

CURRICULUM VITAE (2018-2024)

PERSONAL INFORMATION:

Name: Folami Ideraabdullah, Ph.D.
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PROFESSIONAL POSITIONS – EMPLOYMENT HISTORY:

2021 – present Associate Professor, Department of Genetics (primary), School of Medicine; Department of Nutrition (joint), Gillings School of Global Public Health, University of North Carolina at Chapel Hill, NC
Expertise: *Mouse genetics, Developmental epigenetics, Nutrigenomics, Precision nutrition*

2013 – present Affiliate Member, UNC Nutrition Research Institute, Kannapolis, NC
Expertise: *Precision Nutrition, Nutrigenomics*

2016 – 2022 Honorary Researcher, MRC/Wits Developmental Pathways for health Research Unit (DPHRU), University of Witwatersrand, Johannesburg, South Africa
Expertise: *Developmental origins of health and disease (DOHAD)*

2013 – 2020 Assistant Professor, Department of Genetics (primary), School of Medicine, University of North Carolina at Chapel Hill, NC; Department of Nutrition (joint), Gillings School of Global Public Health and School of Medicine
Expertise: *Mouse genetics, Developmental epigenetics, Nutrigenomics, Precision nutrition*

HONORS & AWARDS:

Awards

2019 Young Investigator Award, 22nd Vitamin D workshop, New York City, NY
2014 - 2019 NIH Transition to Independent Environmental Health Research Career Development Award (K22), NIEHS

Honors

2021 1000 Inspiring Black Scientists in America, crosstalk.cell.com/blog
• *Selected to highlight Black professors doing inspiring research at American Institutions*

2020 100 Inspiring Black Scientists in America, crosstalk.cell.com/blog
• *Selected to highlight Black professors doing inspiring research at American Institutions; Selection was based on “publications, mentoring experience, university, teaching, social justice and minority outreach, honors & awards, and social media platforms”.*

2019 Early Stage Investigator honoree, Environmental Health Sciences Core Center Annual Meeting, Iowa City, IA

Media Highlights

2022 Black History Month featured scientist, UNC Gillings School of Public Health Research
2021 [Research highlight](#), *ActiveMotif* podcast
2021 [Faculty Spotlight](#), Women in Reproductive Sciences, Society for the Study of Reproduction
• *Selected for excellence in academia*
2020 [Research Spotlight](#), San Francisco State University NIH funded “Scientist Spotlight Initiative”
2019 [From your grandmother’s health to yours](#)” - Rhea Jayaswal, Carolina Scientific Magazine

PUBLICATIONS:

*first/co-first author, †corresponding/senior author, [FI lab members](#)

Books & Chapters

1. **Ideraabdullah FY**. The genetic architecture of the DDK syndrome: an early embryonic lethal phenotype in the mouse. University of North Carolina at Chapel Hill, 2007, 150 pages, 3257597. (*Dissertation*)
2. **Ideraabdullah F**. Nutrition for the 21st Century (An overview of nutrigenetics/nutrigenomics for Pediatricians), Pediatric Nutrition (9th edition). American Academy of Pediatrics. 2024, 20 pages (*In Press*).

