague, A. M., Jacobs, D. R., Fontaine, P. L., McGovern, P. M., Schoenfuss, T. C., Harnack, L., **Fields, D. A.**, Demerath, E. W. (2017). Associations of Maternal Weight Status Before, During, and After Pregnancy with Inflammatory Markers in Breast Milk. *OBESITY*, 25(12), 2092-2099. DOI: 10.1002/oby.22025
24. Oken, E., **Fields, D. A.**, Lovelady, C. A., Redman, L. M. (2017). TOS Scientific Position Statement: Breastfeeding and Obesity. *OBESITY*, 25(11), 1864-1866. DOI: 10.1002/oby.22024
25. Goran, M. I., Martin, A. A., Alderete, T. L., Fujiwara, H., **Fields, D. A.** (2017). Fructose in Breast Milk Is Positively Associated with Infant Body Composition at 6 Months of Age. *Nutrients*, 9(2). PMID: 28212335. DOI: 10.3390/nu9020146
26. **Fields, D.**[#], George, B., Williams, M., Whitaker, K., Allison, D. B., Teague, A., Demerath, E. W. (2017). Associations between human breast milk hormones and adipocytokines and infant growth and body composition in the first 6 months of life. *Pediatric obesity*. PMID: 28160457. DOI: 10.1111/ijpo.12182
27. Matias, C. N., Júdice, P. B., Santos, D. A., Magalhães, J. P., Minderico, C. S., **Fields, D. A.**, Sardinha, L. B., Silva, A. M. (2016). Suitability of Bioelectrical Based Methods to Assess Water Compartments in Recreational and Elite Athletes. *Journal of the American College of Nutrition*, 35(5), 413-21. PMID: 26934568. DOI: 10.1080/07315724.2015.1058198
28. **Fields, D. A.**[#], Schneider, C. R., Pavela, G. (2016). A narrative review of the associations between six bioactive components in breast milk and infant adiposity. *Obesity (Silver Spring, Md.)*, 24(6), 1213-21. PMID: 27151491. DOI: 10.1002/oby.21519
29. **Fields, D. A.**[#], Czerkies, L., Sun, S., Storm, H., Saavedra, J., Sorensen, R. (2016). A Randomized Controlled Trial Assessing Growth of Infants Fed a 100% Whey Extensively Hydrolyzed Formula Compared With a Casein-Based Extensively Hydrolyzed Formula. *Global pediatric health*, 3, 2333794X16636613. PMID: 27336009. DOI: 10.1177/2333794X16636613
30. Matias, C. N., Santos, D. A., Júdice, P. B., Magalhães, J. P., Minderico, C. S., **Fields, D. A.**, Lukaski, H. C., Sardinha, L. B., Silva, A. M. (2016). Estimation of total body water and extracellular water with bioimpedance in athletes: A need for athlete-specific prediction models. *Clinical nutrition (Edinburgh, Scotland)*, 35(2), 468-74. PMID: 25886709. DOI: 10.1016/j.clnu.2015.03.013

31. Alderete, T. L., Autran, C., Brekke, B. E., Knight, R., Bode, L., Goran, M. I., **Fields, D. A.** (2015). Associations between human milk oligosaccharides and infant body composition in the first 6 mo of life. *The American journal of clinical nutrition*, 102(6), 1381-8. PMID: 26511224. DOI: 10.3945/ajcn.115.115451
32. Ziegler, E. E., **Fields, D. A.**, Chernausek, S. D., Steenhout, P., Grathwohl, D., Jeter, J. M., Nelson, S. E., Haschke, F. (2015). Adequacy of Infant Formula With Protein Content of 1.6 g/100 kcal for Infants Between 3 and 12 Months. *Journal of pediatric gastroenterology and nutrition*, 61(5), 596-603. PMID: 26154030. DOI: 10.1097/MPG.0000000000000881
33. **Fields, D. A.**[#], Teague, A. M., Short, K. R., Chernausek, S. D. (2015). Evaluation of DXA vs. MRI for body composition measures in 1-month olds. *Pediatric obesity*, 10(5), e8-10. PMID: 25820269. DOI: 10.1111/ijpo.12021
34. Teague, A. M., **Fields, D. A.**, Aston, C. E., Short, K. R., Lyons, T. J., Chernausek, S. D. (2015). Cord blood adipokines, neonatal anthropometrics and postnatal growth in offspring of Hispanic and Native American women with diabetes mellitus. *Reproductive biology and endocrinology : RB&E*, 13, 68. PMID: 26111704. DOI: 10.1186/s12958-015-0061-9
35. **Fields, D. A.**[#], Gunatilake, R., Kalaitzoglou, E. (2015). Air displacement plethysmography: cradle to grave. *Nutrition in clinical practice : official publication of the American Society for Parenteral and Enteral Nutrition*, 30(2), 219-26. PMID: 25761768. DOI: 10.1177/0884533615572443
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1. Shah, K. B., **Fields, D. A.**, Pezant, N. P., Kharoud, H. K., Gulati, S., Jacobs, K., Gale, C. A., Kharbanda, E. O., Nagel, E. M., Demerath, E. W., Tryggestad, J. (2022). *Corrigendum to: "Gestational Diabetes Mellitus Is Associated with Altered Abundance of Exosomal MicroRNAs in Human Milk" [Clin Therapeut 44(2) (2022) 172-185]*. (7th ed., vol. 44, pp. 1034). Clinical therapeutics. PMID: 35595570. DOI: 10.1016/j.clinthera.2022.04.011
2. Berger, P. K., Plows, J. F., Demerath, E. W., **Fields, D. A.**# (2020). *Carbohydrate composition in breast milk and its effect on infant health* (4th ed., vol. 23, pp. 277-281). CURRENT OPINION IN CLINICAL NUTRITION AND METABOLIC CARE. DOI: 10.1097/MCO.0000000000000658
3. Whitaker, K. M., Marino, R. C., Haapala, J. L., Foster, L., Smith, K. M., Teague, A. M., Jacobs, D. R., Fontaine, P. L., McGovern, P. M., Schoenfuss, T. C., Harnack, L., **Fields, D. A.**, Demerath, E. W. (2018). *Associations of Maternal Weight Status Before, During, and After Pregnancy with Inflammatory Markers in Breast Milk* (vol 25, pg 2092, 2017) (10th ed., vol. 26, pp. 1659-1660). OBESITY. DOI: 10.1002/oby.22278
4. Demerath, E. W., **Fields, D. A.** (2015). *Maternal Obesity, Breast Milk Composition, and Infant Growth* (vol 27, pg 266, 2015) (3rd ed., vol. 27, pp. 443-443). AMERICAN JOURNAL OF HUMAN BIOLOGY. DOI: 10.1002/ajhb.22732

PRESENTATIONS

Invited

* indicates mentee

National/International

1. **Fields, D. A.**, "Baby Fat and Options for Perinatal Feeding: How Do Breastfeeding and Formula Impact Offspring Body", Obesity Week, Obesity Society, San Diego, Symposium "The Impact of Obesity During Pregnancy From Mother to Neonate to Child. November 2, 2022.

