

# Samantha Lee Huey, Ph.D.

Curriculum vitae

Center for Precision Nutrition and Health, Cornell University

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## EDUCATION

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Ph.D. International Nutrition	May 2020
Division of Nutritional Sciences, Cornell University	
<i>Minors:</i> Epidemiology · Immunology & Infectious Diseases	
B.S. Biology	May 2013
Department of Biology, Cedar Crest College	
<i>Minors:</i> Nutrition · Global Diseases	
Graduated <i>summa cum laude</i> , with Honors	

## POSTDOCTORAL TRAINING

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Maternal and Child Nutrition Postdoctoral Fellow	Division of Nutritional Sciences Cornell University	2022-2023
Postdoctoral Associate	Division of Nutritional Sciences Cornell University	2020-2022

## CURRENT PROFESSIONAL POSITION

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Research Associate	Center for Precision Nutrition and Health Cornell University	2023-present
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## PEER-REVIEWED ARTICLES [\* denotes equal contribution]

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1. Mehta NH, **Huey SL**, Kuriyan R, Peña Rosas JP, Finkelstein JL, Kashyap S, Mehta S. Potential mechanisms of precision nutrition-based interventions for managing obesity. *Adv Nutr.* **2024** Feb 3:100186. doi: 10.1016/j.advnut.2024.100186. Epub ahead of print. PMID: 38316343
2. **Huey SL**, Konieczynski EM, Mehta NH, Krisher JT, Bhargava A, Friesen VM, Mbuya MNN, Monterrosa EC, Nyangaresi AM, Mehta S. A systematic review of the impacts of post-harvest handling on provitamin A, iron and zinc retention in seven biofortified crops. *Nature Food* **2023** Nov; 4(11):978-985; DOI: [10.1038/s43016-023-00874-y](https://doi.org/10.1038/s43016-023-00874-y)

- a. *Associated protocol*: **Huey SL**, Krisher JT, Friesen VM, Mbuya MNN, Monterrosa E, Mehta S. Review of efficacy, effectiveness, and impact of biofortified foods and food products. PROSPERO 2021; [CRD42021254461](https://doi.org/10.1093/nutrit/nuad100)
3. **Huey SL**, Bhargava A, Friesen VM, Konieczynski EM, Krisher JT, Mbuya MNN, Mehta NH, Monterrosa E, Nyangaresi AM, Mehta S. Sensory acceptability of biofortified foods and food products: a systematic review. *Nutrition Reviews*. **2023** Aug 27; nuad100. doi: [10.1093/nutrit/nuad100](https://doi.org/10.1093/nutrit/nuad100). PMID: [37634146](https://pubmed.ncbi.nlm.nih.gov/37634146/)
- a. *Associated protocol*: **Huey SL**, Krisher JT, Friesen VM, Mbuya MNN, Monterrosa E, Mehta S. Review of efficacy, effectiveness, and impact of biofortified foods and food products. PROSPERO 2021; [CRD42021254461](https://doi.org/10.1093/nutrit/nuad100)
4. **Huey SL**, Mehta NH, Konieczynski EM, Bhargava A, Friesen VM, Krisher JT, Mbuya MNN, Monterrosa E, Nyangaresi AM, Boy E, Mehta S. Bioaccessibility and bioavailability of biofortified food and food products: Current evidence. *Crit Rev Food Sci Nutr*. **2022** Nov 17:1-23. doi: [10.1080/10408398.2022.2142762](https://doi.org/10.1080/10408398.2022.2142762). Epub ahead of print. PMID: [36384354](https://pubmed.ncbi.nlm.nih.gov/36384354/)
- a. *Associated protocol*: **Huey SL**, Krisher JT, Friesen VM, Mbuya MNN, Monterrosa E, Mehta S. Review of efficacy, effectiveness, and impact of biofortified foods and food products. PROSPERO 2021; [CRD42021254461](https://doi.org/10.1093/nutrit/nuad100)
5. **Huey SL**, Krisher JT, Morgan D, Mkambula P, Gannon BM, Mbuya MNN, Mehta S. A review of portable quantitative and semi-quantitative devices for measurement of vitamin A in biological samples. *Curr Res Biotechnol*. **2022** May 12;4:253-274. doi: [10.1016/j.crbiot.2022.04.003](https://doi.org/10.1016/j.crbiot.2022.04.003). PMID: [36033130](https://pubmed.ncbi.nlm.nih.gov/36033130/); PMCID: [PMC9407042](https://pubmed.ncbi.nlm.nih.gov/PMC9407042/)
6. **Huey SL**, Krisher JT, Morgan D, Mkambula P, Srinivasan B, Gannon BM, Mbuya MNN, Mehta S. Portable devices for measurement of vitamin A concentrations in edible oil: field readiness of available options. *ACS Omega*. **2022** May 17;7(21):17502-17518. doi: [10.1021/acsomega.1c07181](https://doi.org/10.1021/acsomega.1c07181). PMID: [35664625](https://pubmed.ncbi.nlm.nih.gov/35664625/); PMCID: [PMC9161250](https://pubmed.ncbi.nlm.nih.gov/PMC9161250/)
7. **Huey SL**, Krisher JT, Bhargava A, Friesen VM, Konieczynski EM, Mbuya MNN, Mehta NH, Monterrosa E, Nyangaresi AM, Mehta S. Review of the impact pathways of biofortified foods and food products. *Nutrients*. **2022** Mar 12;14(6):1200. doi: [10.3390/nu14061200](https://doi.org/10.3390/nu14061200). PMID: [35334857](https://pubmed.ncbi.nlm.nih.gov/35334857/); PMCID: [PMC8952206](https://pubmed.ncbi.nlm.nih.gov/PMC8952206/)
- a. *Associated Protocol*: **Huey SL**, Krisher JT, Friesen VM, Mbuya MNN, Monterrosa E, Mehta S. Review of efficacy, effectiveness, and impact of biofortified foods and food products. PROSPERO 2021; [CRD42021254461](https://doi.org/10.1093/nutrit/nuad100)
8. Mehta S, **Huey SL**, Ghugre PS, Potdar RD, Venkatramanan S, Krisher JT, Ruth CJ, Chopra HV, Thorat A, Thakkar V, Johnson L, Powis L, Raveendran Y, Haas JD, Finkelstein JL, Udipi SA. A randomized trial of iron- and zinc-biofortified pearl millet-based complementary feeding in children aged 12 to 18 months living in urban slums. *Clinical Nutrition* **2022**, 41;4:937-947. PMID: [35299084](https://pubmed.ncbi.nlm.nih.gov/35299084/), DOI: [10.1016/j.clnu.2022.02.014](https://doi.org/10.1016/j.clnu.2022.02.014)