Papers/Articles

Original research

1. Timing of standard chow exposure determines the variability of mouse phenotypic outcomes and gut microbiota profile. Knuth MM, Campos CV, Smith K, Hutchins EK, Lewis S, York M, Coghil LM, Franklin C, MacFarlane A, Ericsson AC, Magnuson T, **Ideraabdullah F**. bioRxiv [Preprint]. 2024 Mar 30:2024.03.28.587032. doi: 10.1101/2024.03.28.587032.
2. Early life exposure to vitamin D deficiency impairs molecular mechanisms that regulate liver cholesterol biosynthesis, energy metabolism, inflammation, and detoxification. Knuth M, Xue J, Elnagheeb M, Gharaibeh R, Schoenrock S, McRitchie S, Brouwer C, Sumner SJ, Tarantino L, Valdar L, Rector RS, Simon JM, and **Ideraabdullah FY**[†]. *Frontiers in Endocrinology*. 2024 May; Vol 15. <https://doi.org/10.3389/fendo.2024.1335855>
3. Sex-specific transgenerational effects of preconception exposure to arsenite: metabolic phenotypes of C57BL.6 offspring. Shang B, Venkatratnam A, Liu T, Douillet C, Shi Q, Miller M, Cable P, Zou F, **Ideraabdullah F**, Fry RC, Styblo M. *Arch Toxicol*. 2023 Aug 24. epub ahead of print
 - *Contributions: Study design, data interpretation, and manuscript revisions.*
4. Inference of putative cell-type specific imprinted regulatory elements and genes during human neuronal differentiation. Liang D, Aygün N, Matoba N, **Ideraabdullah FY**, Love MI, Stein JL. *Hum Mol Genet*. 2023 Jan 13;32(3):402-416 PMID:PMC9851749
 - *Contributions: Data interpretation & manuscript revisions.*
5. *Ex vivo* exposures to arsenite and its methylated trivalent metabolites alter gene transcription in mouse sperm cells. Shang B, Venkatratnam A, Hartwell H, Douillet C, Cable P, Liu T, Zou F, **Ideraabdullah FY**, Fry RC, Styblo M. *Toxicol Appl Pharmacol*. 2022 Nov 15;455:116266 PMID: PMC9753555
 - *Contributions: Study design, data interpretation, and manuscript revisions.*
6. Gestational Diabetes Mellitus Placentas Exhibit Epimutations at Placental Development Genes. **Meyrueix L**, Gharaibeh R, **Xue J**, Brouwer C, Jones C, Adair L, Norris SA, and **Ideraabdullah FY**[†]. *Epigenetics*. 2022 Dec;17(13):2157-2177 PMID: PMC9665155
7. Sex-dependent effects of preconception exposure to arsenite on gene transcription in parental germ cells and on transcriptomic profiles and diabetic phenotype of offspring. Venkatratnam A, Topping BC, Douillet C, Addo KA, **Ideraabdullah FY**, Fry RC, Styblo M. *Archives in Toxicology*, 2021 Feb;95(2):473-488 PMID:PMC7878413
 - *Contributions: Study design, data collection, data interpretation, and manuscript revisions.*
8. Content and performance of the MiniMUGA genotyping array, a new tool to improve rigor and reproducibility in mouse research. John Sebastian Sigmon^{*1}, Matthew W Blanchard^{*2,3}, Timothy A Bell², Jennifer Brennan², Gudrum Brockman²⁴, Wesley Burks⁴, Mauro Calabrese⁵, Kathleen Caron⁶, Richard Cheney⁶, Dominic Ciavatta², Frank Conlon⁷, David Darr⁸, Mohanish Deshmukh⁶, James Faber⁶, Kent Lloyd²³, Craig Franklin²², Tim Gershon⁹, Ralph Baric¹⁰, Lisa Gralinski¹⁰, Bin Gu⁶, Rob Hagan¹¹, Christiann Hatalya Hill², Mark Heise², Pablo Hock², **Folami Ideraabdullah**, Charles Jennette¹², Tal Kafri¹³, Anwika Kashfeen¹, Samir Kelada², Mike Kulis⁴, Helen Lazear¹³, Colton Linnertz², Alessandra Livraghi-Butrico¹⁴, Richard Loeser¹⁵, Rachel Lynch², Terry Magnuson^{2,3,8}, Glenn Matsushima¹³, Rachel McMullan², Darla Miller², Karen Mohlke², Sheryl Moy¹⁶, Caroline Murphy², Maya Najarian¹, Lori O'Brien⁶, Larry Ostrowski⁶, Abe Palmer²¹, Ben Philpot⁶, Scott Randell⁶, Allison Rogala¹⁷, Laura Reinhold¹⁸, Chris Sasseti¹⁹, Clare Smith¹⁹, Avani Saraswatula², Jonathan Schisler⁵, Sarah Schoenrock², Ginger Shaw², John Shorter², Patrick Sullivan², Lisa Tarantino², David Threadgill²⁰, Will Valdar², Barb Vilen¹³, Jason Whitmire², Lucy Williams², Mark Zylka⁶, Martin T Ferris², Leonard McMillan¹, Fernando Pardo-Manuel de Villena^{2,3,8}. *Genetics*, 2020 Dec:216(4):905-930 PMID: PMC7768238
 - *Contributions: Provided targeted mutant mouse samples and advice on manuscript revisions.*