2. **Fields, D. A.**, "Maternal obesity or diabetes- effects on milk composition and offspring outcomes", American Diabetes Annual Meeting, American Diabetes, San Francisco, Oral Presentation. June 2019.
3. **Fields, D. A.**, "Air displacement plethysmography (Pea Pod and Bod Pod) and Dual Energy x-ray absorptiometry. Brining in practical perspective, hands-on experience and limitations", NIH body composition measurments from birth through 5 years: Challenges, gaps, and existing and emerging technologies, NIH, Bethesda, Maryland, Oral Presentation. May 2019.
4. **Fields, D. A.**, "Breast Milk: Sui generis or caveat emptor?", Department of Obstetrics/Gynecology, Case Western, Cleveland, OH, Oral Presentation. November 2017.
5. **Fields, D. A.**, "Sex differences in body composition in infants and young children", 10th Annual Organization for the Study of Sex Differences, Philadelphia, PA, Oral Presentation. May 2016.
6. **Fields, D. A.**, "Sex differences in body composition in infants and young children.", 10th Annual Organization for the study of sex differences, Organization for the study of sex differences, Philadelphia, PA, Oral Presentation. May 2016.
7. **Fields, D. A.**, "Overview of available methodologies to measure infant body composition – limits and challenges", 75th Annual Meeting, "Pertinence and pitfalls in assessing body composition in infants and young children – do we have the tools?" Symposium, American Diabetes Association, Boston, MA, Oral Presentation. June 2015.
8. **Fields, D. A.**, "Is breast feeding always best?", Nutrition Center Seminars Series, The Children's Hospital of Philadelphia, Philadelphia, PA, Oral Presentation. November 2014.
9. **Fields, D. A.**, "Insights into infant body composition studies", Pregnancy Nutrition and Later Health Outcomes, 112th Abbott Nutrition Research Conference, Columbus, Ohio, Oral Presentation. 2011.
10. **Fields, D. A.**, "Body composition: Past achievements and present capabilities", Abbott Nutrition, Columbus, OH, Oral Presentation. March 2011.
11. **Fields, D. A.**, "Maternal obesity and breast-feeding: Effect on Offspring?", Abbott Nutrition, Columbus, OH, Oral Presentation. March 2011.
12. **Fields, D. A.**, "Air-displacement plethysmography", Research Workshop: Current advances in the science and application of body composition measurement, American Society for Parenteral and Enteral Nutrition, Vancouver, BC, Oral Presentation. January 2011.
13. **Fields, D. A.**, "Body composition in pediatrics", Research Symposium titled: Body composition across the lifecycle, American Society for Parenteral and Enteral Nutrition, Vancouver, BC, Oral Presentation. January 2011.
14. **Fields, D. A.**, "Maternal factors that impact early growth", NIDDK, Phoenix, AZ, Oral Presentation. February 2010.
15. **Fields, D. A.**, "Body composition and obesity in children", 13th Annual Meeting, European Congress of Sport Sciences, Estoril, Portugal, Oral Presentation. July 2008.
16. **Fields, D. A.**, "Office tools for measuring body composition in obese adults", 13th Annual Meeting, European Congress of Sport Sciences, Estoril, Portugal, Oral Presentation. July 2008.

17. **Fields, D. A.**, "Impact of maternal nutrition and health on infant birth weight and body composition", Life Measurement Inc., San Francisco, CA, Oral Presentation. April 2006.

Local/Regional

1. **Fields, D. A.**, "Lactational programming: Prevention or cause of obesity and diabetes", 19th Harold Hamm Diabetes Annual Research Symposium, Harold Hamm Diabetes Center, OUHSC Campus, Oral Presentation. November 11, 2022.
2. **Fields, D. A.**, "Breast Milk: Sui generis or caveat emptor?", Harold Hamm Diabetes Annual Meeting, Harold Hamm Diabetes Center, OKC, Oral Presentation. November 2018.
3. **Fields, D. A.**, "Is breastfeeding always best?", Physiology Conference, OUHSC Department of Physiology, OKC, Oral Presentation. January 2016.
4. **Fields, D. A.**, "Is breast feeding always best?", Annual diabetes update meeting, Harold Hamm Diabetes Center, OKC, OK, Oral Presentation. October 2014.
5. **Fields, D. A.**, "Is breast feeding always best?", Nutrition Sciences Nutritional Colloquium, University of Oklahoma Health Sciences Center, OKC, OK, Oral Presentation. April 2014.
6. **Fields, D. A.**, "Effects of maternal body composition on infant growth", Annual Meeting, PESTOLA, OKC, OK, Oral Presentation. January 2014.
7. **Fields, D. A.**, "Navigating the crazy world of eating out", Seniors of Trinity Lutheran Church, Norman, OK, Oral Presentation. March 2013.
8. **Fields, D. A.**, "Fetal origins of adult disease: preconception and pregnancy nutrition", Spectrum of Health Care – from Mother to Baby, 4th Annual Texas Perinatal Conference, El Paso, TX, Lecture. April 2012.
9. **Fields, D. A.**, "Breast-milk: Mother to child transmission?", Metro Health, Center for Reproductive Health, Cleveland, OH, Lecture. January 2012.
10. **Fields, D. A.**, Abbott Nutrition, Columbus, OH, Oral Presentation. March 2011.
11. **Fields, D. A.**, "It's not the fat that makes you fat", OU Retirees Association, University of Oklahoma, Norman, OK, Oral Presentation. September 2010.
12. **Fields, D. A.**, "It's not the fat that makes you fat", Merrick Computing Center, Norman, OK, Oral Presentation. May 2010.
13. **Fields, D. A.**, "How CMN has helped fund research at CMRI Metabolic and Research Program", Ada Kiwanis, Ada, OK, Oral Presentation. April 2009.
14. **Fields, D. A.**, "How CMN has helped fund research at CMRI Metabolic and Research Program", District 7 Meeting, Kiwanis, Norman, OK, Oral Presentation. February 2009.
15. **Fields, D. A.**, "It's not the fat that makes you fat", Monthly meeting, CMN / Kiwanis, OKC, OK, Oral Presentation. January 2009.
16. **Fields, D. A.**, "It's not the fat that makes you fat", Sooner Lions Club, Norman, OK, Oral Presentation. December 2008.

