

Curriculum Vitae

Aliye B. Cepni, PhD
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EDUCATION

Post doctorate	2024	Exercise Science, University of South Carolina, Columbia, SC
PhD	2023	Kinesiology, University of Houston, Houston, TX
BS	2018	Nutrition and Dietetic, Hacettepe University, Ankara, TR

RESEARCH SUPPORT

K99HD116929 NIH/NICHD Evaluating the Impact of the Summer Youth Employment Program (SYEP) to Prevent Accelerated Summer BMI Gain among Adolescents	Cepni (PI)	Received IF Score: 43 Requested: \$977,212
1R01DK133169 NIH/NIDDK Increasing Low-income Children's Access to Healthy Structured Programming to Reduce Obesity	Weaver (PI) Role: Postdoctoral Fellow	2023-present \$3,262,435
1R01DK133248 NIH/NIDDK Identifying the ideal dose of structured summer programming for mitigating accelerated summer BMI gain	Weaver (PI) Role: Postdoctoral Fellow	2023-present \$3,503,769
Unnumbered The AthLife Foundation, Inc. Development of a quality-of-life measurement for high-school athletes	Johnston (PI) Role: Co-investigator	2022-2023 \$10,000
Unnumbered External Donation Active Children Enhance Learning and Attention (ACCELERATION)	Johnston (PI) Role: Co-investigator	2021-2023 \$150,000
Unnumbered The AthLife Foundation, Inc. Mentoring High School Student Athletes for Healthy Lifestyles	Cepni (PI)	2021-2022 \$20,000

OTHER SUPPORT

Project 1:	Disentangling the complex interplay of barriers and facilitators to activity behaviors of low-income Hispanic adolescents
Awardee:	Cepni, AB
Award:	\$1,000
Source:	ISBNPA Annual Meeting Travel Scholarship
Goals:	This funding was provided to support the travel to the 2023 International Society of Behavioral the International Society of Behavioral Nutrition and Physical Activity Annual Meeting to participate in a symposium session presentation.
Date:	May 2022
Project 2:	A randomized controlled trial (RCT) of the impact of school-based sport program on children's activity behaviors and cognition
Awardee:	Cepni, AB

Award: \$1,000
Source: Cullen Fellowship Travel Grant
Goals: This funding was provided to support the travel to the 2023 Society of Behavioral Medicine Annual Meeting to participate in a paper session presentation.
Date: April 2023

HONORS & AWARDS

2022 Department of Health and Human Performance 2021-2022 Post-Candidacy Doctoral Student Award (\$500), University of Houston, Houston, TX
2023 SBM 2023 Citation and Meritorious Abstract Award, Society of Behavioral Medicine, Phoenix, AZ

FUNDING

2014-2018 Undergraduate Tuition Funding, Hacettepe University, Ankara, TR
2019-2023 Graduate Tuition Fellowship, University of Houston, Houston, TX
2019- 2023 Graduate Assistantship Funding, University of Houston, Houston, TX

PUBLICATIONS

In Review

- 1) **Cepni AB**, Burkart S, Zhu X, White JW 3rd, Finnegan O, Nelakuditi S, Beets M, Brown D 3rd, Pate R, Welk GJ, de Zambotti M, Ghosal R, Wang Y, Armstrong B, Adams EL, van Hees V, Weaver RG. Evaluating the performance of open-source and proprietary processing of actigraphy sleep estimation in children with suspected sleep disorders: A comparison with polysomnography. *Sleep*. 2024
- 2) Moran NE, Onyekwere E, **Cepni AB**, Kim H, Ledoux TA & Arlinghaus KA. Skin Carotenoids Measured by Reflection Spectroscopy Correlate with Vegetable Intake in Diverse Adolescents. *Submitted: Journal of the Academy of Nutrition and Dietetics*.
- 3) Lopez, T, **Cepni AB**, Goodman LP, Arlinghaus KR, Wiesner M, Johnston CA, Haubrick K, & Ledoux TA. Development of the two-factor modified Kids Eating Disorder Survey (M-KEDS): A validation study with Hispanic adolescents. *Submitted: Nutrition Journal*.