9. Maternal microdeletion at the *H19/Igf2* ICR in mice increases offspring susceptibility to *in utero* environmental perturbation. Anandita Pal, Judy Oakes, **Folami Y. Ideraabdullah**[†]. *Epigenetics Insights – Special collection on Environmental and Nutritional Epigenetics*, 2020 Dec 2;13:2516865720970575 PMID:PMC7716063
10. Baseline and Innate Immune Response Characterization of a Zfp30 Knockout Mouse Strain. Lauder milk LT, Tovar A, Homstad AK, Thomas JM, McFadden KM, Tune MK, Cowley DO, Mock JR, **Ideraabdullah F**, and Kelada SNP. *Mammalian Genome*. 2020 Aug;31(7-8):205-214 PMID: PMC7486244
 - *Contributions: Data collection, data interpretation, and manuscript revisions.*
11. Maternal liver metabolic response to chronic vitamin D deficiency is determined by genetic background. Xue J, Hutchins EK, Elnagheeb M, Li Y, Valdar W, McRitchie S, Sumner S, **Ideraabdullah FY**[†]. *Current Dev in Nutr - Special edition on Individual Variability in Dietary Response*. 2020 Jun 20;4(8):nzaa106 PMID:PMC7439094
12. Assessment of placental metal levels in a South African cohort. Meyrueix L, Adair L, Norris SA, and **Ideraabdullah, FY**[†]. *Environ Monit Assess*. 2019 Jul 18;191(8):500 PMID: PMC6681656
13. Impact of vitamin D depletion during development on mouse sperm DNA methylation. Xue J, Gharaibeh R, Pietryk EW, Brouwer C, Tarantino LM, Valdar W, and **Ideraabdullah FY**[†]. *Epigenetics*. 2018 Sep 21;13(9):959-974 PMID: PMC6284778

Reviews

14. Maternal vitamin D deficiency and developmental origins of health and disease (DOHaD). **Ideraabdullah FY**^{†*}, Belenchia AM, Rosenfeld CS, Kullman SW, Knuth M, Mahapatra D, Bereman M, Levin ED, Peterson CA. *J Endocrinol*. 2019 Mar 1;241(2):R65-R80. PMID: PMC6717694

Published Abstracts

1. UNC EDGE: An undergraduate genomics experience to foster diversity in genomics. Powell S, Byfield G, Fraidenburg K, Furey T, Henderson G, Powell B, Whittington D, Berg J, **Ideraabdullah F**[†]. *Genetics in Medicine Open*. 2024; 2: Suppl (O40).
2. UNC EDGE Genomics: A new undergraduate training program to increase inclusion in the genomics workforce. Powell S, Byfield G, Fraidenburg K, Furey T, Henderson G, Powell B, Whittington D, Berg J, **Ideraabdullah F**[†]. *Genetics in Medicine Open*. Mar 2023; 1:1 Suppl (P694).

EDITORIAL RESPONSIBILITIES & COMMITTEES:

Editorial Responsibilities

- | | |
|----------------|--|
| 2015 – present | Board Member, Environmental Epigenetics |
| 2014 – present | Board Member, Journal of Nutritional Biochemistry |
| 2020-2022 | Lead Guest Editor on Special collection: “Precision Nutrition” |