17. **Fields, D. A.**, "Navigating the crazy world of eating out", Gifted and talented class, Blanchard High School, Blanchard, OK, Oral Presentation. October 2008.
18. **Fields, D. A.**, "Risk factors for adolescent obesity", Advances in Adolescent Medicine Conference, University of Oklahoma Health Sciences Center, OKC, OK, Oral Presentation. April 2008.
19. **Fields, D. A.**, "It's not the fat that makes you fat", Edmond Rotary Club, OKC, OK, Oral Presentation. November 2006.
20. **Fields, D. A.**, "Air-displacement plethysmography: here to stay?", Arkansas Children's Nutrition Center, Little Rock, AR, Oral Presentation. October 2006.
21. **Fields, D. A.**, "It's not the fat that makes you fat", Retired Engineers of OKC, OKC, OK, Oral Presentation. October 2006.
22. **Fields, D. A.**, "New technology to define the child at risk for diabetes", Annual Meeting, PESTOLA, OKC, OK, Oral Presentation. September 2006.
23. **Fields, D. A.**, "A summary of CMRI new Metabolic Center", Boomer Sooner Chapter, Children's Miracle Network, OKC, OK, Oral Presentation. July 2006.
24. **Fields, D. A.**, "Navigating crazy world of eating out", Nichols Hills Kiwanis, OKC, OK, Oral Presentation. April 2006.
25. **Fields, D. A.**, "Proper nutrition for saving the heart", University Christian Church, Norman, OK, Oral Presentation. February 2006.
26. **Fields, D. A.**, "Its not the fat that makes you fat", Yukon Public Library, Yukon, OK, Oral Presentation. November 2005.
27. **Fields, D. A.**, "Who can afford not to walk?", Norman Regional Hospital, Norman, OK, Oral Presentation. November 2005.

Accepted

* indicates mentee

National/International

1. Nagel, E., Demerath, E., **Fields, D. A.**, "Maternal metabolic health is associated with alterations in the human milk metabolome", PAS 2024, Pediatric Academic Societies, Toronto, Canada, Poster. May 5, 2024.
2. Demerath, E., Nagel, E., Johnson, K., **Fields, D. A.**, "Human milk macronutrient composition in an exclusively breastfeeding cohort: Relationships with maternal and infant health", PAS 2024, Pediatric Academic Societies, Toronto, Canada, Oral Presentation. May 4, 2024.
3. Pena, A., Dreyfuss, J., Nagel, E., **Fields, D. A.**, "Characterizing the Heterogeneity in Maternal Postpartum Weight Changes using Human Milk Metabolomics", PAS 2024, Pediatric Academic Societies, Toronto, Canada, Poster. May 3, 2024.
4. Nagel, E., **Fields, D. A.**, "Maternal Added Sugar Intake is Positively Associated with Infant Adiposity and Weight Status at 6 Months", Annual Obesity Conference, Obesity Society, Dallas, TX, Poster. 2021.

5. Nagel, E., **Fields, D. A.**, "Maternal Gestational Weight Gain and Infant Nutritional Status at Birth and 6 Months", Obesity Society Annual Meeting, Obesity Society, Dallas, TX, Poster. 2021.
6. Kharoud, H., **Fields, D. A.**, "Associations between maternal diet quality and inflammatory markers (IL6-CRP) concentrations in human milk in healthy Unites States Cohort.", International Society for Research on Human Milk and Lactation, ISHML, Virtual, Lecture. August 2021.
7. Pierce, S., **Fields, D. A.**, "Specific changes in 3rd trimester maternal fatty acids correlate with maternal %body fat, cytokines, and neonatal adiposity", Annual Meeting Society for Reproductive Investigation, Society for Reproductive Investigation, British Colombia, Canada, Oral Presentation. March 2020.
8. **Fields, D. A.**, "Breast Milk: Beyond basic macro-nutrition", Perinatal Physiology, Case Western University, Cleveland, OH, Oral Presentation. November 2017.
9. Isganaitis, E., Tucker, M., **Fields, D. A.**, "Maternal weight status during pregnancy influences breast milk oligosaccharide and amino acid content", 75th Annual Meeting, American Diabetes Association, Boston, MA, Poster. June 2015.
10. Demerath, E., **Fields, D. A.**, "Maternal obesity, breast milk composition and infant growth", Annual Meeting, Human Biology Association, St. Louis, MO, Oral Presentation. March 2015.
11. Gunatilake, R., Myers, D. A., Jackson, D. W., Deschamps, D., **Fields, D. A.**, Williams, M., "Epicardial Fat Thickness in Pregnancies Complicated by Diabetes Mellitus", Annual Meeting, Society for Gynecologic Investigation, Florence, Italy, Poster. March 2014.
12. Shypailo, R., **Fields, D. A.**, "Infant body composition analysis by dual-energy X-ray absorptiometry: Comparison of two fan-beam instruments using a solid anthropomorphic infant phantom", Annual Meeting, The Obesity Society, Atlanta, GA, Poster. November 2013.
13. Casazza, K., Hanks, L., **Fields, D. A.**, "Non-nutritive components of breast milk may affect bone development in infants", Annual Meeting, The Obesity Society, Atlanta, GA, Poster. November 2013.
14. Short, K. R., **Fields, D. A.**, Teague, A., Chernausek, S. D., "Diabetes during pregnancy results in infants with lower metabolic rate and lower fat oxidation rate at 1 month", Annual Meeting, Pediatric Academic Societies, Washington DC, Oral Presentation. May 2013.
15. Chandler-Laney, P., **Fields, D. A.**, "Associations of sleep duration with weight gain and body composition at 3-years old", Annual Meeting, Pediatric Academic Societies, Washington DC, Poster. May 2013.
16. Chandler-Laney, P., **Fields, D. A.**, "Associations of sleep duration with weight gain and body composition at 3-years old", Annual Meeting, Pediatric Academic Societies, Washington DC, Poster. May 2013.
17. **Fields, D. A.**, Chernausek, S. D., Haschke, F., Steenhout, P., Gratwohl, D., Ziegler, E., "Low-Protein Formula: Effect on Infant Growth From 3 to 6 Months", Annual Meeting, Pediatric Academic Societies, Washington DC, Poster. May 2013.
18. **Fields, D. A.**, Chernausek, S. D., Haschke, F., Steenhout, P., Gratwohl, D., Ziegler, E., "Low-Protein Formula: Effect on Infant Growth From 3 to 6 Months", Annual Meeting, Pediatric Academic Societies, Washington DC, Poster. May 2013.