9. **Huey SL\***, Yu EA\*, Finkelstein JL, Glesby MJ, Bonam W, Russell DG, Mehta S. Nutrition, inflammation, and the gut microbiota among outpatients with active tuberculosis disease in India. *Am J Trop Med Hyg.* **2021** Oct 18;105(6):1645-1656. doi: [10.4269/ajtmh.21-0310](https://doi.org/10.4269/ajtmh.21-0310). PMID: [34662867](https://pubmed.ncbi.nlm.nih.gov/34662867/); PMCID: [PMC8641345](https://pubmed.ncbi.nlm.nih.gov/PMC8641345/)
10. Guetterman HM, **Huey SL**, Knight R, Fox AM, Mehta S, Finkelstein JL. Vitamin B-12 and the gastrointestinal microbiome: a systematic review. *Adv Nutr.* **2021** Oct 6;13(2):530-58. doi: [10.1093/advances/nmab123](https://doi.org/10.1093/advances/nmab123). PMID: [34612492](https://pubmed.ncbi.nlm.nih.gov/34612492/); PMCID: [PMC8970816](https://pubmed.ncbi.nlm.nih.gov/PMC8970816/)
11. Mehta S, **Huey SL**, McDonald D, Knight R, Finkelstein JL. Nutritional interventions and the gut microbiome in children. *Annu Rev Nutr.* 2021 Oct 11;41:479-510. doi: [10.1146/annurev-nutr-021020-025755](https://doi.org/10.1146/annurev-nutr-021020-025755). Epub **2021** Jul 20. PMID: [34283919](https://pubmed.ncbi.nlm.nih.gov/34283919/)
12. **Huey SL**, Acharya N, Silver A, Shen R, Yu EA, Peña-Rosas JP, Mehta S. Effects of oral vitamin D supplementation on linear growth and other health outcomes among children under five years of age. *Cochrane Database Syst Rev.* **2020** Dec 8;12(12):CD012875. doi: [10.1002/14651858.CD012875.pub2](https://doi.org/10.1002/14651858.CD012875.pub2). PMID: [33305842](https://pubmed.ncbi.nlm.nih.gov/33305842/); PMCID: [PMC8121044](https://pubmed.ncbi.nlm.nih.gov/PMC8121044/)
  - a. *Associated Protocol:* **Huey SL\***, Yu E\*, Peña-Rosas J, Mehta S. The effects of oral vitamin D supplementation on linear growth and non-communicable diseases among infants and children younger than five years of age. *Cochrane Database Syst Rev.* **2017** Nov 16;2017(11):CD012875. doi: [10.1002/14651858.CD012875](https://doi.org/10.1002/14651858.CD012875). PMCID: [PMC6486017](https://pubmed.ncbi.nlm.nih.gov/PMC6486017/)
13. **Huey SL**, Jiang L, Fedarko MW, McDonald D, Martino C, Ali F, Russell DG, Udipi SA, Thorat A, Thakker V, Ghugre P, Potdar RD, Chopra H, Rajagopalan K, Haas JD, Finkelstein JL, Knight R, Mehta S. Nutrition and the gut microbiota in 10- to 18-month-old children living in urban slums of Mumbai, India. *mSphere.* **2020** Sep 23;5(5):e00731-20. doi: [10.1128/mSphere.00731-20](https://doi.org/10.1128/mSphere.00731-20). PMID: [32968008](https://pubmed.ncbi.nlm.nih.gov/32968008/); PMCID: [PMC7568645](https://pubmed.ncbi.nlm.nih.gov/PMC7568645/)
14. **Huey SL\***, Ruth CJ\*, Krisher JT, Fothergill A, Gannon BM, Jones CE, Centeno-Tablante E, Hackl LS, Colt S, Finkelstein JL, Mehta S. An electronic data capture framework (ConnEDct) for global and public health research: design and implementation. *J Med Internet Res.* **2020** Aug 13;22(8):e18580. doi: [10.2196/18580](https://doi.org/10.2196/18580). PMID: [32788154](https://pubmed.ncbi.nlm.nih.gov/32788154/); PMCID: [PMC7453324](https://pubmed.ncbi.nlm.nih.gov/PMC7453324/)
15. **Huey SL**, Finkelstein JL, Venkatramanan S, Udipi SA, Ghugre P, Thakker V, Thorat A, Potdar RD, Chopra HV, Kurpad AV, Haas JD, Mehta S. Prevalence and correlates of undernutrition in young children living in urban slums of Mumbai, India: A Cross Sectional Study. *Front Public Health.* **2019** Jul 12;7:191. doi: [10.3389/fpubh.2019.00191](https://doi.org/10.3389/fpubh.2019.00191). PMID: [31355176](https://pubmed.ncbi.nlm.nih.gov/31355176/); PMCID: [PMC6639755](https://pubmed.ncbi.nlm.nih.gov/PMC6639755/)
16. Mehta S, Finkelstein JL, Venkatramanan S, **Huey SL**, Udipi SA, Ghugre P, Ruth C, Canfield RL, Kurpad AV, Potdar RD, Haas JD. Effect of iron and zinc-biofortified pearl millet consumption on growth and immune competence in children aged 12-18 months in India: study protocol for a randomised controlled trial. *BMJ Open.* **2017** Nov 14;7(11):e017631. doi: [10.1136/bmjopen-2017-017631](https://doi.org/10.1136/bmjopen-2017-017631). Erratum in: *BMJ Open.* 2018 Jan 9;8(1):e017631corr1. Erratum in: *BMJ Open.* 2018 Oct 2;8(10):e017631corr2. PMID: [29138201](https://pubmed.ncbi.nlm.nih.gov/29138201/); PMCID: [PMC5695508](https://pubmed.ncbi.nlm.nih.gov/PMC5695508/)

17. **Huey SL**, Venkatramanan S, Udipi SA, Finkelstein JL, Ghugre P, Haas JD, Thakker V, Thorat A, Salvi A, Kurpad AV, Mehta S. Acceptability of iron- and zinc-biofortified pearl millet (Dhanashakti)-based [corrected] complementary foods among children in an urban slum of Mumbai, India. *Front Nutr.* **2017** Aug 25;4:39. doi: [10.3389/fnut.2017.00039](https://doi.org/10.3389/fnut.2017.00039). Erratum in: *Front Nutr.* 2018 Oct 18;5:92. PMID: [28971097](https://pubmed.ncbi.nlm.nih.gov/28971097/); PMCID: [PMC5609630](https://pubmed.ncbi.nlm.nih.gov/PMC5609630/)

## PERSPECTIVES

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1. Research Briefing: Biofortified foods show variable micronutrient retention depending on post-harvest handling. *Nature Food* **2023** Dec;4(12):1035-1036. DOI: [10.1038/s43016-023-00887-7](https://doi.org/10.1038/s43016-023-00887-7). PMID: [37978242](https://pubmed.ncbi.nlm.nih.gov/37978242/)
2. **Huey SL**, Mehta S. Stunting: The need for application of advances in technology to understand a complex health problem. *EBioMedicine.* **2016** Apr;6:26-27. doi: [10.1016/j.ebiom.2016.03.013](https://doi.org/10.1016/j.ebiom.2016.03.013). Epub 2016 Mar 12. PMID: [27211543](https://pubmed.ncbi.nlm.nih.gov/27211543/); PMCID: [PMC4856790](https://pubmed.ncbi.nlm.nih.gov/PMC4856790/)

## PROTOCOLS

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1. Mehta S, Shrestha N, Bennett A, **Huey SL**, Fahim SM, Finkelstein J. A diagnostic test accuracy review evaluating the accuracy and precision of data collection and analytical methods of hemoglobin assessment in populations. *PROSPERO* 2023; [CRD42023483150](https://doi.org/10.1111/CRD4.2023483150)
2. **Huey SL**, Rajagopalan K, Kuriyan R, Finkelstein J, Mehta S. Diet therapy for the integrated management of obesity in adults. *PROSPERO* 2023; [CRD42023443124](https://doi.org/10.1111/CRD4.2023443124)
3. **Huey SL**, Fahim SM, Kuriyan R, Finkelstein J, Mehta S. Gut microbiome-based interventions for the management of obesity in adults. *PROSPERO* 2023; [CRD42023443113](https://doi.org/10.1111/CRD4.2023443113)
4. **Huey SL**, Kuriyan R, Finkelstein J, Mehta S. Precision nutrition-based interventions for the management of obesity in adults. *PROSPERO* 2023; [CRD42023443102](https://doi.org/10.1111/CRD4.2023443102)
5. Rajagopalan K, **Huey SL**, Yu JA, Shrestha N, Bennett A, Pardo-Hernandez H, Kuriyan R, Finkelstein J, Mehta S. Diet therapy for the integrated management of obesity in children up to the age of 9 years. *PROSPERO* 2023; [CRD42023421178](https://doi.org/10.1111/CRD4.2023421178)
6. Rajagopalan K, **Huey SL**, Yu JA, Shrestha N, Bennett A, Pardo-Hernandez H, Kuriyan R, Finkelstein J, Mehta S. Diet therapy for the integrated management of obesity in children and adolescents aged 10-19 years. *PROSPERO* **2023**; [CRD42023421179](https://doi.org/10.1111/CRD4.2023421179)
7. Fahim SM, **Huey SL**, Agarwal N, Palma Molina X, Rajagopalan K, Shrestha N, Bennett A, Pardo-Hernandez H, Kuriyan R, Finkelstein J, Mehta S. Gut microbiome-based interventions for the management of obesity in children and adolescents up to the age of 9 years. *PROSPERO* **2023**; [CRD42023421180](https://doi.org/10.1111/CRD4.2023421180)
8. Fahim SM, **Huey SL**, Agarwal N, Palma Molina X, Rajagopalan K, Shrestha N, Bennett A, Pardo-Hernandez H, Kuriyan R, Finkelstein J, Mehta S. Gut microbiome-based interventions for the

management of obesity in children and adolescents aged 10-19 years. PROSPERO **2023**; [CRD42023421181](#)