Peer-Reviewed Publications

- 16) **Cepni AB**, Walsh DW, Hanjoe K, Yoon CY, Hughes SO, Ledoux TA & Johnston CA. Assessing the Efficacy of Sport-Based Physical Education on Children's Activity Behaviors: A Randomized Controlled Trial. *Journal of Physical Activity and Health*. 2024
- 15) **Cepni AB**, Vilson R, Helbing RR, Walsh DW, Johnston CA, Yoon CY, Hughes SO, Ledoux TA. [The most optimal school recruitment strategies for school-based obesity prevention and health promotion research in the United States: A systematic review with Delphi study](#). *Obes Rev*. 2024 Jul 20;:e13808. doi: 10.1111/obr.13808. [Epub ahead of print] Review. PubMed PMID: 39032149.
- 14) **Cepni AB**, Power TG, Ledoux TA, Vollrath K, Hughes SO. [The longitudinal relationship between diet quality and executive functioning development of Hispanic preschoolers in Houston, Texas](#). *J Acad Nutr Diet*. 2024 May 31;. doi: 10.1016/j.jand.2024.05.014. [Epub ahead of print] PubMed PMID: 38825045.
- 13) Finnegan OL, Weaver RG, Yang H, White JW, Nelakuditi S, Zhong Z, Ghosal R, Tong Y, **Cepni AB**, Adams EL, Burkart S. Advancing Objective Mobile Device Use Measurement in Children Ages 6–11 Through Built-In Device Sensors: A Proof-of-Concept Study. *Human Behavior and Emerging Technologies*. 2024;2024(1):5860114.

- 12) Weaver RG, Chandrashekhar MVS, Armstrong B, White JW 3rd, Finnegan O, **Cepni AB**, Burkart S, Beets M, Adams EL, de Zambotti M, Welk GJ, Nelakuditi S, Brown D 3rd, Pate R, Wang Y, Ghosal R, Zhong Z, Yang H. [Jerks are Useful: Extracting pulse rate from wrist-placed accelerometry jerk during sleep in children](#). *Sleep*. 2024 May 3; . doi: 10.1093/sleep/zsae099. [Epub ahead of print] PubMed PMID: 38700932.
- 11) Varghese V, **Cepni AB**, Chang J, Kim H, Moran NE, & Ledoux TA (2023). Skin Carotenoids Measured by Reflection Spectroscopy Correlate with Dietary Carotenoid Intake in Diverse US Toddlers. *Journal of the Academy of Nutrition and Dietetics*.
- 10) Crumbley C, **Cepni AB**, Taylor A, Thompson D, Moran NE, Olvera N, O'Connor DP, Johnston CA, Ledoux TA. [Exploring Factors Associated With Accelerometer Validity Among Ethnically Diverse Toddlers](#). *Pediatr Exerc Sci*. 2023 Sep 27;:1-9. doi: 10.1123/pes.2022-0114. PubMed PMID: 37758263.
- 9) Vaughan EM, **Cepni AB**, Le UPN, Johnston CA. The Rationale and Logistics for Incorporating Community Health Workers Into the Multidisciplinary Team. *American Journal of Lifestyle Medicine*. 2023;0(0). doi:10.1177/15598276231151866