National/International Committees

- | | |
|----------------|--|
| 2024 – present | Board of Directors member, Epigenetics Society |
| 2024, 2022 | Study section member (adhoc), NIH CMIR (Cellular, Molecular, and Integrative Reproduction) |
| 2021 – 2023 | Board of Directors member, Genetics Society of America (GSA), Nominations Committee |
| 2019 – 2022 | Leadership Council member and conference organizer, US DOHAD (Developmental Origins of Health and Disease) Society |
| 2021 | Strategic Planning Panel, NIH Human Placenta Project Meeting, NICHD |
| 2018 | Study section member (Early Career Reviewer), NIH, DEV1 (Development 1) |

University & Regional Committees

- | | |
|----------------|--|
| 2019 – present | Oversight Committee member, Endocrine Disrupting Chemicals – North Carolina (EDC-NC) |
| 2019 – present | Internal Advisory Board, NIEHS-funded UNC Center for Environmental Health and Susceptibility |
| 2018 – 2021 | Executive Committee member, UNC Curriculum in Toxicology and Environmental Medicine |
| 2021 | Staff Scientist Search Committee, NIEHS |
| 2015-2018 | Internal Governance Committee member, UNC Nutrition Obesity Research Center (NORC) |
| 2022 – 2023 | Admissions committee member, UNC BBSP Human Disease and Translational Science |

2019-2020 Member, Genetics Department Diversity Liaison Committee
2017 – 2019 Member, Genetics Department Advisory Committee

SOCIETY/MEETING PARTICIPATION:

Society Memberships

2024 – present Epigenetics Society (*Board member*)
2020 - present Genetics Society of America (GSA) (*Board member*)
2017 - present Epigenetics Focus Group, Environmental Mutagenesis and Genomics Society (EMGS)
2016 - present Society for the Study of Reproduction (SSR)
2015 - present U.S. & International Societies for Developmental Origins of Health and Disease (DOHaD)
2011 - present Association for Women in Science (AWIS)
2014 - 2020 American Society for Nutrition (ASN)
2013 - 2020 Society of Toxicology (SOT)
2003 - 2019 International Mammalian Genome Society (IMGS)

Conference Organizing Activities

2019, 2024 Co-organizer, EDC-NC Annual Symposium
2019 Co-organizer, US DOHAD Society Annual Conference
2019 Session leader, Society for the Study of Reproduction Annual Conference, San Jose, CA

Society Presentations

1. “Modeling interindividual effects of maternal vitamin D deficiency in the mouse”, Perinatal Biology Symposium, Aspen, CO (2022)
2. Faculty Panelist, Academic job search & skills with DEI emphasis, Genetics Society of America, virtual (2021) *Professional development for students & postdocs from underrepresented & underserved backgrounds.*
3. “Modeling the intersecting roles of genes & nutrients in developmental programming of obesity”, Obesity Week – The Obesity Society Annual meeting (2021)
4. “Modeling inter-individual effects of vitamin D deficiency during pregnancy”, Annual Vitamin D Society Workshop, Virtual Keystone Society (2021)
5. “A new role for vitamin D in developmental epigenetic programming”, International Society for Developmental Origins of Health and Disease (DOHAD), virtual (2021)
6. “Gene x diet effects on developmental programming”, Society for Developmental Biology 80th annual meeting, virtual (2021)
7. “Characterizing the role of genetic background in offspring epigenetic dysregulation by maternal vitamin D deficiency”, Vitamin D Society Workshop, New York, NY (2019)
8. “Intergenerational response to the endocrine disruptor vinclozolin is influenced by maternal genotype & crossing scheme”, Society of Toxicology (SOT) annual meeting, San Antonio, TX (2018)

Mentoring Activities:

Training Grant Leadership

2021 – present Lead PI, UNC EDGE Genomics training program, UNC, Chapel Hill, NC

- 21-36 students / year

Mentoring

EARLY CAREER FACULTY

- Geneticists Mentoring Geneticists (GMG) peer mentoring, UNC Genetic Department (2021 – present)
- Keriayn Smith, Research Assistant Professor, Magnuson lab (2021 - present)
- Debashish Menon, Research Assistant Professor, Magnuson lab (2021 - 2022)
- Manya Warriar, Research Assistant Professor, Zeisel lab (2017 – 2018)