9. **Huey SL**, Mehta S, Finkelstein JL, Guetterman H. Systematic Review of Dietary Interventions & the Gut Microbiome in Children. PROSPERO **2022**; [CRD42022323531](#)
10. **Huey SL**, Krisher JT, Friesen VM, Mbuya MNN, Monterrosa E, Mehta S. Review of efficacy, effectiveness, and impact of biofortified foods and food products. PROSPERO **2021**; [CRD42021254461](#)

## BOOK CHAPTERS

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1. **Huey SL**, Finkelstein JL, Mehta S. Nutrition during the preschool years. In: Caballero, B, editors. Encyclopedia of Human Nutrition. 4th ed. Elsevier; **2023**. p. 121-6. ISBN 9780128218488. DOI: [10.1016/B978-0-12-821848-8.00037-8](#)
2. **Huey SL**, Mehta S. Human immunodeficiency virus and vitamin A. In: Mehta S, Finkelstein JL, editors. Nutrition and HIV: Epidemiological Evidence to Public Health. New York (NY): CRC Press; **2018** May 15. Chapter 1. PMID: [34288628](#); Bookshelf ID: [NBK572230](#); DOI: [10.1201/9781351058193-1](#)
3. Wilkinson AL, **Huey SL**, Mehta S. Antioxidants and HIV/AIDS: zinc, selenium, and vitamins C and E. In: Mehta S, Finkelstein JL, editors. Nutrition and HIV: Epidemiological Evidence to Public Health. New York (NY): CRC Press; **2018** May 15. Chapter 5. PMID: [34288626](#); Bookshelf ID: [NBK572228](#); DOI: [10.1201/9781351058193-5](#)

## TECHNICAL AND WORKING PAPERS

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1. Ruth C, Yu EA, **Huey SL**, Chitkushev L, Mehta S, Zhang GL. ConnEDCt: A Development Framework for Mobile Electronic Data Capture in Disconnected Communities. *Proceedings of the 12th Annual Computer Science and Education in Computer Science* **2016**, 12, 233-248; pp. 001-015. ([Link](#))

## MANUSCRIPTS IN SUBMISSION [\* denotes equal contribution]

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1. **Huey SL**, Islam S, Konieczynski EM, Mehta NH, Krisher JT, Bhargava A, Friesen VM, Mbuya MNN, Monterrosa E, Nyangaresi AM, Mehta S. Review of the facilitators and barriers to adoption of biofortified foods and food products. *Under review in: Nutrition Research Reviews*.
2. **Huey SL**, Mehta NH, Steinhouse RS, Jin Y, Kuriyan R, Finkelstein J, Mehta S. Precision nutrition-based interventions for the management of obesity in children and adolescents up to the age of 19 years. Systematic Review. *Under review in: Cochrane Library, Metabolic and Endocrine Disorders Group*.
  - a. *Associated Protocol*: **Huey SL**, Mehta NH, Steinhouse RS, Jin Y, Shrestha N, Bennett A, Pardo-Hernandez H, Kuriyan R, Finkelstein J, Mehta S. Precision medicine and individualized treatment for

the management of obesity in children and adolescents up to the age of 9 years. PROSPERO **2023**; [CRD42023421176](#)

- b. *Associated Protocol*: **Huey SL**, Mehta NH, Steinhouse RS, Jin Y, Shrestha N, Bennett A, Pardo-Hernandez H, Kuriyan R, Finkelstein J, Mehta S. Precision medicine and individualized treatment for the management of obesity in children and adolescents aged 10 to 19 years. PROSPERO **2023**; [CRD42023421177](#)
- 6. Huey SL**, Gannon BM, Mehta NH, Shrestha N, Rogers LM, Garcia-Casal MN, Mehta S. Diagnostic test accuracy of selected laboratory-based biomarkers for assessing vitamin A deficiency in at-risk individuals: a systematic review and meta-analysis. *Under review in: Cochrane Library, Infectious Diseases Group.*
- 7. Hackl LS**, Lambertini E, Nordhagen S, **Huey SL**, Bennett AM, Shrestha N, Mehta S. Health links between food safety and nutrition: a review to identify evidence and gaps relevant to low- and middle-income countries. *Under review in: Advances in Food Science and Nutrition.*

## RESEARCH SUPPORT

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Meyer Cancer Center Collaborative Research Initiative Pre-R01 Project (Co-I)	2024
NIH Nutrition for Precision Health Initiative ( <b>Research Associate</b> )	2022-present
USDA AFRI/NIFA (2023-67017-39759) ( <b>Postdoctoral Associate</b> )	2023-2026
USDA AFRI/NIFA (2022-67017-36241) ( <b>Postdoctoral Associate</b> )	2022-2024
NIH T32 Training in Maternal & Child Nutrition ( <b>Postdoc</b> ; NICHD; #5T32HD087137-07)	2022-2023
USDA AFRI/NIFA (2021-67017-34008) ( <b>Postdoctoral Associate</b> )	2021-2023

## AWARDS & TRAVEL GRANTS

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ASN Emerging Leaders in Nutrition Science Abstract Recognition Award	2022
Cornell University Conference Travel Grant	2019
Cornell University South Asia Program Research Travel Grant	2018
Cornell University Einaudi Center International Research Travel Grant	2018
Cornell University Conference Travel Grant	2017
HarvestPlus Gut Microbiome Analyses Funding	2016
Cornell University Einaudi Center International Research Travel Grant	2016
Cornell University Conference Travel Grant	2016
Cornell University Einaudi Center International Research Travel Grant	2015
Cornell University Einaudi Center International Research Travel Grant	2014

<i>Summa cum laude</i> in field of concentration (Biology)	2013
Cedar Crest College Honors Program Graduate; Cynthia L. Fischer Award	2013
Cedar Crest College Scholar Athlete Award	2013
Colonial States Athletic Conference (CSAC) All-Academic Team	2009-2013
Cedar Crest College Girl Scout Gold Award Scholarship	2009-2013
Cedar Crest College Presidential Scholarship	2009-2013
Cedar Crest College Study Abroad Scholarship	2012
Future Woman of Distinction	2009
Girl Scout Gold Award	2009

## INVITED PRESENTATIONS

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1. **Center for Precision Nutrition and Health: Overview of Activities** 23-Oct-2023  
World Health Organization, Geneva, Switzerland
2. **WHO Guidelines: Update on Management of Pediatric Obesity** 22-Oct-2023  
World Health Organization, Geneva, Switzerland
3. **WHO Guidelines: Management of Pediatric Obesity** 12-Sept-2023  
Cornell Intercampus Symposium - Metabolic Health: from Molecules to Populations  
Cornell University, Ithaca, NY
4. **Food is Medicine and the Role of Precision Nutrition in Maternal and Child Health** 12-Sept-2023  
First National Seminar on Personalized / Precision Nutrition for Sustainable Health:  
from Theory to Practice  
International Life Sciences Institute-India (ILSI-India)

## CONFERENCE PRESENTATIONS [\* denotes upcoming conferences/meetings]

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1. \*Wang X, **Huey SL**, Sheng R, Mehta S, Wang F. SciDaSynth: Interactive Structured Knowledge Extraction and Synthesis from Scientific Literature with Large Language Model. Submitted for the *Association for Computing Machinery (ACM) Symposium on User Interface Software and Technology (UIST)*, Pittsburgh, 13-16 October **2024**.
2. \*Cole N, **Huey SL**, Finkelstein JF, Knight R, Mehta S. Impact of an Iron-Biofortified Intervention on the Composition and Diversity of the Gut Microbiota Among Children in the 2nd Year of Life. Submitted for *American Society for Nutrition 2024*, Chicago, June 29-July 2 **2024**.
3. \*Robinson A, **Huey SL**, Venkatramanan S, Udipi SA, Thakker V, Thorat A, Potdar RD, Chopra HV, Finkelstein JF, Mehta S. Impact of an Iron-Biofortified Intervention on the Composition and Diversity of