19. Atchley, C. B., Williams, P. K., **Fields, D. A.**, Anderson, M., Bower, A., "The effects of protein intake on body fat in preterm inpatient infants", Annual Meeting, Pediatric Academic Societies, Washington DC, Poster. May 2013.
20. Demerath, D., **Fields, D. A.**, "Sex differences in human milk adipocytokine concentrations", Annual Meeting, Human Biology Association, Knoxville, TN, Oral Presentation. April 2013.
21. **Fields, D. A.**, Demerath, E., "Relationship of insulin, glucose and TNF- α in human breast-milk with infant growth and body composition", Annual Meeting, Pediatric Academic Societies, Boston, MA, Poster. May 1, 2012.
22. Krishnan, S., Chernausek, S. D., **Fields, D. A.**, "Insulin sensitivity and the rate of gain in bone mineral in obese pre-pubertal children", Annual Meeting, Pediatric Academic Societies, Denver, CO, Poster. May 2011.
23. Krishnan, S.* , **Fields, D. A.**, Anderson, M., Chernausek, S. D., "Insulin sensitivity and the rate of gain in bone mineral in obese pre-pubertal children", Annual Meeting, Pediatric Academic Societies, Denver, CO, Poster. May 2011.
24. **Fields, D. A.**, Criswell, B., Wolfe-Christensen, C. B., Chernausek, S. D., "Evaluation of air-displacement Plethysmography whole body composition in children 2 to 5 years old using the 4-compartment model as a criterion method", Annual Meeting, Pediatric Academic Societies and Asian Society for Pediatric Research, Denver, CO, Oral Presentation. April 30, 2011.
25. **Fields, D. A.**, Chernausek, S. D., "Evaluation of air-displacement Plethysmography whole body composition in children 2 to 5 years old using the 4-compartment model as a criterion method", Annual Meeting, Pediatric Academic Societies and Asian Society for Pediatric Research, Denver, CO, Oral Presentation. April 30, 2011.
26. Porter, B., Richardson, A. G., **Fields, D. A.**, "Maternal body composition characteristics during gestation as predictors of infant body composition", Annual Meeting, American College of Obstetricians and Gynecologists, San Francisco, CA, Poster. May 2010.
27. **Fields, D. A.**, Pietrobelli, D., Gray, M., Lo, J., "Body composition in infants: Relationship with institute of medicine (IOM) gestational weight gain recommendations", Annual Meeting, The Obesity Society, Washington DC, Oral Presentation. October 2009.
28. **Fields, D. A.**, Wisniewski, A. B., Bright, B., Pietrobelli, A., "Is there a gender difference in fat-free mass at 6 months of age?", Annual Meeting, The Obesity Society, Washington DC, Poster. October 2009.
29. Krishnan, S., Copeland, K. C., Chernausek, S. D., **Fields, D. A.**, "Impact of type 1 diabetes and being overweight on body composition and lipid profile in adolescent children", Annual Meeting, Pediatric Academic Societies, Baltimore, MD, Poster. May 2009.
30. **Fields, D. A.**, Porter, B., Hull, H., Copeland, K. C., Chernausek, S. D., "Maternal body composition and its relation to their offspring's body composition", Annual Meeting, The Obesity Society, Phoenix, AZ, Poster. October 2008.
31. Barnes, S., Gower, B., Oster, R., Sites, C., Darnell, B., **Fields, D. A.**, "Maternal inflammation is related to maternal obesity and insulin, but not to infant body composition", Annual Meeting, The Obesity Society, Phoenix, AZ, Poster. October 2008.

32. Wagener, T.*, Mignogna, M., **Fields, D. A.**, Gillaspy, S. R., "Obese Native American youth: self and parental psychological adjustment", Annual Meeting, The Obesity Society, Phoenix, AZ, Poster. October 2008.
33. **Fields, D. A.**, Hull, H., Dinger, M., Knehans, A., Thompson, D., Pratt, L., "Affect of Gestational Age on Birth Weight and Composition", Annual Meeting, The Obesity Society, New Orleans, LA, Poster. 2007.
34. Hull, H., Dinger, M., Knehans, A., Thompson, D., **Fields, D. A.**, "Impact of Maternal Body Mass Index on Neonate Birth Weight and Body Composition", Annual Meeting, The Obesity Society, New Orleans, LA, Poster. 2007.
35. Minderico, C. S., Silva, A. M., **Fields, D. A.**, Branco, T. L., Martins, S. C., Palmeira, A. L., Barata, J. T., Carnero, E., Rocha, P. M., Teixeira, P. J., Sardinha, L. B., "Changes in thoracic gas volume with air displacement plethysmography after a weight loss program in overweight and obese women", Annual Meeting, The Obesity Society, San Francisco, CA, Poster. 2006.
36. Hull, H.*, Brewer, A., Dinger, M., **Fields, D. A.**, "Effect of Thanksgiving Holiday on Body Weight in College Students", Annual Meeting, The Obesity Society, San Francisco, CA, Poster. 2006.
37. Hull, H.*, Brewer, A., Dinger, M., **Fields, D. A.**, "The Effect of the Holiday Season on Body Weight and Composition in College Students", Annual Meeting, The Obesity Society, San Francisco, CA, Poster. 2006.
38. Minderico, C., Silva, A., **Fields, D. A.**, Branco, T., Martins, S., Palmeira, A., Themudo-Barata, J., Carnero, E., Rocha, P., Teixeira, P., Sardinha, L., "Changes in thoracic gas volume with air-displacement plethysmography after a weight loss program in overweight and obese women", Annual Meeting, North American Association for the Study of Obesity, Boston, MA, Poster. October 2006.
39. Radley, D., **Fields, D. A.**, Gately, P., "Validity of new child-specific thoracic gas volume equations in children of varying degrees of fatness", 10th International Congress on Obesity, Sydney, Australia, Poster. September 2006.
40. Rice, K., Heesch, K., Dinger, M., **Fields, D. A.**, "Effect of two brief interventions on women's understanding of moderate-intensity physical activity", Annual Meeting, American College of Sports Medicine, Denver, CO, Poster. May 2006.
41. **Fields, D. A.**, Brown, R., Chalmers, L. J., Copeland, K. C., "Insulin resistance and body composition in American-Indian and Caucasian children", Annual Meeting, Pediatric Academic Societies, San Francisco, CA, Poster. April 2006.
42. Chalmers, L. J.*, Brown, R. D., Pratt, L., Copeland, K. C., **Fields, D. A.**, "The impact of birth weight on insulin sensitivity and β -cell function in obese adolescents", Annual Meeting, Pediatric Academic Societies, San Francisco, CA, Poster. April 2006.
43. Gosmanov, N. R., Pham, T., Hull, H., **Fields, D. A.**, "Comparison of body fat content measured by dual x-ray absorptiometry and portable bio-impedance assay in young healthy subjects", Southern Society of Clinical Investigation, Atlanta, GA, Poster. March 2006.
44. **Fields, D. A.**, Morrow, M., Randall, N., Knehans, A., Dinger, M., "Freshman fifteen: fact or fiction?", North American Association for the Study of Obesity, Vancouver, Canada, Poster. October 2005.