POSTDOCTORAL RESEARCHERS

- Megan Knuth, PhD, Cancer Epigenetics Training Program Fellow, Career MODE Fellow (2020 – present)
- Awards & Honors: *Vitamin D workshop Young Investigator Award (2022)*
- Brandon Eudy, PhD (2020 – 2021), *Curriculum in Toxicology and Environmental Medicine Fellow* - next position: Study Director, Metabolon
- Jing Xue, PhD (2014 – 2018) – next position: Data Scientist, Goodyear
- Awards & Honors: *NC TRaCS Pilot award (2018); ASN Travel award (2018); US DOHaD Trainee award (2017); ASN Emerging leaders in nutrition science finalist (2016); NIEHS Population based rodent resources for environmental health sciences abstract award (2015); NIEHS Travel award (2015)*

GRADUATE STUDENTS

- Molly Warren, Nutrition MS student (2024-present)
- Caroline Vieira Campos, visiting PhD scholar, Gabrielle Anhe lab, State University of Campinas, Brazil (2023 - 2024)
- Laetitia Meyrueix, Nutrition PhD student, (2016- 2022), graduated with PhD
- Awards: *UNC Global Cardiometabolic Disease Training Grant (2017-2019); UNC Genetics Retreat poster presentation award (2019); US DOHAD Trainee Award (2019); NC-Research Campus Catalyst Symposium 1st place poster presentation award (2019); UNC Dissertation Award (2021); PEO Scholar Award (2021)*
- Thesis Title: *Assessment Of The Effect Of Gestational Diabetes Mellitus And Metals Exposure In The Soweto First 1000 Days Cohort On Placental Epigenetic Programming And Placental & Birth Outcomes*
- Alison Homstad, Genetics and Molecular Biology PhD student, (2018 – 2020), graduated with MS – next position; Medical reporting curator, Foundation Medicine Inc
- Thesis Title: *Impact of vitamin D depletion during development on CC051 mice*
- Ennessa Curry, Genetics and Molecular Biology PhD student, (2019 – 2020), graduated with MS
- Thesis Title: *Demonstrating mechanisms by which vitamin d regulates inflammation pathways in systemic lupus erythematosus*
- Elizabeth Hutchins, Nutrition MS student (2018 – 2020), graduated – next position: technician, UNCCCH
- Awards: *Selected for the Delta Omega Theta Honor Society*
- Thesis Title: *Determination of vitamin D status and its role in vitamin D deficiency and glycemic control*

POSTBACCULAUREATE STUDENTS

- Shantae Jackson, UNC PREP (2022 – 2023) next position, PhD program at Duke University
- Kirsten Smith, UNC PREP (2021 – 2022) next position, PhD program at Duke University

UNDERGRADUATE STUDENTS

- Trinity Jones, UNC EDGE genomics (summer 2024)
- Mytri Vunnam, UNC Biology (2023 – present)
- Molly Warren, UNC BSPH (2022 – 2024)
- Isabella Patterson, UNC Biology (2023-2024)
- Isaiah Kirkpatrick, UNC (2023)
- Aastha Dubal, UNC BSPH (2021 – 2023)
- Briona Wright, UNC EDGE genomics (summer 2023)
- Zaria Jackson, NCCU, UNC 21EH intern (2022 Summer & Fall) – completed training
- Hanna Azizi, student research assistant (2021 – 2022), Graduated, not in research
- Verdant Julius, NC A&T, UNC SOLAR intern (summer 2022) next position, MPH program at UNC Chapel Hill
- Amy Shi Nan Feng, UNC BSPH (2021 – 2022) – completed training, next position still in research
- Kena Lemu, UNC BSPH (2020 – 2021) – completed training, still in research
- Megan Parmelee, UNC BSPH (2020 – 2021) - next position: PharmD program at UNC Chapel Hill (moved to pharmacy)
- Agnes Ezekwesili, BSPH, co-mentored with Bob Duronio (2018 – 2020) – next position: MD student University of Pennsylvania still in research
- Talia Kieu, UNC IMHOTEP public health intern (2019) – next position: PhD student, UNCCCH still in research
- Alvaro Nava, UNC BSPH (2018 – 2019) – next position: MS program, Columbia University
- Changran Niu, UNC BSPH (2018 – 2019) – next position: Next position: PhD student, Scripps