- the Gut Microbiota Among Children in the 2nd Year of Life. Submitted for *American Society for Nutrition 2024*, Chicago, June 29-July 2 **2024**.
4. \*Krisher JT, **Huey SL**, Mehta S. An interactive Micronutrient Retention Dashboard and Databank: a pilot framework for results dissemination. Accepted as Poster presentation for *43rd National Nutrient Databank Conference*, Ottawa, 21-23 May **2024**.
  5. Choudhury DR, **Huey SL**, Krisher JT, Udipi SA, Ghugre P, Thakker VM, Chopra HV, Venkatramanan S, Potdar R, Haas JD, Mehta S, Finkelstein J. Dietary intake of iron-biofortified pearl millet based complementary foods in children 12-18 months of age: Potential-to-benefit in children with anemia or iron deficiency (OP-2023- 0110). Oral presentation at *55th Conference of the Nutrition Society of India, National Institute of Nutrition - Nutrition Society of India (NIN-NSI)*, Hyderabad, 25-26 November **2023**.
  6. **Huey SL**, Krisher JT, Udipi SA, Ghugre P, Thakker VM, Chopra HV, Potdar R, Haas JD, Finkelstein JL, Mehta S. Daily iron intake through biofortified crops-based complementary foods and impact on iron indices (PAB(T1)-52). Poster presentation at *22nd International Union of Nutritional Sciences - International Congress of Nutrition (IUNS-ICN)*, Tokyo, 6-11 December **2022**. *Ann Nutr Metab* (2023) 79 (Suppl. 1):461. (doi: [10.1159/000530786](https://doi.org/10.1159/000530786))
  7. Monterossa E, Friesen VM, Mbuya MNN, **Huey SL**, Nyagaresa AM, Mehta NH, Bhargava A, Islam S, Mehta S. Impact of Biofortified Foods and Food Products (PAB(T9)-38). Poster presentation at *22nd International Union of Nutritional Sciences - International Congress of Nutrition (IUNS-ICN)*, Tokyo, 6-11 December **2022**. *Ann Nutr Metab* (2023) 79 (Suppl. 1):1149. (doi: [10.1159/000530786](https://doi.org/10.1159/000530786))
  8. **Huey SL**, Ghugre P, Potdar R, Venkatramanan S, Krisher J, Ruth C, Chopra H, Thorat A, Thakker V, Johnson L, Powis L, Raveendran Y, Haas J, Finkelstein J, Udipi S, Mehta S. A Randomized Trial of Iron-Biofortified Pearl Millet-Based Complementary Feeding in Children Aged 12 to 18 Months Living in Urban Slums in India (PO15-34-22). Poster presentation for *American Society for Nutrition Live Online*, 14-16 June **2022**. Finalist for the *Emerging Leaders in Nutrition Science Abstract Recognition Award* in Global Nutrition. *Curr Dev Nutr*. 2022 Jun 14;6(Suppl 1):577. doi: [10.1093/cdn/nzac060.035](https://doi.org/10.1093/cdn/nzac060.035). PMID: [PMC9193690](https://pubmed.ncbi.nlm.nih.gov/39193690/).
  9. Jones CE, **Huey SL**, Finkelstein J, Venkatramanan S, Udipi S, Thakker V, Thorat A, Potdar R, Chopra H, Haas J, Mehta S. Prevalence and Correlates of Vitamin A Insufficiency Among 12-18-Month-Old Children Living in Slums of Mumbai, India. Poster presentation for *American Society for Nutrition Live Online*, 14-16 June **2022**. *Curr Dev Nutr*. 2022 Jun 14;6(Suppl 1):580. doi: [10.1093/cdn/nzac060.038](https://doi.org/10.1093/cdn/nzac060.038). PMID: [PMC9193946](https://pubmed.ncbi.nlm.nih.gov/39193946/).
  10. **Huey SL**, Russell DG, Haas JD, Finkelstein JL, Mehta S. Nutritional Status and Vaccine Response in Children Living in Urban Slums of Mumbai (1325). Poster presentation for *American Society of Tropical Medicine & Hygiene: 69th Annual Meeting Virtual Meeting*, 30 October-3 November **2020**. ([Link](#))
  11. **Huey SL**, Russell D, Haas J, Venkatramanan S, Finkelstein J, Mehta S. Nutritional Status and Measles Antibody Titer in Children Living in Urban Slums of Mumbai (P23-009-20). Oral presentation (Flash Talk) for Nutritional Immunology and Inflammation Research Interest Section Forum, *American Society*



- for Nutrition*, 1-4 June 2020. *Curr Dev Nutr.* 2020 May 29;4(Suppl 2):1524. doi: [10.1093/cdn/nzaa068\\_009](https://doi.org/10.1093/cdn/nzaa068_009). PMID: [PMC7259266](https://pubmed.ncbi.nlm.nih.gov/3259266/).
12. **Huey SL**, Hackl L, Venkatramanan S, Haas J, Udipi S, Ghugre P, Thakker V, Chopra H, Potdar R, Finkelstein J, Mehta S. Nutrient-Dense Meal Delivery in Partnership with Small-Scale Producers in Mumbai Urban Slums: Implementation Considerations Within a Randomized Controlled Feeding Trial (P14-049-20). Poster presentation for *American Society for Nutrition Live Online*, 1-4 June 2020. *Curr Dev Nutr.* 2020 May 29;4(Suppl 2):844. doi: [10.1093/cdn/nzaa053\\_049](https://doi.org/10.1093/cdn/nzaa053_049). PMID: [PMC7258278](https://pubmed.ncbi.nlm.nih.gov/3258278/).
  13. Rajagopalan K, **Huey SL**, Venkatramanan S, Udipi S, Thakker V, Thorat A, Potdar R, Haas J, Finkelstein J, Mehta S. Biomarkers of Inflammation in the Context of Acute Illness Among Children 12-24 Months of Age Living in the Urban Slums of Mumbai (P23-019-20). Poster presentation for *American Society for Nutrition Live Online*, 1-4 June 2020. *Curr Dev Nutr.* 2020 May 29;4(Suppl 2):1534. doi: [10.1093/cdn/nzaa068\\_019](https://doi.org/10.1093/cdn/nzaa068_019). PMID: [PMC7259181](https://pubmed.ncbi.nlm.nih.gov/3259181/).
  14. Fothergill A, **Huey SL**, Haas J, Udipi S, Ghugre P, Thakker V, Chopra H, Potdar R, Mehta S, Finkelstein J. Anemia and Micronutrient Deficiencies in Young Children in Urban Slums of Mumbai, India (P14-033-20). Poster presentation for *American Society for Nutrition Live Online*, 1-4 June 2020. *Curr Dev Nutr.* 2020 May 29;4(Suppl 2):828. doi: [10.1093/cdn/nzaa053\\_033](https://doi.org/10.1093/cdn/nzaa053_033). PMID: [PMC7257590](https://pubmed.ncbi.nlm.nih.gov/3257590/).
  15. **Huey SL**, Rajagopalan K, Venkatramanan S, Udipi S, Thakker V, Thorat A, Potdar R, Haas J, Finkelstein J, Knight R, Mehta S. Diet and the Gut Microbiome in 10-18-Month-Old Children Living in Urban Slums of Mumbai, India (OR01-08-19). Oral presentation at *American Society for Nutrition*, Baltimore, 8-11 June 2019. *Curr Dev Nutr.* 2019 Jun 13;3(Suppl 1):nzz040.OR01-08-19. doi: [10.1093/cdn/nzz040.OR01-08-19](https://doi.org/10.1093/cdn/nzz040.OR01-08-19). PMID: [PMC6574231](https://pubmed.ncbi.nlm.nih.gov/326574231/).
  16. Rajagopalan K, **Huey SL**, Venkatramanan S, Udipi S, Thakker V, Thorat A, Potdar R, Haas J, Finkelstein J, Mehta S. Nutrient Intake and Adequacy Among Children 12-18 Months of Age in the Urban Slums of Mumbai, India (P11-093-19). Poster presentation for *American Society for Nutrition*, Baltimore, 8-11 June 2019. *Curr Dev Nutr.* 2019 Jun 13;3(Suppl 1):nzz048.P11-093-19. doi: [10.1093/cdn/nzz048.P11-093-19](https://doi.org/10.1093/cdn/nzz048.P11-093-19). PMID: [PMC6578351](https://pubmed.ncbi.nlm.nih.gov/326578351/).
  17. **Huey SL**, Mehta S, on behalf of the Project Sabal Team. Gut microbiome in 10-18-month-old children living in urban slums of Mumbai. Poster presentation for *Keystone C3: Microbiome: Chemical Mechanisms and Biological Consequences*, Montreal, 10-14 March 2019.
  18. **Huey SL**, Finkelstein JL, Venkatramanan S, Udipi SA, Ghugre P, Thakker V, Potdar RD, Chopra H, Kurpad AV, Haas JD, Mehta S. Undernutrition in Young Children Living in Urban Slums of Mumbai, India: Prevalence and Correlates (P13-063). Poster presentation for *American Society for Nutrition*, Boston, 9-12 June 2018. In: *Maternal, Perinatal, and Pediatric Nutrition*. *Curr Dev Nutr.* 2018 Jul 4;2(11):nzy040. doi: [10.1093/cdn/nzy040](https://doi.org/10.1093/cdn/nzy040). PMID: [PMC6265818](https://pubmed.ncbi.nlm.nih.gov/326265818/).
  19. **Huey SL**, Powis LE, Venkatramanan S, Udipi S, Finkelstein JL, Ghugre P, Haas J, Mehta S. 144/1868 Pre-intervention characterization of nutritional status to estimate burden and potential to benefit among mothers and their children living in urban slums of Mumbai, India (144/186). Poster presentation for

