# Dr. Natalie Caine-Bish

Associate Professor
HS
ncaine@kent.edu

## Education

**M.S., Nutrition** **2003**
Kent State University

**Ph.D., Exercise Physiology** **2002**
Kent State University
*Effects of sleep deprivation on the thermal, metabolic, and hormonal responses during cold exposure*

**M.A., Exercise Physiology** **1998**
Kent State University

## Higher Education Work Experience

**Didatic Program Director** **8/2011 - present**
Kent State University

## Other Professional Experience

**Board of Editor for Society of Nutrition Education and Behavior** **8/2010 - present**

**Faculty Coordinator of Center For Nutrition Outreach** **9/2002 - present**
Kent State University

**KIDS Camp Development and Coordination** **8/2002 - present**
Kent State University Center for Nutrition Outreach

## Publications

Ha, E., **Caine-Bish**, N. (2011). Interactive introductory nutrition course focusing on disease prevention increased whole-grain consumption by college students., Journal of Nutrition Education and Behavior, 43(4), 263-7. 2011

Publication: *Journal Articles, Refereed*

Ha, EJ. & **Caine-Bish, N.,** Holloman, C. & Lowry Gordon, K. (in press). Evaluation of effectiveness of class-based nutrition intervention on changes in soft drink and milk consumption among young adults. *Nutrition J* 2010

Publication: *Journal Articles, Refereed*

Ha, EJ. & **Caine-Bish, N.** (in press) Interactive Introductory Nutrition Course Focusing on Disease Prevention Increased Whole Grain Consumption in College Students. *JNEB* 2010

Publication: *Journal Articles, Refereed*

Chuang, N., Walker, K., **Caine-Bish, N.** (2010). Student Perceptions of Career Choices: The Impact of Academic Major. Journal of Family Consumer Science Education. 27(2). 2010

Publication: *Journal Articles, Refereed*

**Caine-Bish**, N., Koren-Hakim, T., Gordon, K.L. (2011). Differences in parent versus child perceptions of child's dietary intake in normal weight and overweight children. *Medical Connections,* 5(18), 24-28. 2010

Publication: *Journal Articles, Refereed*

**Caine-Bish, N**., Scheule, B. (In Press). Gender differences in food preferences in school aged children and adolescents. *Journal of School Health.* 2009

Publication: *Journal Articles, Refereed*

Walker, K., **Caine-Bish, N.** (In Review). “I Like to Jump on My Trampoline": Drawings from School-Age Children Beginning a Weight Management Program. *Qualitative Health Research.19(7), 907-17.* 2009

Publication: *Journal Articles, Refereed*

Ha, EJ. & **Caine-Bish**, N. (2009). Effect of nutrition intervention using a general nutrition course for promoting fruit and vegetable consumption among college students. J Nutr Ed Behav, 41(2), 103-09. 2009

Publication: *Journal Articles, Refereed*

Ha, E., **Caine-Bish**, N., Holloman, C., Lowry, K.L. (2009). Evaluation of effectiveness of class-based nutrition intevention on changes in soft drink and milk consumption among young adults. Nutrition Journal, 8, 50-56. 2009

Publication: *Journal Articles, Refereed*

Gore, T., **Caine-Bish, N.** Olds, R. S., DeJulius, A., Mitchell, S., Juvancic-Heltzel, J., Pierce, K., Egbert, N. (2008). Key Components in Planning, Implementing and Monitoring a Successful Behavior Change Communication Campaign. *Cases in Public Health Communication and Marketing,* 2:87-104. 2008

Publication: *Journal Articles, Refereed*

Blegen, M., Cheatham, C.C., **Caine-Bish, N**., Glickman, E.L. (2008). The immunological and metabolic responses to exercise of varying intensities in normoxic and hypoxic environments. *Journal of Strength and Conditioning* *Journal of Strength and Conditioning* 22(5):1638-1644. 2008

Publication: *Journal Articles, Refereed*

**Caine-Bish, N.,** & Scheule, B. (2007). Food preferences of school age children and adolescents in anOhio community. *J Child Nutr & Management*, *2 http://docs.schoolnutrition.org/newsroom/jcnm/07fall/caine-bish/index.asp*. 2007