45. **Fields, D. A.**, Hull, H., Cheline, A. J., Yao, M., Higgins, P., "Development of child-specific thoracic gas volume prediction equations for use in air-displacement plethysmography", North American Association for the Study of Obesity, Las Vegas, NV, Poster. 2004.
46. Hull, H., Claros, G., **Fields, D. A.**, "Evaluation of air displacement plethysmography and hydrostatic weighing for estimating total body density in children and adolescents", North American Association for the Study of Obesity, Las Vegas, NV, Poster. 2004.
47. Hull, H., Peterson, L., Bemben, D., Bemben, M., **Fields, D. A.**, "Influence of cotton and spandex shorts on air displacement plethysmography estimates of percent fat", American College of Sports Medicine, Indianapolis, IN, Poster. 2004.
48. Hull, H., **Fields, D. A.**, "Validation of air displacement plethysmography with dual energy X-ray absorptiometry: effect of clothing", North American Association for the Study of Obesity, Las Vegas, NV, Poster. 2004.
49. **Fields, D. A.**, Higgins, P., Hull, H., Berry, W., "Validity of the MedGem hand-held calorimeter for resting metabolic rate in children", North American Association for the Study of Obesity, Las Vegas, NV, Poster. 2004.
50. **Fields, D. A.**, Higgins, P., Gower, B., Goran, M., "Effects of using predicted thoracic gas volumes on percent body fat estimates by air displacement plethysmography in children", North American Association for the Study of Obesity, Ft. Lauderdale, FL, Poster. 2003.
51. Mittendorfer, B., **Fields, D. A.**, Klein, S., "Excess body-fat in men decreases the lipolytic response to endurance exercise and limits plasma fatty acid oxidation", North American Association for the Study of Obesity, Ft. Lauderdale, FL, Poster. 2003.
52. **Fields, D. A.**, Higgins, P., Gower, B., Hunter, G., "Effect of scalp and facial hair on percent body fat estimates by the BOD POD", American College of Sports Medicine, Baltimore, MD, Oral Presentation. 2001.
53. **Fields, D. A.**, Goran, M., Hunter, G., Herd, S., Weinsier, R., "Total body fat does not influence maximal aerobic capacity", North American Association for the Study of Obesity, Long Beach, CA, Oral Presentation. 2000.

Local/Regional

1. Kyere-Davies, G., Rudolph, M. C., **Fields, D. A.**, "Maternal exercise during lactation increases medium chain fatty acids (MCFA) synthesis to enhance offspring adipose metabolism.", 20th Annual Harold Hamm Diabetes Center Research Symposium, HHDC, OUHSC, Oral Presentation. November 10, 2023.
2. Schone, E.*, Peck, J., **Fields, D. A.***, "Postnatal PFAS exposure via breast milk and associations with infant growth and body composition in first 6 months", 20 th Annual Harold Hamm Diabetes Center Research Symposium, HHDC, OUHSC, Oral Presentation. November 10, 2023.
3. Kerr, W., Peck, J.*, **Fields, D. A.***, "Differences in per-and polyfluoroalkyl substances (PFAS) breastmilk concentrations between siblings in early lactation", 19th Harold Hamm Diabetes Annual Research Symposium, Harold Hamm Diabetes Center, OUHSC, Oral Presentation. November 11, 2022.

4. Shah, K.* , **Fields, D. A.**, "Breast milk exosomal microRNA composition is altered by maternal obesity and impacts infant weight gain and composition", Pediatric Endocrine Society Annual Meeting, Pediatric Endocrine Society, Fort Worth, Oral Presentation. April 2020.
5. **Fields, D. A.**, "Maternal transmission of dietary sugars through breast milk", Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences Center, Oral Presentation. October 2015.
6. Krishnan, S., Bright, M., Murray, K., Copeland, K. C., **Fields, D. A.**, "Impact of overweight status on bone mineral content in adolescents with type 1 diabetes", Diabetes Summit, University of Oklahoma Health Sciences Center, OKC, OK, Poster. November 2010.
7. **Fields, D. A.**, "What is your baby made of?", 3rd Annual Baby Expo, OKC, OK, Oral Presentation. April 2009.
8. **Fields, D. A.**, "Taxing the fat", Renaissance Project, University of Oklahoma, Norman, OK, Oral Presentation. November 2006.
9. **Fields, D. A.**, Brown, R., Chalmers, L. J., Copeland, K. C., "Insulin resistance and body composition in American-Indian and Caucasian children", 3rd Annual Diabetes Research Retreat, University of Oklahoma Health Science Center, Norman, OK, Oral Presentation. October 2006.
10. Hull, H., Brewer, A., Dinger, M., **Fields, D. A.**, "Effect of the holiday season on body weight and composition in college aged students", 31st Annual Great Symposium, University of Oklahoma Health Sciences Center, OKC, OK, Oral Presentation. March 2006.
11. Brewer, A., Hull, H., Dinger, M., **Fields, D. A.**, "Effect of the holiday season on body weight and composition in college aged students", 31st Annual Great Symposium, University of Oklahoma Health Sciences Center, OKC, OK, Poster. March 2006.
12. Hull, H., Chalmers, L. J., Brown, R. D., Pratt, L., Copeland, K. C., **Fields, D. A.**, "The impact of birth weight on obese adolescent's body composition and distribution", Central States Chapter, American College of Sports Medicine, Kansas City, KS, Poster. October 2005.
13. Behrens, T., Dinger, M., Vesely, S., **Fields, D. A.**, "Validity of participant recorded pedometer step logs in free-living adults", Walking for Health: Measurement and Research Issues and Challenges Conference, Urbana-Champaign, IL, Poster. October 2005.
14. **Fields, D. A.**, Brown, R. D., Chalmers, L. J., Copeland, K. C., "Insulin resistance and body composition in American-Indian and Caucasian children", Oklahoma City Urban Indian Health Board, Oral Presentation. September 2005.
15. **Fields, D. A.**, Brown, R. D., Chalmers, L. J., Copeland, K. C., "Insulin resistance and body composition in American-Indian and Caucasian children", 2nd Annual Diabetes Research Retreat, University of Oklahoma Health Science Center, Norman, OK, Oral Presentation. September 2005.
16. Hull, H., Peterson, L., **Fields, D. A.**, "Effect of visceral fat on resting energy expenditure in lean and obese females", American College of Sports Medicine, Nashville, TN, Poster. May 2005.