- 21st International Union of Nutritional Sciences - International Congress of Nutrition (IUNS-ICN)*, Buenos Aires, 15-20 October **2017**. *Ann Nutr Metab* 2017;71(suppl 2):575. doi: [10.1159/000480486](https://doi.org/10.1159/000480486).
20. Venkatramanan S, **Huey SL**, Powis LE, Finkelstein JL, Udipi SA, Ghugre P, Haas JD, Mehta S. 144/2018 Contribution of complementary foods to energy and nutrient intakes among children living in the urban slums of Mumbai, India (144/2018). Poster presentation for *21st International Union of Nutritional Sciences - International Congress of Nutrition (IUNS-ICN)*, Buenos Aires, 15-20 October **2017**.
  21. **Huey SL**, Udipi S, Finkelstein JL, Ghugre P, Haas J, Thakker V, Thorat A, Salvi A, Kurpad AV, Mehta S. Acceptability of iron biofortified pearl millet among young children in urban slums of Mumbai, India (914.2). Poster presentation at *American Society for Nutrition Scientific Sessions & Annual Meeting at Experimental Biology*, San Diego, 2-6 April **2016**. *The FASEB Journal*, 30: 914.2-914.2. doi: [10.1096/fasebj.30.1\\_supplement.914.2](https://doi.org/10.1096/fasebj.30.1_supplement.914.2).
  22. Venkatramanan S, Haas JD, Finkelstein JL, Salvi A, Thorat A, **Huey SL**, Udipi SA, Ghugre P, Kurpad AV, Mehta S. Dietary Intake and Nutritional Status in Infants from the Urban Slums of Mumbai, India (891.14). Poster presentation at *American Society for Nutrition Scientific Sessions & Annual Meeting at Experimental Biology*, San Diego, 2-6 April **2016**. *The FASEB Journal*, 30: 891.14-891.14. doi: [10.1096/fasebj.30.1\\_supplement.891.14](https://doi.org/10.1096/fasebj.30.1_supplement.891.14).
  23. **Huey SL**, Hale AB. The Relative Impact of Bacteriophages CøSL1, CøSL2, and CøMD3 on the Growth of *Escherichia coli* (106). Oral presentation at *89<sup>th</sup> Annual Meeting of the Pennsylvania Academy of Science*, Bradford, 5-7 April **2013**. *Journal of the Pennsylvania Academy of Science*, 87(2):84-85. doi: [10.5325/jpennacadscie.87.2.0070](https://doi.org/10.5325/jpennacadscie.87.2.0070).
  24. **Huey SL**, Hale AB. Free Phage and Infected Hosts: The Relationship Between Time and Adsorption. Oral presentation at *88<sup>th</sup> Annual Meeting of the Pennsylvania Academy of Science*, Allentown 30 March-1 April **2012**. *Journal of the Pennsylvania Academy of Science*, 86(2):117-118. doi: [10.5325/jpennacadscie.86.2.0098](https://doi.org/10.5325/jpennacadscie.86.2.0098).
  25. **Huey SL**, Liu X, Quann E, Huse M. Roles of dynactin and dynein in MTOC repolarization of CD4<sup>+</sup> helper T cells. Poster presentation at *Memorial Sloan Kettering Cancer Center (MSKCC) Summer Undergraduate Research Program (SURP) Poster Session*, New York City, 15 August **2011**.

## RESEARCH EXPERIENCE

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**Postdoctoral experience, Cornell University**

2020-2023

Division of Nutritional Sciences

*Adviser (2022-2023):* Julia Finkelstein, S.M., Sc.D

*Adviser (2020-2022):* Saurabh Mehta, M.B.B.S., Sc.D.

*Focus:* My research interests include examining the **connections between nutrition, the gut microbiota and immune function in maternal and child health** and in particular

how **precision nutrition** may apply in this context, which I am investigating in participants of a recent randomized controlled feeding trial in the urban slums of Mumbai. I conduct systematic and narrative literature reviews on micronutrients, biofortification, obesity, precision nutrition, diagnostic test accuracy, the gut microbiome, and maternal and child health. I am also a scientific point of contact for the NIH Nutrition for Precision Health (NPH) Research Coordinating Center (RCC), co-led by Cornell and RTI International.

- Ph.D. Student, Cornell University** 2013-2020  
 Division of Nutritional Sciences  
*Chair:* Saurabh Mehta, M.B.B.S., Sc.D.  
*Committee:* Jere Haas, Ph.D.; Julia Finkelstein, Sc.D.; David Russell, Ph.D.  
*Dissertation:* *Nutrition, Gut Microbiota, and Immune Response Among Children in Urban Slums of Mumbai.* DOI: [10.7298/15rd-7z88](https://doi.org/10.7298/15rd-7z88).
- Graduate Research Assistant, Cornell University; Mumbai, India** 2014-2018  
 Country experience: Mumbai, India (fieldwork, 2014-2018)  
*Adviser:* Saurabh Mehta, M.B.B.S., Sc.D.
- Project:* Effect of iron- and zinc-biofortified pearl millet consumption on growth and immune competence in children aged 12 to 18 months in India (NCT: [NCT02233764](https://clinicaltrials.gov/ct2/show/study/NCT02233764))  
*Responsibilities:* Submitted IRB and governmental clearances; trained staff in data collection and ethics; designed data collection forms; collected, managed, analyzed data; wrote technical and progress reports; oversaw recipe development and food storage; conducted DSMB meetings; mentored interns as study coordinators; managed logistics for food delivery chain to 20 urban slum study sites
  - Project:* Effect of a Biofortified Food Basket on Micronutrient Status and Immune and Cognitive Function among Infants in India (NCT: [NCT02648893](https://clinicaltrials.gov/ct2/show/study/NCT02648893))  
*Responsibilities:* Edited project proposal; submitted IRB and governmental clearances; participated in preliminary meetings with funders and crops managers; consulted on logistical and data collection conduct
- Independent Student Researcher & Research Director, Cedar Crest College** 2010-2013  
*Adviser:* Alan Hale, Ph.D.  
*Biology Major Thesis:* Growth dynamics of SL1, SL2, and MD3 coliphages and their host, *Escherichia coli*. Awarded *summa cum laude*.
- Honors Program, Cedar Crest College** 2009-2013  
*Adviser:* Barbara Carlson, M.A., R.D., C.D.E.  
*Honors Program Thesis:* The Nutrition Transition in China: History, Mechanisms, and Current Solutions

<b>Global Diseases Minor, Cedar Crest College</b>	2009-2013
<i>Adviser:</i> Alan Hale, Ph.D.	
<i>Global Diseases Minor Thesis:</i> Solving Haojiping Village's Sanitation Problem to Prevent Future Disease	
<b>Summer Undergraduate Researcher, Memorial Sloan-Kettering Cancer Center</b>	2011
<i>Advisers:</i> Morgan Huse, Ph.D.; Xin Lu, Ph.D.	
<i>Project:</i> Roles of dynactin and dynein in MTOC repolarization of CD4 <sup>+</sup> helper T cells (poster)	
<b>First-Year Student Researcher, Cedar Crest College</b>	2010
<i>Adviser:</i> John Cigliano, Ph.D.	
<i>Project:</i> Determining possible primary hosts of the brown marmorated stink bug, <i>Haylomorpha halys</i> (oral presentation)	
<b>Career shadowing, FXB Center at the University of Medicine &amp; Dentistry of NJ</b>	2009
<i>Project:</i> Observed public health doctors and researchers who work to enable HIV/AIDS-related clinical care, education, and technical assistance in the United States and globally	