- 8) Arlinghaus KR, **Cepni AB**, Helbing RR, Goodman LP, Ledoux TA, Johnston CA. [Response to school-based interventions for overweight and obesity: A systematic scoping review](#). *Clin Obes*. 2022 Sep 21;:e12557. doi: 10.1111/cob.12557. Review. PubMed PMID: 36128952.
- 7) **Cepni AB**, Crumbley C, Nadeem S, Ledoux TA, Johnston CA. [Incorporating Nutrition Counseling into Lifestyle Medicine](#). *Am J Lifestyle Med*. 2022 May-Jun;16(3):291-294. doi: 10.1177/15598276221077224. eCollection 2022 May-Jun. PubMed PMID: 35706592; PubMed Central PMCID: PMC9189585.
- 6) **Cepni AB**, Taylor A, Crumbley C, Thompson D, Moran NE, Olvera N, O'Connor DP, Arlinghaus KR, Johnston CA, Ledoux TA. [Feasibility and Efficacy of the "FUNPALs Playgroup" Intervention to Improve Toddler Dietary and Activity Behaviors: A Pilot Randomized Controlled Trial](#). *Int J Environ Res Public Health*. 2021 Jul 23;18(15). doi: 10.3390/ijerph18157828. PubMed PMID: 34360118; PubMed Central PMCID: PMC8345510.
- 5) **Cepni AB**, Taylor A, Thompson D, Moran NE, Olvera N, O'Connor DP, Johnston CA, Ledoux TA. [Exploring qualities of ethnically diverse parents related to the healthy home environment of toddlers](#). *Appetite*. 2021 Dec 1;167:105608. doi: 10.1016/j.appet.2021.105608. Epub 2021 Jul 21. PubMed PMID: 34302899.
- 4) **Cepni AB**, Hatem C, Ledoux TA, Johnston CA. [The Importance of Health Values Among Health Care Providers](#). *Am J Lifestyle Med*. 2021 May-Jun;15(3):224-226. doi: 10.1177/1559827621992271. eCollection 2021 May-Jun. Review. PubMed PMID: 34025310; PubMed Central PMCID: PMC8120612.
- 3) Reesor-Oyer L, **Cepni AB**, Lee CY, Zhao X, Hernandez DC. [Disentangling food insecurity and maternal depression: which comes first?](#). *Public Health Nutr*. 2021 Nov;24(16):5506-5513. doi: 10.1017/S1368980021000434. Epub 2021 Feb 1. PubMed PMID: 33517950.
- 2) Lee CY, Zhao X, Reesor-Oyer L, **Cepni AB**, Hernandez DC. [Bidirectional Relationship Between Food Insecurity and Housing Instability](#). *J Acad Nutr Diet*. 2021 Jan;121(1):84-91. doi: 10.1016/j.jand.2020.08.081. Epub 2020 Oct 12. PubMed PMID: 33060025.
- 1) **Cepni AB**, Ledoux TA, Johnston CA. [Screen Media: A Powerful Reinforcement](#). *Am J Lifestyle Med*. 2020 Mar-Apr;14(2):126-129. doi: 10.1177/1559827619892543. eCollection 2020 Mar-Apr. Review. PubMed PMID: 32231475; PubMed Central PMCID: PMC7092392.