- Honors Thesis Title: *Genetic determination of vitamin D status in Collaborative Cross mice*
- Awards & Honors: *Bachelor of Science with Highest Honors and Highest Distinction in Nutrition*

GRADUATE COMMITTEES

- Mikayla Watt (Committee chair), Toxicology PhD student (2023 – present)
- Bingzhen Shang, Nutrition PhD student (2022 – present)
- Joyce Tzeng, Nutrition PhD student (2021 – present)
- Faustina Jeyaraj, Nutrition PhD student (2021 – present)
- Tansy Gu, Toxicology PhD student (2020 – present)
- Kevin Mauge-Lewis (Committee chair), Toxicology PhD student (2020 – 2023)
- Brea Hampton, Genetics and Molecular Biology PhD student (2017 – 2022)
- Hannah Perrin, Genetics and Molecular Biology PhD student (2018 – 2022)
- Thomas Jackson, NCSU Toxicology student (2019 – 2021)
- Jakob Hamilton, Nutrition MS student (2019 – 2021)
- Alexandra Bukowski, MD/PhD student (2020 – 2021)
- Kelsey Behrens, Toxicology PhD program (2018 – 2020)
- William Green, Nutrition PhD program (2018 – 2020)
- Keri Barron, Nutrition Department PhD student (2016 – 2020)

OTHER MENTORING ACTIVITIES

- Mentor, Careers through Mentoring and training in Omics and Data for Early-stage investigators (Career MODE), Mailman School of Public Health, Columbia University (2022- present) *Description: One-on-one mentoring for early career faculty / postdocs to support professional development.*
- Mentor, Mentoring circles, UNC Educational Pathways to Increasing Diversity in Genomics (EDGE), University of North Carolina, Chapel Hill, NC (2021 - present) *Description: Tiered mentoring program to support professional development, networking, community building, and self-advocacy for undergraduates from underrepresented & underserved backgrounds.*
- Peer mentor, Targeting Equity in Access to Mentoring (Team) Advance Peer-mentoring Circles, University of North Carolina, Chapel Hill, NC (2019- 2022) *Description: Peer mentoring program to support professional development, networking, community building, and self-advocacy for early career faculty – Women of color group.*
- Cohort Co-facilitator, UNC Initiative for Maximizing Student Development (IMSD). University of North Carolina, Chapel Hill, NC (2017 – 2022) *Description: Recruitment and retention of PhD students from groups underrepresented in the biomedical sciences through cohort mentoring. Quarterly mtgs for mentoring, peer support, community building & career development.*

Training Grant Mentor/Preceptor

2023 – present	Cancer Undergraduate Research Education Program (CUREP)
2022 - present	Program in Translational Medicine (T32)
2021 - present	UNC EDGE genomics training program, NHGRI-funded R25
2021 - present	Career MODE: Program: Careers through Mentoring and training in Omics and Data for Early-stage investigators, NIGMS-funded R25
2020 - present	Cancer Epigenetics Training Program (T32), NCI-funded
2016 - present	Nutrition Training Grant (T32), NIDDK-funded
2016 - present	Toxicology Training Grant (T32), NIEHS-funded
2015 - present	Global Cardio Metabolic Disease Training Grant (T32), NIDDK-funded
2013 - present	Genetics and Molecular Biology training grant (T32), NIGMS-funded

GRANTS

Active

1R25HG012219-01 (Ideraabdullah, MPI)	02/01/2022-01/31/2027	\$321,084 [current FY]
NIH, NHGRI	Role – Lead PI	15% effort
Title: Educational Pathways to increase Diversity in Genomics (EDGE) at UNC Chapel Hill		

Project Goals: To develop a training program in genomics that provides access to students from groups historically underrepresented in the genomics workforce.