## PROFESSIONAL AFFILIATIONS

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New York Academy of Sciences (NYAS), member	2019-present
American Association for the Advancement of Science (AAAS), member	2013-present
American Society of Nutrition (ASN), member	2013-present
American Society of Tropical Medicine and Hygiene (AJTMH), member	2013-present
American Chemical Society (ACS), member	2011-2013

## SERVICE, OUTREACH, and ACTIVITIES

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<b>American Society for Nutrition Abstract Reviewer</b>	2024
<i>Role:</i> Reviewed 14 abstracts for eligibility for Nutrition 2024 conference	
<b>Latest Efficacy and Safety Studies: session at Micronutrient Forum 2023, The Hague</b>	2023
<i>Role:</i> Session chair and moderator	
<b>Responsible Conduct of Research Symposium: Ethical Considerations in Mentorship</b>	2023
<i>Role:</i> Discussion Group Leader; guided conversation on 4 related case studies	
<b>Grad Chats: Conversations on International Research and Practice: Best Practices and Challenges in International Research - Organized by Mario Einaudi Center for International Studies</b>	2023
<i>Role:</i> Panelist; discussed challenges and lessons learned during Mumbai fieldwork with graduate students preparing to go to the field	

<b>American Society for Nutrition Abstract Reviewer</b>	2023
<i>Role: Reviewed 15 abstracts for eligibility for Nutrition 2023 conference</i>	
<b>American Society for Nutrition Vitamins and Minerals Research Interest Group</b>	2022-present
<i>Role: Early Career Representative</i>	
<b>Academic Advisor, Cornell University</b>	2022-2023
<i>Role: Advise undergraduate students in the Human Biology, Health and Society major program in course selections and extracurricular activities.</i>	
<b>NIH Nutrition for Precision Health (NPH) Study, Research Coordinating Center (RCC)</b>	2022-present
<i>Co-Led by Cornell University and Research Triangle Institute</i>	
<i>Role: Data &amp; Analytics Team, NIH Nutrition for Precision Health (NPH) Research Coordinating Center (RCC)</i>	
<i>Responsibilities: Protocol development; presentation slide preparation, participation in working groups (WGs) [AI-Ready Data Working Group (WG); Data Subcommittee WG; Data Flow and Interoperability WG; Data Management WG; Test Diets WG; Mixed Meal Tolerance Test (MMTT) WG; Physical Measures WG; Research Coordinator WG]</i>	
<b>BOND-KIDS Consortium</b>	2022-present
<i>Responsibilities: Contribute to Biomarkers of Nutrition for Development - Knowledge Indicating Dietary Sufficiency Assessment Report</i>	
<b>Presenter, Skype a Scientist Volunteer Program</b>	2021
<i>Ellis Mendell Elementary, Boston, MA</i>	
<i>Instructor: Elizabeth Hadly</i>	
<i>Role: Presented a 5<sup>th</sup>-grade level summary of my own research in microbiology, epidemiology, and the gut microbiome to 1 class</i>	
<i>Good Shepherd Episcopal School, Dallas, TX</i>	
<i>Instructor: Krystin Blount</i>	
<i>Role: Presented a 4<sup>th</sup>-grade level introduction to nutrition, food groups, and macro- and micronutrients to 4 classes</i>	
<b>Interviewer, Program in International Nutrition (PIN) Podcast</b>	2021-2022
<i>Cornell University, Ithaca, NY; <a href="https://pin.transistor.fm">https://pin.transistor.fm</a></i>	
<b>Ad hoc peer reviewer</b>	2013-present
Advances in Nutrition (AN)	
BioMedCentral (BMC) Pediatrics	
Childhood Obesity	
Clinical Nutrition	
Cochrane Database of Systematic Reviews (CDSR) - Content Peer Reviewer	
Critical reviews in food science and nutrition (CRFSN)	

Current research in translational medicine (CRTM)  
EBioMedicine  
European Journal of Clinical Nutrition (EJCN)  
International Journal of Environmental Research and Public Health (IJERPH)  
The Journal of Nutrition (JN)  
Journal of Tropical Pediatrics (JTP)  
Journal of Health, Population and Nutrition (JHPN)  
Maternal and Child Health Journal (MCHJ)  
Nature Communications  
PLOS ONE  
The Pediatric Infectious Disease Journal (PIDJ)

**Member and speaker, Program in International Nutrition Seminar Group** 2013-present

*Cornell University, Ithaca, NY*

*Presentations:*

- “Nutrition & Gut Microbiome in Children, 2021”
- “Steps for developing a Cochrane systematic review, 2019”
- “Completing Fieldwork in Mumbai: Summer 2018”
- “Summer 2017 Fieldwork”

**Member and speaker, Maternal and Child Nutrition Research Forum** 2013-present

*Cornell University, Ithaca, NY*

*Presentations:*

- “Work in Progress: Nutrition and Gut Microbiota Development in Early Childhood, 2023”
- “Work in Progress: Gut Microbiome Research, 2022”
- “Update to the Sustainable Development Goals, 2022”
- “Round-Robin Work in Progress: Biofortification Systematic Reviews, 2022”
- “Progress: Thesis Updates, 2019”
- “Dissertation Updates, 2018”
- “Thesis Update, 2017”

**Guest speaker** 2020

*Nutley Rotary Club, Nutley, New Jersey*

*Presentation: “COVID-19 Updates: Nutley Rotary Meeting, June 4, 2020”*

**GRASSHOPR Graduate Student School Outreach Program** 2014

*Cassavant Elementary School, Freeville, NY*

*Instructors: Terri Siwula & Cindy Roberson*

*Role: Co-developed a course, “From Farm to Fork and from Grass to Glass” and taught three 2<sup>nd</sup> & 3<sup>rd</sup> grade class sessions on food, nutrition, and ecology*

**English teacher, United Planet China Summer Program** 2012  
*Haojiping Ethnic School, Haojiping Village, Huaihua, Hunan Province, China*  
 Role: Taught English to children in 6th grade through high school living in rural Haojiping Village to increase their likelihood of passing Chinese university entrance exams; collaborated with Teaching Team comprised of both American and native Chinese teachers to plan English lessons in basic biology, chemistry, poetry, and music

## MENTORING EXPERIENCE [undergraduate unless noted; \*participated in >1 project]

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### Project: NS 7030 Seminar Presentation on journal article (PMID: 37029406)

\*Mentee: Yue Jin (*MS Nutrition student, class of 2024, Cornell University*) 2024

### Project: WHO Diagnostic Test Accuracy of hemoglobin assessment in populations

Mentee: Nidhi Shrestha (*MS Nutrition graduate and research assistant, Cornell University*) 2023-present

### Project: Mumbai Trial Gut Microbiome Data

\*Mentee: Nathaniel Cole (*Postdoctoral Fellow*) 2023-present

### Project: Diet & Microbiome - A Systematic Review

Mentee: Esha Shakthy (*Nutritional Sciences, class of 2025, Cornell University*) 2023-present

\*Mentee: Yue Jin (*Dietetic Intern, class of 2023, Cornell University*) 2023-present

Mentee: Nikita Agarwal (*Food Science PhD student, class of 2023, Cornell University*) 2022-2023

\*Mentee: Shah Mohammad Fahim (*Nutrition PhD student, Cornell University*) 2022-2023

### Project: WHO Obesity in Children and Adolescents Systematic Reviews

\*Mentee: Shah Mohammad Fahim (*Nutrition PhD student, Cornell University*) 2022-present

Mentee: Kripa Rajagopalan (*Nutrition PhD Student, Cornell University*) 2022-present

\*Mentee: Yue Jin (*Dietetic Intern at Cornell University*) 2022-present

*Post-grad: Masters in Nutrition student at Cornell University (class of 2024).*

\*Mentee: Neel H. Mehta (*Biology & English, class of 2023, Cornell University*) 2021-2023

*Post-grad: Medical student at Harvard Medical School*

Mentee: Ruth S. Steinhouse (*Global & Public Health, class of 2024, Cornell University*) 2022-2023