CONFERENCE PRESENTATIONS

- 1) Pluta K, **Cepni AB**, SBM Student SIG (March 2024). Student SIG Response to "Designing Behavioral Medicine Programs for Dissemination and Sustainable Practice: The Let's Eat Healthy Program." Society of Behavioral Medicine's Outlook Article Presentation.
- 2) **Cepni AB**, Zhu X, Finnegan OL, White JW, Armstrong B, Burkart S, Beets MW, Adams EL, Parker H, Bastyr M, Niako N & Weaver RG (May 2024). Evaluating the performance of open-source processing of actigraphy sleep estimation in children with sleep disruptions: A comparison with polysomnography. Oral presentation at ISBNPA 2024 Annual Meeting, Omaha, NE.

- 3) Weaver RG, Ghosal R, **Cepni AB**, Finnegan OL, White III JW, Parker H, Burkart S, Beets MW, Brown III DE, Pate RR, de Zabmbotti M, Welk G, Nelakuditi S, Wang Y, Armstrong B, Adams EL, Zhu X, Savidge M, Niako N (May 2024). Predicting physical activity energy expenditure from consumer wearable accelerometry and heart rate data in children. Abstract presented at the annual meeting of the International Society of Behavioral Nutrition and Physical Activity, Omaha, NE, USA.
- 4) Weaver RG, White III JW, Finnegan OL, **Cepni AB**, Burkart S, Beets MW, Nelakuditi S, Ghosal R, Armstrong B, Adams EL, Chandrashekar, MVS (May 2024). Jerks are useful: Extracting pulse rate from wrist-placed accelerometry jerk during sleep in children. Abstract presented at the annual meeting of the International Society of Behavioral Nutrition and Physical Activity, Omaha, NE, USA.
- 5) Burkart S, Adams EL, Beets MW, Plenzler O, Mikes M, White C, Bastyr M, von Klinggraeff L, Parker H, Finnegan O, White J, **Cepni AB**, Armstrong B, Weaver RG (May 2024). Teacher Insight into the Development of a Combined School- and Home-Based Sleep Promotion Program during the Kindergarten Transition. Abstract presented at the International Society of Behavioral Nutrition and Physical Activity Annual Meeting, Omaha, NE, USA.
- 6) Finnegan OL, Weaver RG, Yang H, White JW, Nelakuditi S, Zhong Z, Ghosal R, Tong Y, **Cepni AB**, Adams EL, Burkart S, Beets MW, Armstrong B (May 2024). Advancing objective mobile device use measurement in children ages 6-11 through built-in iPad sensors: A proof-of-concept study. Abstract presented at the International Society of Behavioral Nutrition and Physical Activity Annual Meeting, Omaha, NE, USA.
- 7) Finnegan OL, White JW, Armstrong B, Adams EL, Burkart S, Beets MW, Nelakuditi S, Willis EA, von Klinggraeff L, Parker H, Bastyr M, Zhu X, Zhong Z, Ghosal R, **Cepni AB**, Weaver RG (May 2024). From cybersecurity to screentime: A scoping review on motion sensor authentication and the potential in screentime measurement. Abstract presented at the International Society of Behavioral Nutrition and Physical Activity Annual Meeting, Omaha, NE, USA.
- 8) White III JW, Weaver RG, Finnegan O, **Cepni AB**, Zhu X, von Klinggraeff L, Parker H, Savidge M, Niako N, de Zambotti M, Welk GJ, Nelakuditi S, Wang Y, Pate RR, Brown III D, Burkart S, Adams EL, Armstrong B, Beets MW, Ghosal R. (May 2024). Machine Learning Models for Predicting Laboratory-based Physical Activity Type from Consumer Wearables in Children. Oral presentation at the American College of Sports Medicine Annual Meeting, Boston, MA.
- 9) White III JW, Weaver RG, Finnegan O, **Cepni AB**, Zhu X, von Klinggraeff L, Parker H, Bastyr M, Niako N, de Zambotti M, Welk GJ, Nelakuditi S, Wang Y, Burkart S, Ghosal R. (February 2024). Machine Learning Models for Predicting Laboratory-Based Physical Activity Type from Consumer Wearables in Children. Poster presentation at the Southeastern American College of Sports Medicine Annual Meeting, Greenville, South Carolina.
- 10) Weaver RG, White JW, Finnegan OL, **Cepni AB**, Burkart S, Chandrashekar M, Armstrong B, Beets MW, Adams EL, de Zambotti M, Welk G, Nelakuditi S, Brown III D, Pate R, Wang Y, Ghosal R, Zhong Z, & Yang H. (February 2024). Determining pulse-rate from wrist placed accelerometry in children in order to improve estimates of sleep. Poster presentation at the Southeastern American College of Sports Medicine Annual Meeting, Greenville, South Carolina.
- 11) Maxwell AK, Weaver RG, White JW, Finnegan OL, **Cepni AB**, Zhu X, von Klinggraeff L, Parker H, Bastyr M, Niako N, Burkart S, Chandrashekar M, Armstrong B, Beets MW, Adams EL, de Zambotti M, Wang Y, Ghosal R, Zhong Z, & Yang H. (February 2024). Opening the Black Box: Feasibility of collecting raw accelerometry data from consumer wearable devices for research with children. Poster presentation at the Southeastern American College of Sports Medicine Annual Meeting, Greenville, South Carolina.
- 12) Moran NE, Onyekwere E, **Cepni AB**, Kim H, Ledoux TA & Arlinghaus KA. (June 2024, Submitted). Skin Carotenoids Measured by Reflection Spectroscopy Correlate with Vegetable Intake in Diverse Adolescents. Nutrition 2024, Chicago, IL.
- 13) **Cepni AB**, Ledoux TA, Johnston, CA, & Walsh, DW (April 2023). A randomized controlled trial (RCT) of the impact of school-based sport program on children's activity behaviors and