TEACHING AND INSTRUCTION

Teaching and Course Instruction – OUHSC/SCM

Year(s) of Instruction	Course ID	Course/Lecture Title	Role	Avg. Contact Hrs/Year	Primary Learner Audience
Summer 2013	BSE 5990	Special Topics: Obesity Epidemiology	Guest Lecturer		Public Health

Teaching and Course Instruction – Institutions Outside of OUHSC/SCM

Year(s) of Instruction	Institution / Location	Course/Lecture Title	Role	Avg. Contact Hrs/Year	Primary Learner Audience
Fall 2010	University of Oklahoma	Facts and Fallacies: Don't believe everything you hear	Guest Lecturer		Undergraduate
Fall 2010	University of Oklahoma	Principles and Concepts of Physical Fitness: Babies and mommas	Guest Lecturer		Undergraduate

Professional and Continuing Education Instruction

Date	Course Name or Session Topic	Role	Number of Instruction Hours	Primary Learner Audience	Sponsoring Department or Organization
January 2016	Guest Lecture: breastfeeding always best?	Presenter			Department of Physiology, University of Oklahoma Health Sciences Center
December 2014	Grand Rounds: Is breast feeding always best?	Presenter		Pediatric fellows, staff, & faculty	Department of Pediatrics, University of Oklahoma Health Sciences Center, OKC, OK
January 2012	Guest Lecture: Breast-milk: Mother to child transmission?	Presenter			College of Pharmacy, University of Oklahoma Health Sciences Center, OKC, OK
March 2011	Grand Rounds: Pediatric body composition	Presenter		Pediatric fellows, staff, & faculty	Department of Pediatrics, University of Oklahoma Health Sciences Center, OKC, OK
May 2007	Grand Rounds: Neonatal fat mass is associated with maternal obesity	Presenter		Pediatric fellows, staff, & faculty	Department of Pediatrics, University of Oklahoma Health Sciences Center, OKC, OK
November 2006	Seminar: Insulin resistance and body composition in American-Indian and Caucasian children	Presenter			General Clinical Research Center, University of Oklahoma Health Sciences Center, OKC, OK
December 2005	Seminar: Insulin Resistance and Body Composition in American-Indian and Caucasian Children	Presenter			Department of Pediatrics, University of Oklahoma Health Sciences Center, OKC, OK

Graduate or Research Oversight Committee Membership

Date	Mentee Name	Mentee Level/Program	Role/Involvement Type	Mentorship Outcomes
2021 - Present	Nicole Crossley	MD/PhD Student, School of Nursing, University of Oklahoma Health Sciences Center	Doctoral Advisory Committee Member	
2021 - 2023	Marissa Hoerman	Master's Student, College of Allied Health, Nutrition Sciences	Master's Advisory Committee Chair	Successful defense of thesis "An investigation of methods to estimate resting energy expenditure in infants and young children"
2021 - 2023	Marissa Hoermann	Master's Student, Allied Health, Nutrition Sciences	Mentor - Masters Thesis primary mentor.	
2014 - 2015	Daniel Jackson	Fellow, OB Fellowship, MS Program, University of Oklahoma Health Sciences Center	Member	Manuscript in progress, Faculty KU School of Medicine
2013 - 2014	Camilla Fraga-Lovejoy	Fellow, Pediatric Fellowship, University Of Oklahoma Health Sciences Center	Member - Planning, Growth	
2011 - 2013	Misty Miller	Resident, Department of Pharmacy, Pediatric Pharmacy Residency	Doctoral Advisory Committee Member	1 Manuscript, Clinical Assistant Professor OUHSC Department of Pharmacy
2011 - 2013	Courtney Atchley	Fellow, Pediatric Fellowship, University Of Oklahoma Health Sciences Center	Member - Neonatal growth	Manuscript submission, OUHSC Assistant Professor Department of Neonatology
2011	Anna Gradmark	Doctoral Student, Lund University (Malmo, Sweden), PhD Program	External Examiner - Dissertation, Clinical Sciences	2 Manuscripts, Faculty
2006 - 2009	Sowmya Krishnan	Fellow, College of Medicine, University of Oklahoma Health Sciences Center, Pediatric Fellowship	Doctoral Advisory Committee Chair - Research project supervisor mentor, Diabetes	2 published manuscripts, Res Ass Prof OUHSC Dept Pediatrics
2008	Jennifer Han	Doctoral Student, University of Oklahoma, PhD Program	Doctoral Advisory Committee Member - Dissertation, Physical activity	1 Manuscript, Oklahoma State Department
2006 - 2007	Holly Hull	Doctoral Student, University of Oklahoma, PhD Program	Doctoral Advisory Committee Chair - Research dissertation supervisor, Pediatric obesity	1 Manuscript, Assistant Professor OUHSC Department of Nutrition
2005 - 2006	Jae Hur	Master's Student, University of Oklahoma, MS Program	Thesis committee chair and research thesis supervisor - Completed MS, Metabolism	Graduate School, Columbia University
2005 - 2006	Michelle Morrow	University of Oklahoma, MS Program	Thesis committee chair and research thesis supervisor - Thesis, Body composition	5 Manuscripts, Fellow Duke University
2004 - 2005	Tim Behrens	Doctoral Student, University of Oklahoma, PhD Program	Doctoral Advisory Committee Member - Dissertation, Physical activity	1 Manuscript, Assistant Profesor Sam Houston
2004	Clint Howard	Master's Student, University of Oklahoma, MS Program	Master's Advisory Committee Member - Thesis, Bone metabolism	Private Trainer
2004	Kelly Rice	Master's Student, University of Oklahoma, MS Program	Master's Advisory Committee Member - Thesis, Health behavior	1 Manuscript, Montana Department of Health
2004	Shaun Steen	Master's Student, University of Oklahoma, MS Program	Master's Advisory Committee Member - Thesis, Metabolism	Trainer