Mentee: Alice Yu (*Global & Public Health, class of 2023, Cornell University*) 2022

*Post-grad: Business Analyst at McKinsey & Co.*

Mentee: Jesus Rivera-Zamudio (*Biology; class of 2025, Cornell University*) 2022

### Project: Biofortification: Systematic Reviews

Mentee: Saiful Islam (*MS Human Nutrition Evidence for Policy Making, Cornell University*) 2022-2023

*Post-grad: Assistant Professor in Bangladesh*

\*Mentee: Neel H. Mehta (*Biology & English, class of 2023, Cornell University*) 2021-2023

*Post-grad: Medical student at Harvard Medical School*

Mentee: Elsa M. Konieczynski (*Biology & Sociology; class of 2022, Cornell University*) 2021-2022

*Post-grad: Research Coordinator, Tufts University*

Mentee: Arini Bhargava (*class of 2023, George C. Marshall High School*) 2021-2022

*Post-grad: Undergraduate at Carnegie-Mellon University*

#### **WHO/Cochrane/Cornell Summer Institute Mentor**

Mentee: Jesse T. Krisher, MS (*course participant*) 2021

Mentee: Christina Johnson (*course participant*) 2021

Mentee: Stephanie Whiteman (*course participant*) 2021

#### **Project: Vitamin D and Vaccine Response: Literature Review**

Mentee: Andrea Robinson (*Nutrition PhD student, Cornell University*) 2020-2021

#### **Project: Mumbai trial data cleaning, entry and management**

Mentee: Miranda Lavery (*Biology, class of 2021, Cornell University*) 2018

*Post-grad: NIH PREP Scholar at Case Western Reserve University School of Medicine*

Mentee: Emma Dhimitri (*Nutrition, class of 2021, Cornell University*) 2018

*Post-grad: Public Health Analyst at RTI International*

Mentee: Olivia Pietz (*Biology; class of 2022, Cornell University*) 2018

*Post-grad: Graduate student, Princeton University*

Mentee: Deja Gilliam (*Biology; class of 2021, Cornell University*) 2018

*Post-grad: Medical Student, Eastern Virginia Medical School*

Mentee: Simran Mahanta (*Biology; class of 2021, Cornell University*) 2018

*Post-grad: Medical school*

Mentee: Rona Yoon (*Global & Public Health; class of 2020, Cornell University*) 2017-2018

*Post-grad: ORISE Fellow, CDC; Consultant, John Snow, Inc.*

Mentee: Phoebe Ilevbare (*Biology; class of 2020, Cornell University*) 2018

*Post-grad: Research assistant, Christiansen Psychology Lab*

Mentee: Victoria Lazarov (*Global & Public Health, class of 2019, Cornell University*) 2017

*Post-grad: Operations Coordinator, Lighthouse Medical Clinic*

#### **Project: Interim Mumbai trial assistant study coordination**

Mentee: Yadurshini Raveendran (*Post-bac in Biology, class of 2017, Albany University*) 2017-2018

*Post-grad: Clinical Trial Associate, FHI Clinical, Inc.*

Mentee: Laura Powis (*Post-bac in Human Development; class of 2016, Cornell University*) 2016-2017

*Post-grad: Program Manager, Association of Maternal and Child Health Programs*

#### **Project: Vitamin D and Stunting: Cochrane Systematic Review**

Mentee: Nina Acharya (*Biology, class of 2019, Cornell University*) 2016-2019

*Post-grad: Rhodes Scholarship recipient; medical student, McMaster University*

Mentee: Ashley Silver (*Biology, class of 2018, Cornell University*) 2016-2018

*Post-grad: Medical student, University of Virginia*

Mentee: Risha Sheni (*Global & Public Health, class of 2018, Cornell University*) 2016-2018

*Post-grad: Master's student, Albert Einstein College of Medicine*



Mentee: Jheel Shah (*Biology, class of 2019, Cornell University*) 2016-2017  
 Post-grad: *Public Information Intern, UN Environment Programme*

**Project: Journal article presentation (PMID: 23966330)**

Mentee: Madeleine Wood (*Biology, class of 2016, Cornell University*) 2014  
 Post-grad: *Research Assistant, TB Research Unit at Weill Cornell Medicine*

## TEACHING EXPERIENCE

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**Guest-Lecturer, Cornell University** 2024

*Course:* NS 6140 Maternal and Child Health and Nutrition  
*Professor:* Julia Finkelstein, Sc.D.; class size: 12 students  
*Responsibilities:* Lecture: *Precision Nutrition in Maternal and Child Health*

**Guest-Lecturer, Cornell University** 2023

*Course:* FSAD 3200 Global Textile and Apparel Sustainability  
*Professor:* Margaret Frey, Ph.D.; class size: 50 students  
*Responsibilities:* Lecture: *SDG 2 and the Textile Industry in India*

**Guest-Lecturer, Cornell University** 2023

*Course:* NS 6200 Translational Research & Evidence-based Policy and Practice in Nutrition  
*Professor:* Julia L. Finkelstein, S.M., Sc.D.; class size: 20 students  
*Responsibilities:* Co-lecture: *Evidence Synthesis: Risk of Bias, Meta-Analysis, Heterogeneity*

**Guest-Lecturer, Cornell University** 2022

*Course:* FSAD 3200 Global Textile and Apparel Sustainability  
*Professor:* Margaret Frey, Ph.D.; class size: 50 students  
*Responsibilities:* Lecture: *Nutrition and the Textile Industry in India*

**Guest-Lecturer, Cornell University** 2022

*Course:* NS 3060 Nutrition and Global Health  
*Professor:* Saurabh Mehta, Sc.D.; class size: 100 students  
*Responsibilities:* Lecture: *Nutrition and the Gut Microbiome in Children*

**Guest-Lecturer, Cornell University** 2021

*Course:* NS 6200 Translational Research & Evidence-based Policy and Practice in Nutrition  
*Professors:* Patricia Cassano, Ph.D. and Corinna Noel, Ph.D.; class size: 12 students  
*Responsibilities:* Co-lecture: *Evidence Synthesis: Risk of Bias, Meta-Analysis, Heterogeneity*

**Teaching Fellow, Cornell University** 2020

*Course:* NS 6520 Foundations of Epidemiology  
*Professor:* Patricia Cassano, Ph.D.; class size: 19 students  
*Responsibilities:* Lecture: *COVID-19 and Epidemiology*; managed course website and grading (software: Canvas, GradeScope); assisted students with course concepts

- Guest-Lecturer, Cornell University** 2019  
*Course:* NS 3060 Nutrition and Global Health  
*Professor:* Saurabh Mehta, M.B.B.S., Sc.D.; class size: 100 students  
*Responsibilities:* Lecture: *Human Microbiome and Maternal/Child Health*
- Graduate Teaching Assistant, Cornell University** 2018  
*Course:* NS 3030 Vegetarian Diets  
*Professor:* Charles McCormick, Ph.D.; class size: 80 students  
*Responsibilities:* Co-lecture: *Epidemiology*; led discussion section on Epidemiology concepts; communicated via e-mail/meetings to help students understand material; wrote exams, assignments; held review sessions; student feedback and help (review sessions); evaluation and grading
- Guest-Lecturer, Cornell University** 2017  
*Course:* NS 3060 Nutrition and Global Health  
*Professor:* Saurabh Mehta, M.B.B.S., Sc.D.; class size: 100 students  
*Responsibilities:* Co-Lecture: *Human Microbiome and Maternal/Child Health*
- Graduate student panel speaker, Cornell University** 2017  
*Course:* NS 1200 Career Exploration  
*Professor:* Julia Felice, Ph.D.; class size: 25 students  
*Responsibilities:* Discussed career paths with undergraduates taking course
- Graduate Teaching Assistant, Cornell University** 2017  
*Course:* NS 2060 Preparation for Engaged Learning  
*Professor:* Kate Dickin, Ph.D.; class size: 44 students  
*Responsibilities:* Lecture: "*Ethics and Photography in the Field*"; supervised 4 undergraduate teaching assistants; managed course websites; evaluation and grading
- Lead Trainer in Maternal and Child Anthropometry, Cornell University** 2016-2017  
*Responsibilities:* Led 4 anthropometry measurement trainings: in Mumbai with local field research assistants February '16, June '17, and at Cornell with graduate students and post-docs May '16, August '17
- Graduate Teaching Assistant, Cornell University** 2016  
*Course:* NS 1150 (lecture) and NS 1160 (recitation) Nutrition, Health, and Society  
*Professor:* David Levitsky, Ph.D.; class size: 425 students  
*Responsibilities:* Taught weekly recitation sessions; held weekly office hours to help students understand material; evaluated student projects; collaborated in writing, proctoring and grading exams
- Graduate Assistant, Cornell University** 2015-2016  
*Course:* NS 3600 Epidemiology  
*Professor:* Julia Finkelstein, Sc.D.  
*Responsibilities:* Proctored exams and graded exams and projects