- cognition. Oral presentation at the Society of Behavioral Medicine 2023 Annual Conference, Phoenix, AZ.
- 14) Moran NE, Varghese V, Chang J, **Cepni AB**, Kim H, & Ledoux TA Relative Validity of Reflection Spectroscopy-Measured Skin Carotenoids as a Biomarker of Dietary Carotenoid Intake in Diverse US Toddlers. (July 2023). Nutrition 2023, Boston, MA.
 - 15) **Cepni AB**, Arlinghaus KR, O'Connor DP, Johnston CA, & Ledoux TA. (May 2022). Disentangling the complex interplay of barriers and facilitators to activity behaviors of low-income Hispanic adolescents. Oral presentation at the ISBNPA 2022 Annual Meeting, Phoenix, AZ.
 - 16) **Cepni AB**, Weaver EM, Ledoux TA, Johnston CA, & Walsh DW. (April 2022). Effect of school-based physical activity intervention on academic performance in high-risk minority students. Poster presentation at the Society of Behavioral Medicine 2022 Annual Conference, Baltimore, MD.
 - 17) Meyer S, Wagner G, **Cepni AB**, Ledoux TA, Walsh DW, Johnston CA & Arlinghaus KR. Lunch skipping behaviors among Black and Hispanic adolescents who receive free school meals. Abstract presented at the Academy of Nutrition and Dietetics 2021 Food and Nutrition Expo (FNCE), virtual.
 - 18) Ledoux TA, Daundasekara SS, Arlinghaus K, **Cepni AB**, & Johnston CA. Experiential internship to encourage Validation of the intuitive eating scale-2 for Hispanic adolescents. Abstract presented at the Academy of Nutrition and Dietetics 2021 Food and Nutrition Conference and Exposition (FNCE), virtual.
 - 19) **Cepni AB**, Taylor A, Thompson D, Moran N, Olvera N, & O'Connor DP, Johnston CA, Ledoux T. (June 2021). Exploring qualities of ethnically diverse parents associated with healthy home food and activity environment of toddlers. Recording on demands presented at ISBNPA XChange Initiative 2021.
 - 20) Ledoux T, **Cepni AB**, Taylor A, Crumbley C, Thompson D, Moran N, Olvera N, & O'Connor DP. (June 2021). Changes in toddler diet and activity in a family wellness program: A pilot randomized control trial. Oral presentation presented at ISBNPA XChange Initiative 2021.
 - 21) Crumbley C, **Cepni AB**, Taylor A, Thompson D, Moran N, Olvera N, & O'Connor DP, Johnston CA, Ledoux T. (June 2021). Describing and exploring accelerometer use among toddlers. Oral presentation presented at ISBNPA XChange Initiative 2021.
 - 22) Ledoux T, **Cepni AB**, Taylor A, Crumbley C, Thompson D, Moran N, Olvera N, & O'Connor DP. (October 2020). Exploring parent feeding practices, the home environment and the toddler diet. Poster presented at the Food & Nutrition Conference & Expo - FNCE 2020 Virtual Event.
 - 23) **Cepni AB**, Reesor-Oyer L, Lee CY, Zhao X, & Hernandez DC. (January 2020). *Disentangling food insecurity and maternal depression: Which one comes first?* Poster presented at the 2020 University of Houston's HEALTH Research Institute, Houston, Texas
 - 24) Lee CY, Zhao X, Reesor-Oyer L, **Cepni AB**, & Hernandez DC. (January 2020). *Early childhood food and housing insecurity as predictors of adolescent mental health.* Poster presented at the 2020 University of Houston's HEALTH Research Institute, Houston, Texas
 - 25) Zhao X, Lee CY, Reesor-Oyer L, **Cepni AB**, & Hernandez DC. (January 2020). *Bidirectional relationship between food insecurity and housing instability.* Poster presented at the 2020 University of Houston's HEALTH Research Institute, Houston, Texas
 - 26) Taylor A, **Cepni AB**, Crumbley C, Thompson D, Moran N, Olvera N, & O'Connor DP, Ledoux T. (January 2020). Assessing Change in Dietary Habits Among Toddlers with a Family Wellness Program: A Randomized Control Trial. Poster presented at the 2020 University of Houston's HEALTH Research Institute, Houston, Texas.
 - 27) Ledoux T, **Cepni AB**, Taylor A, Crumbley C, Thompson D, Moran N, Olvera N, & O'Connor DP. Changes in toddler diet quality in a family wellness program: A pilot randomized control trial. Accepted for poster presentation at the Society of Behavioral Medicine 2020 Annual Conference, San Francisco, CA.
 - 28) **Cepni AB** (August 2018). Personal diets effects on noncommunicable diseases. Oral presentation at 2nd International Conference on Food Science, Nutrition & Probiotics, Berlin, Germany.