Date	Mentee Name	Mentee Level/Program	Role/Involvement Type	Mentorship Outcomes
2003 - 2004	Scott Hawkins	Master's Student, University of Oklahoma, MS Program	Master's Advisory Committee Member - Thesis, Physical activity	Law School Georgetown
2003 - 2004	Geovani Claros	Master's Student, University of Oklahoma, MS Program	Thesis committee chair and research thesis supervisor - Thesis, Pediatric Obesity	1 Manuscript, Head soccer coach Norman North
2003 - 2004	Holly Hull	Master's Student, University of Oklahoma, MS Program	Thesis committee chair and research thesis supervisor - Thesis, Pediatric obesity	1 Manuscript, PhD OUHSC
2003 - 2004	Lauren Peterson	Master's Student, University of Oklahoma, MS Program	Thesis committee chair and research thesis supervisor - Thesis, Metabolism	Staff OUHSC, Department of Pediatrics

Mentoring and Advising

Date	Mentee Name	Mentee Level/Program	Role/Involvement Type	Mentorship Outcomes
2022 - Present	Cassie Mitchell, PhD	Junior Faculty, Pediatrics - Medicine, Endocrinology/Diabetes	Advisor - Mentored Dr. Mitchell in receiving an LRP (Loan Repayment Program) award through the Pediatric Research LRP.	Dr. Mitchell was selected to receive an LRP award through the Pediatric Research LRP from the NATIONAL INSTITUTE OF DIABETES AND DIGESTIVE AND KIDNEY DISEASES (NIDDK). Her LRP award was for a period of two years
2020 - Present	Erynn Bergner, MD	Dr. Bergner is an Assistant Professor in Neonatology, School of Medicine - Neonatology, University of Oklahoma Health Sciences Center	Mentor - I am involved in helping mentor Dr. Bergner	
2017 - Present	Kruti Shah, MD	Dr. Shah is an Assistant Professor, I am her mentor, Pediatric - Endocrinology/Diabetes, University of Oklahoma Health Sciences Center	Mentor - Dr. Shah is a physician scientist at the assistant professor level. I serve as her research mentor.	Three published papers to date.
2020 - 2021	Erin Eckart	Master's Student, Public Health - Bio-stats/Epidemiology, University of Oklahoma Health Sciences Center	MPH Laboratory Preceptor	
2018 - 2019	Kendall Arslanian	Postgraduate Fellow, Anthropology - Biological Sciences, Yale	Consultant - Provided insight to a Post-Doc research project.	Three published papers.
2017	Sherine Whyte, Ph.D.	Postgraduate Fellow, IAEA Fellow, IAEA	Facilitator	
2016	Chelsea Smith	Master's Student, Allied Health - Nutrition Sciences, University of Oklahoma Health Sciences Center	Laboratory Preceptor	
2016	Kait Burke	Master's Student, College Public Health - Bio-stats / Epidemiology, University of Oklahoma Health Sciences	MPH Lab Preceptor	Publication

Date	Mentee Name	Mentee Level/Program	Role/Involvement Type	Mentorship Outcomes
2015 - 2016	Adelaide South	Graduate Student, Allied Health, University Of Oklahoma Health Sciences Center	Laboratory Facilitator - Research, Growth	Student Research and Creativity Award
2015	Camille Schneider	Doctoral Student, PhD Program, UAB	Laboratory Facilitator - Research, Early nutrition	Awarded Ireland Research Travel Scholarship, Student
2008	Christopher Rose	CMRI Brann Scholar	Mentor - Research project supervision, Pediatric obesity	Manuscript in progress, Medical School OUHSC
2008	David Sparling	Medical Student, College of Medicine, 3rd Year Medical Research Rotation	Mentor - Research project supervision, Pediatric obesity	Manuscript in progress, Resident at Columbia University
2007	Aaron Neale	CTSA Scholar	Mentor - Research project supervision, Pediatric obesity	Completed, Dental School
2007	Blake Porter	CMRI Brann Scholar	Mentor - Research project supervision, Neonatal obesity	Manuscript Submission, Medical School OUHSC
2005 - 2006	Austine Brewer	Undergraduate Student, Honors College, University of Oklahoma	Mentor - Research, Body composition	Clinical Sciences Poster (1st prize), Graduate School
2003 - 2004	William Berry	Intern, Internship, University of Oklahoma	Director - Research project supervision, Body composition	Completed Internship

ORGANIZATIONAL SERVICE

Organizational Administration and Leadership

Campus/University

Director, Metabolic Research Conference - HHDC, University of Oklahoma Health Sciences Center, 2015 - Present

College

Advisor, HHDC Internal Advisory Board, February 2022 - Present

Organizational Committee Service

Campus/University

Moderator, 20th Annual Harold Hamm Diabetes Center Research Symposium, November 10, 2023

Grant Reviewer, HHDC Grant Program, HHDC, May 12, 2023

Grant Reviewer, PHF Team Science Grants, University, April 21, 2023

Judge, 18th Annual Research Symposium: Answering the call for progress against diabetes., HHDC, November 12, 2021

Session Moderator, 17th Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences Center, 2020

Oral Judge, 16th Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences, 2019

Member, Harold Hamm Diabetes Research Symposium Planning Committee, 2019

Poster Judge, 15th Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences, 2018

Poster Judge, 14th Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences, 2017

Member, Harold Hamm Diabetes Research Symposium Planning Committee, 2017

Abstract Reviewer, Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences Center, 2016

Member, Harold Hamm Diabetes Research Symposium Planning Committee, University of Oklahoma Health Sciences Center, 2016

Judge (oral presentations), 13th Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences Center, October 28, 2016

Judge (poster), 4th Annual Student Research Symposium, College of Medicine, University of Oklahoma Health Sciences Center, January 27, 2016

Judge (poster presentations), 12th Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences Center, October 16, 2015

Grant Reviewer, Grant Program, Presbyterian Foundation, April 13, 2015

Judge (oral presentations), 40th Annual GREAT Symposium, University of Oklahoma Health Sciences Center, March 30, 2015 - April 2, 2015

Judge (poster), 3rd Annual Student Research Symposium, College of Medicine, University of Oklahoma Health Sciences Center, January 22, 2015

Judge (poster clinical presentations), 39th Annual GREAT Symposium, University of Oklahoma Health Sciences Center, April 2, 2014 - April 4, 2014

Judge (oral presentations), 10th Annual Harold Hamm Diabetes Center Research Symposium, University of Oklahoma Health Sciences Center, October 25, 2013

Judge (alternate; poster presentations), 38th Annual GREAT Symposium, University of Oklahoma Health Sciences Center, April 2, 2013 - April 4, 2013

Judge (Postdoctoral Poster presentations), 36th Annual GREAT Symposium, University of Oklahoma Health Sciences Center, March 28, 2011 - March 31, 2011

Moderator, Diabetes Research Summit, University of Oklahoma Health Sciences Center, October 2010