5P30ES010126 (Troester) 06/01/2021-2/28/2026 \$1,548,545 [current FY]
NIH, NIEHS Role - Co-I 5% effort

Title: UNC Center for Environmental Health and Susceptibility (CEHS)

Project goals: This center provides core support and facilitates research into environmental causes of health concerns, emphasizing innate susceptibility and mechanistic studies.

5P30ES010126 - Pilot (Ideraabdullah) 03/01/24-03/31/25 \$50,000 [current FY]
NIH, NIEHS, Role - PI 0% effort

UNC Center for Environmental Health and Susceptibility (CEHS)

Title: Modeling vitamin D deficiency as a risk factor for toxicant-induced fatty liver disease

5-U42-OD010924-20 (Magnuson) 03/01/2020-02/28/2025 \$1,317,632 [current FY]
NIH Role - Co-I 10% effort

Title: Cooperative Agreement– A Carolina Center to Characterize and Maintain Mutant Mice

Project goals: To establish dietary guidelines and epigenetic quality control measures for MMRRC donor strains based on sperm epigenetic consequences of donor diet.

R21DK122242-01A1 (Ideraabdullah) 09/15/2020 – 06/30/2024 (NCE) \$176,234 [current FY]
NIH, NIDDK Role – PI 20% effort

Title: Investigating the role of metabolic programming in vitamin D deficiency induced adiposity

Project goals: To define the impact of vitamin D deficiency on programming energy metabolism and examine its role in epigenetic programming.

1R01ES028721 (Styblo) 04/01/2019-5/31/2024 (NCE) \$441,153 [current FY]
NIH, NIEHS Role - Co-I 10% effort (0% in NCE)

Title: Developmental windows for arsenic-associated diabetes

Project goals: To assess epigenetic mechanisms causing diabetogenic effects of preconceptional arsenic.

Completed

3U24HG009650-06S1 (Berg) 07/01/2022-06/30/2023 \$372,709 [current FY]
NIH, NHGRI Role – Co-I 5% effort

Title: The Clinical Genome Resource - Advancing genomic medicine through biocuration and expert assessment of genes and variants at scale

Project Goals: Administrative Supplement to Recognize Excellence in Diversity, Equity, Inclusion, and Accessibility (DEIA) Mentorship

OISE-20-66884 - CRDF Global (Voruganti) 06/01/2021-06/30/2022 NCE \$10,000 [total]
Cross Border Collaboration Award Role – Co-I 0% effort

Fogarty International Center for Global Health Studies

Title: Precision nutrition in childhood obesity: Principles and Approaches

Project goals: To establish a workshop on childhood obesity that bridges a relationship between academic training institutions in the U.S. and Mexico for the purpose of fostering collaborations that take a global approach to understanding mechanisms of childhood obesity.

5P30ES010126 – Recruitment Award (Troester) 06/01/2020-6/30/2022 \$54,000 [total]
NIH, NIEHS Role - Co-I 0% effort

Title: UNC Center for Environmental Health and Susceptibility (CEHS)

Project goals: Supports work on genetic susceptibility to developmental programming.

KES023849A (Ideraabdullah) 12/01/2014-11/30/2019 \$470,808 [total]
NIH, NIEHS Role- PI 75% effort

K22 - Transition to Independent Environmental Health Research Career Development Award

Title: A genetic approach to understanding mechanisms of epigenetic perturbation by environmental disruptors

Project goals: To determine the role of DNA sequence context in influencing the extent and heritability of epigenetic response to the endocrine disrupting chemical vinclozolin.

P30 DK056350 (Zeisel) - Pilot (Ideraabdullah) 06/01/19-03/31/19

\$20,000 [total]

NIH, NIDDK

Role- PI

0% effort

UNC Nutrition Obesity Research Core (NORC) Pilot and Feasibility Award

Title: Establishing the Collaborative Cross mouse reference population as a model for studying genetic determination of vitamin D status

Project goals: To investigate the impact of genetic differences among genetically divergent Collaborative Cross inbred mouse strains on vitamin D metabolism and physiological response.