INVITED TALK

- 1) **Cepni, AB** (March 2024). Access to structured summer programs to reduce pediatric obesity. Nutrition Consortium Research Symposium, Columbia, SC.
- 2) **Cepni, AB** (August 2021). Beyond the Page Literacy Conference, PE & Athletics: Healthy Habits, Activity, and Academics Session at KIPP Texas Public Schools Professional Learning 2021-2022.
- 3) **Cepni AB** (October 2019). Importance of home environment in early childhood. University of Houston HHP Research Symposium, Houston, TX.

TEACHING EXPERIENCE

Aug 2021-July 2023	Instructor of Record, Nutrition 4354: Community Nutrition <u>Duties:</u> Updated curriculum and taught course to meet ACEND Didactic Program competencies.
Aug 2019 -July 2021	Teaching Assistant, Nutrition 4354: Community Nutrition <u>Duties:</u> Graded assignments, and communicated with students <u>Supervisors:</u> Dr. Tracey Ledoux & Ann Svendsen-Sanchez, University of Houston
Jan 2020-May 2020	Teaching Assistant, Kinesiology 1352: Foundations of Kinesiology, Health, and Fitness & Kinesiology 3301: Design and Evaluation of Physical Activity Programs <u>Duties:</u> Facilitated laboratory sessions, and graded assignments <u>Supervisor:</u> Dr. Jon Gray, University of Houston

PROFESSIONAL SERVICE

Membership & Activities

2023-present	Chair of Student SIG, Society of Behavioral Medicine
2022-2023	Annual Meeting Coordinator of Student SIG, Society of Behavioral Medicine
2021-present	Member, International Society of Behavioral Nutrition and Physical Activity

Annual Meeting Symposia Organizations

2023	Role: Organizer	Breakfast Roundtable: Mentoring: Early career researchers' roles as mentor and mentee. Society of Behavioral Medicine 2023 Annual Meeting, Phoenix, AZ.
2024	Role: Co-Organizer	A Grant Proposal Panel: Case studies to examine strengths and weaknesses in grant writing. Society of Behavioral Medicine 2024 Annual Meeting, Philadelphia, PA.
2024	Role: Co-Organizer	Breakfast Roundtable: Selecting a Career Path in Behavioral Medicine-Academia, Industry, or Clinical Practice?. Society of Behavioral Medicine 2024 Annual Meeting, Philadelphia, PA.

Ad-Hoc Reviewer

Appetite
Heath Education Research
The Open Public Health Journal
Journal of Nutrition Education and Behavior
Society of Behavioral Medicine (SBM) Annual Meeting Abstract Review

MENTORING

Sarah Basith	Kaitlyn Fallowfield	Kush Kinariwala	Saad Nadeem	Rashika Sunku
Ashley Byrd	Omar Guerrero	Benita Lalani	Asbi Oresanya	Izma Syed

Ayanna Chavez	Tina Ha	Laura Londono	Audrey Phillips	Omar Vela
Jeremy Clark	Maleia Hardy	Dan Mai	Aizah Rahman	Reshma Vilson
Hanna Consoldane	Janaye Herrera	Megan Mar	Julio Ramirez	Elizabeth Weaver
Juan Conteras	Kayla Izaguirre	Hailey Miller	John Sloan	
Danielle Fruia	Phillip Jones	Natalia Munoz	Dahlia Solorzano	

REFERENCES

Tracey A. Ledoux, Ph.D., R.D., F.A.N.D.
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Relationship: Doctorate Mentor

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Relationship: Dissertation Co-Advisor

R. Glenn Weaver, M.Ed., Ph.D.
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PH: 803-777-5605 Email: WEAVERG@mailbox.sc.edu

Relationship: Postdoctoral Mentor