<b>Graduate Teaching Assistant, Cornell University</b>	2014
<i>Course:</i> NS 3150 Obesity and Body Weight Management	
<i>Professor:</i> David Levitsky, Ph.D.; class size: 400 students	
<i>Responsibilities:</i> Assisted students with course material; managed course website; evaluated student projects; proctored and graded exams	
<b>Graduate Teaching Assistant, Cornell University</b>	2013
<i>Course:</i> NS 3060 Nutrition and Global Health	
<i>Professor:</i> Saurabh Mehta, Sc.D.; class size: 60 students	
<i>Responsibilities:</i> Evaluated student projects; proctored and graded exams; managed course website (software: Blackboard); held weekly office hours to help students understand material	
<b>Tutor, Cedar Crest College</b>	2013
<i>Course:</i> CHE 307 Nutritional Biochemistry	
<i>Professor:</i> Marianne Staretz, Ph.D.	
<i>Responsibilities:</i> Assisted students with nutritional biochemistry course material and homework questions	
<b>Instructional Assistant, Cedar Crest College</b>	2012
<i>Course:</i> BIO 227 Microbiology Lecture & Lab	
<i>Professor:</i> Amy J. Reese, Ph.D.	
<i>Responsibilities:</i> Taught lecture on antibiotic resistance; advised students on how to study more effectively; held weekly instructional sessions to reinforce what was learned in class; assisted professor at twice-weekly lab sessions	
<b>Teaching assistant, Cedar Crest College</b>	2012-2013
<i>Course:</i> BIO 227 Microbiology Lecture	
<i>Professor:</i> Amy J. Reese, Ph.D.	
<i>Responsibilities:</i> Held weekly instructional review sessions for microbiology topics	

## PROFESSIONAL DEVELOPMENT

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<b>CareerVolt NIH Grant Writing Bootcamp</b>	2024
<i>Cornell University, Ithaca, NY</i>	
<b>New England Future Faculty Workshop</b>	2022
<i>Northeastern University, Boston, MA</i>	
<b>NextGen Professors Program</b>	2020-2021
<i>Cornell University, Ithaca, NY</i>	
<b>Postdoctoral Leadership Program (ACDEV600)</b>	2020-2021
<i>Cornell University, Ithaca, NY</i>	

**Leadership Assessment for Managers (Course: ILRHR 7451)** 2019  
*Cornell University, Ithaca, NY*

## **ADDITIONAL COURSEWORK, TRAINING and CERTIFICATIONS**

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**DIB IEA 1004 What Now? I know that was a problem, now what do I do?** 2024  
*Cornell University, Ithaca, NY*

**DIB IEA 1003 What Was THAT? How can I tell if bias is showing up?** 2024  
*Cornell University, Ithaca, NY*

**Course: Causal Diagrams: Draw Your Assumptions Before Your Conclusions (PH559x)** 2021  
*Dr. Miguel Hernán, Harvard University, online (HarvardX)*

**Reporting guidelines: simple and powerful tools to increase the impact and visibility of your research** 2021  
*Pan American Health Organization (PAHO), online*

**Course: Writing in the Sciences** 2021  
*Dr. Kristin Sainani, Stanford University, online (Coursera)*

**Building Mentorship Skills** 2021  
*Cornell University, Ithaca, NY*

**Research Mentoring Strategies for a Successful Summer** 2021  
*Cornell University, Ithaca, NY*

**Course: Bioinformatics (BIOL-40236)** 2020  
*University of California San Diego, online*

**Teaching & Learning in the Diverse Classroom** 2020  
*Cornell University, Ithaca, NY*

**Teaching Portfolio Institute** 2020  
*Cornell University, Ithaca, NY*

**Practical Linux Examples in Bioinformatics (BioHPC Course)** 2018  
*Cornell University, Ithaca, NY*

**Food Frequency Questionnaire and 24-hour Dietary Recall (South India) training** 2017  
*St. John's Research Institute, Bangalore, India*

**Ethical Issues & Professional Responsibility (BIOMG 7510)** 2017  
*Cornell University, Ithaca, NY*

**Shadowing: RNA sequencing samples in Biotech Core Facility** 2016  
*Cornell University, Ithaca, NY*

**Strategies and Techniques for Analyzing Microbial Population Structure (STAMPS)** 2016

<i>Marine Biological Laboratory, Woods Hole, MA</i>	
<b>Hazard Analysis Critical Control Point (HACCP Food Safety Course) - 16 hours</b>	2016
<i>SNDT Women's University Juhu Campus, Mumbai</i>	
<b>Anthropometric assessment training: maternal and child (advisor: Jere Haas)</b>	2016
<i>Cornell University, Ithaca, NY</i>	
<b>BMJ How to Write &amp; Publish a Study Protocol (CPD/CME credit - 5 hours)</b>	2015
<i>British Medical Journal, online</i>	
<b>Environmental Hazards Safety: Laboratory Safety, Bloodborne Pathogens</b>	2015
<i>Cornell University, Ithaca, NY</i>	
<b>World Health Organization/Cochrane/Cornell Summer Institute for Systematic Reviews in Nutrition for Global Policy Making</b>	2015
<i>Cornell University, Ithaca, NY</i>	
<b>Annual Responsible Conduct of Research Ethics Symposium</b>	2015-2023
<i>Cornell University, Ithaca, NY</i>	
<b>Training: Dynamic assays of macrophage function (Laboratory of David Russell)</b>	2013-2014
<i>Cornell University, Ithaca, NY</i>	
<b>Center for Teaching Excellence's GET SET Teaching Certification</b>	2013
<i>Cornell University, Ithaca, NY</i>	
<b>CITI Good Clinical Practice (US FDA Focus)</b>	2013
<i>Cornell University, online</i>	
<b>CITI Good Clinical Practice: Clinical Trials Involving Investigational Medical Devices (international focus)</b>	2013
<i>Cornell University, online</i>	
<b>CITI Responsible Conduct of Research in Biomedical Sciences</b>	2013
<i>Cornell University, online</i>	
<b>CITI Human Subjects Research (IRB) Training</b>	2013
<i>Cornell University, online</i>	
<b>Pennsylvania Emergency Medical Service (EMS) Certification</b>	2010
<i>Muhlenberg College, Allentown, PA</i>	
<b>Basic Safety Level-1 (BSL) Certification</b>	2010
<i>Muhlenberg College, Allentown, PA</i>	
<b>CPR Certification</b>	2010
<i>Belleville, New Jersey</i>	

## SKILLS

## Software

SAS, Microsoft Office, Claris FileMaker Pro, Keynote, Pages, Numbers, Zoom, Teams, Skype, RevMan 5.4, RevMan Web, Covidence, QIIME 2, Qiita, PICRUSt, Blackboard, Canvas, GradePro, Gradescope, Digication & ePortfolio, Social Media (Twitter, Instagram, Pinterest, LinkedIn, Facebook), Excel StatPro, Sirsi Integrated Library System

## Languages

English (Native)  
French (CEFR A2 level proficiency)  
Hindi (Elementary proficiency)

## Laboratory techniques

Preparation of molar & % solutions, media, and cultures  
Micro-pipetting & serial dilutions  
Top agar overlay  
Gel electrophoresis  
Western blot  
Cell tissue culture  
PCR & restriction digest  
Bacteria mini/maxi preps  
Mouse euthanization and dissection  
Microbiological techniques  
Plate reader & SkanIt software  
Microscopy  
FACS  
Organic chemistry techniques

## OTHER WORK EXPERIENCE

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**Program in International Nutrition (PIN) Assistant, Cornell University**

2017

*Supervisor:* Kate Dickin, Ph.D.

*Responsibilities:* Managed social media outreach for PIN seminar speakers, designed display and handouts for International Education Week 2017, set up audio/visual technology for seminar speakers