Grant Reviewer, Grant Program, Presbyterian Foundation, 2008

College

Grant Reviewer, COM Research Advisory Grant Review F-Team, University of Oklahoma Health Sciences Center, 2020 - Present

Department

Member, Biometrics working group, 2013 - Present

Grant Reviewer, Children's Health Foundation (CHF) Fellow Research Award Committee, OUHSC/Pediatrics, June 27, 2023

Judge (poster), 10th Annual Pediatric Research Day, Department of Pediatrics, University of Oklahoma Health Sciences Center, May 13, 2016

Judge (poster), 9th Annual Pediatric Research Day, Department of Pediatrics, University of Oklahoma Health Sciences Center, May 8, 2015

Judge (poster), 8th Annual Pediatric Research Day, Department of Pediatrics, University of Oklahoma Health Sciences Center, May 16, 2014

Organizer, Bi-monthly CMRI research conference, 2012 - 2013

Judge (poster), 7th Annual Pediatric Research Day, Department of Pediatrics, University of Oklahoma Health Sciences Center, April 26, 2013

Organizer, Bi-monthly CMRI research conference, 2006 - 2009

PROFESSIONAL SERVICE

National/International

Reviewer, Abstract Reviewer, Obesity Society, 2021 - Present

Reviewer, Abstract Reviewer, Obesity Society, 2020 - Present

Reviewer, Abstract Reviewer, Obesity Society, 2019 - Present

Reviewer, Abstract/Reviewer, Obesity Society, 2018 - Present

Reviewer, Abstract Reviewer, Obesity Society, 2017 - Present

Reviewer, Ireland Health Research, The Health Research Board (HRB), Ireland, January 24, 2024

Reviewer, NIH Study Section Reviewer (NIDDK Catalyst Award), NIH (NIDDK), Bethesda, MD, January 19, 2024

I provide insight to the working group on Human Breast Milk, Human Milk Composition Initiative (HMCI) Academic Volunteer Interest/Expert Group, 2020 Dietary Guidelines Advisory Committee - U.S. Department of Health and Human Services, Norman, United States, 2020 - 2023

Reviewer, Ad-Hoc, NIH Study Section Reviewer (HSDO), NIH, October 19, 2023 - October 20, 2023

Reviewer, IAsys India Alliance DBT Wellcome, IAsys India Alliance DBT Wellcome, India, August 15, 2023

Reviewer, NIH Study Section Reviewer (ONES), NIH, Norman, United States, July 25, 2023

Reviewer, NIH Study Section Reviewer, NIH-Endocrinology, Metabolism and Reproductive Sciences, MD, United States, 2022

Reviewer, NIH Study Section Reviewer, NIH, MD, United States, March 21, 2022

Reviewer, Ad-Hoc, NIH Study Section Reviewer, NIDDK-DDK-C Committee, MD, October 21, 2021 - October 22, 2021

Reviewer, Ad-Hoc, NIH Study Section Reviewer, NIH-NIDDK, DDK-B, Norman, MD, United States, June 24, 2021

Reviewer, Ad-Hoc, NIH Study Section Reviewer, NIH - Endocrinology, Metabolism, Nutrition and Reproductive Sciences, Norman, MD, United States, April 3, 2020

Writing group member, Position Statement on Breastfeeding working group, TOS, 2016

Reviewer, Grant Review, Soy Health Research Program, 2015

Abstract Reviewer, 2014 National Meeting, The Obesity Society, 2014

Reviewer, Grant Review, HRB Health Research Board, Ireland, 2010

Reviewer, Grant Review, Medical Research Council, United Kingdom, 2010

Reviewer, Grant Review, Diabetes, United Kingdom, 2009

Reviewer, Grant Review, Austrian Science Fund FWF, 2008 - 2009

Reviewer, Grant Review, UK National Prevention Research Initiative, United Kingdom, 2005

Editor, Editorial Board, Journal Reviewer

Editor, Associate, Obesity, 2021 - Present

Journal Referee, Obesity Reviews, 2015 - Present

Editor, Associate, Pediatric Obesity, 2015 - Present

Editorial Board Member, Frontiers in Nutrition Methodology, 2014 - Present

Journal Referee, Early Human Development, 2010 - Present

Journal Referee, Clinical Physiology and Functional Imaging, 2006 - Present

Journal Referee, International Journal of Body Composition Research, 2006 - Present

Journal Referee, Physiological Measurement, 2006 - Present

Journal Referee, International Journal of Pediatric Obesity, 2005 - Present

Journal Referee, Dynamic Medicine, 2004 - Present

Journal Referee, International Journal of Obesity, 2004 - Present

Journal Referee, Medicine Science in Sports and Exercise, 2004 - Present

Journal Referee, Pediatric Research, 2003 - Present

Journal Referee, American Journal of Clinical Nutrition, 2002 - Present

Journal Referee, Journal of Applied Physiology, 2002 - Present

Journal Referee, Obesity Research, 2002 - Present

Current Service to Other Academic Institutions

Consultant, DXA analyses and interpretation, University of Iowa Department of Pediatrics Infant Nutrition group, Iowa City, IA, 2009 - 2015

Previous Service to Other Academic Institutions

Grant Reviewer, Pilot and Feasibility Program for the Nutrition and Obesity Research Center, University of Alabama, Birmingham, AL, 2013

Grant Reviewer, Pilot and Feasibility Program for the Nutrition and Obesity Research Center, University of Alabama, Birmingham, AL, 2011

PROFESSIONAL MEMBERSHIPS

Society for Pediatric Research	2013 - Present
The Obesity Society	1999 - Present
American Diabetes Association (ADA)	2002 - 2006

PROFESSIONAL GROWTH AND DEVELOPMENT

Seminars, Workshops, and Other Training

DIABETES molecular heterogeneity, mechanisms and emerging technologies, Sixth annual Baltic Summer School, Universities of Copenhagen (Denmark), Kiel (Germany) and Lund (Sweden), August 2004

Visiting Scientist, Washington University, Department of Internal Medicine, Division of Geriatrics and Nutritional Science, St. Louis, MO, July 2004

Third Annual Short Course on Statistical Genetics for Obesity & Nutrition Researchers, National Institute of Diabetes & Digestive & Kidney Diseases, Birmingham, AL, February 2003

Principles and Practice of Tracer Methodology in Metabolism, Galveston, TX, October 2002

Grantsmanship Training Program, FASEB, Tucson, AZ, August 2002

Other Professional Development

Professionalism -Treatment of medical students in the learning environment, ATS (Academy of Teaching Scholars), OKC, United States, January 19, 2022