Publication: *Journal Articles, Refereed*

Cheatham, C, **Caine-Bish**, N, Blegen, M, Potkanowicz, ES, KAmimori, GH, Marcinkiewicz, JL, Otterstetter, RO, Kalinkski, M, Glickman, E. (2006). The Effects of nicotine on the metabolic and hormonal responses during acute cold exposure. Wilderness and Environmental Medicine. 17. 2006

Publication: *Journal Articles, Refereed*

**Caine-Bish, N.** Calcium and KIDS: A pilot program developed to increase calcium intakes in third through sixth-grade children. Journal of Nutrition Education and Behavior. 38: 199-200. 2006

Publication: *Journal Articles, Refereed*

**Caine-Bish**, N, Potkanowicz, ES, Otterstetter, R, Marcinkiewicz, J, Kamimori, G, Glickman, E. (2005). The effect of cold exposure on the hormonal and metabolic responses to sleep deprivation. 16(4) 177-184. 2005

Publication: *Journal Articles, Refereed*

**Caine-Bish**, N., Potkanowicz, E., Otterstetter, R., Glickman, E. (2004). Thermal and metabolic responses of sleep deprivation of humans during acute cold exposure. Aviat, Space Environ Med. 75:964-8. 2004

Publication: *Journal Articles, Refereed*

Cheatham, C., Caine-Bish, N., Potkanowicz, E. Glickman, E. (2004). Nicotine effects on thermoregulatory responses of men and women during actue cold exposure. Aviation Space, and Environmental Medicine. 75: 589-595. 2004

Publication: *Journal Articles, Refereed*

Potkanowicz, E.S., Caine-Bish, N., Otterstetter, R., and Glickman, E. (2003). Age Effects on Thermal, Metabolic, and Perceptual Responses to Acute Cold Exposure. Aviation, Space, and Environmental Medicine. 74: 1157-1162. 2003

Publication: *Journal Articles, Refereed*

Glickman, E.L. and Caine-Bish, N. (2003). Changes in Body Temperature and Basal Metabolic Rate of the Ama---A Commentary. Wilderness and Environmental Medicine. 14: 191-192. 2003

Publication: *Journal Articles, Refereed*

Glickman, Caine-Bish, N., Cheatham, C.C., Blegen, M., Potkanowicz, E. (2002). The influence on age on thermosensitivity during cold water immersion. Wilderness and Environmental Medicine. 13(3): 194-202. 2002

Publication: *Journal Articles, Refereed*

E.L. Glickman, Caine-Bish, N., Potkanowicz, E.S., Cheatham, C., Blegen, M., Hearon, C.M. (2002). The effect of age and ethnicity on metabolism and carbohydrate utilization during acute cold exposure. Environmental Ergonomics X. 247-250. 2002

Publication: *Journal Articles, Refereed*

Potkanowicz, E.S., Caine-Bish, N., Otterstetter, R., and Glickman, E.L. (2002). Thermal Sensation of old vs. young males at 12, 18 and 27ÂºC for 120 minutes. Environmental Ergonomics X. 251-254. 2002

Publication: *Journal Articles, Refereed*

## Presentations

Mantos, A., Ha, E., Caine-Bish, N., Burzminski, N., (Sept, 2011). Effects of the Gluten Free/Casein Free Diet on the Nutritional Status of Children with Autism. American Dietetic Association National Meeting, San Diego. 2011

Type: *National Refereed*

**Caine-Bish, N,** Rabuzzi, J, Burzminski, N, Lavanty, N. (2010). Prevalence and Characteristics of Pica in Renal Patients on Hemodialysis. SNE 2010

Type: *National Refereed*

**Caine-Bish, N**, Knight, S, Gordon, K, Scheule, B. (2010). Does Presence of the Child in the Same Room Affect Food Self-Selection and Portion of Parents? SNE 2010

Type: *National Refereed*

Wallick, A, **Caine-Bish, N.** Differences in Body Dissatisfaction with respect to gender and BMI classification. (2010). SNE 2010

Type: *National Refereed*

Ha, EJ, **Caine-Bish**, N & Lowry-Gordon, K (2010). Difference of Nutrient Intake and Food Choices between Alcohol Drinkers and Choices between Alcohol Drinkers and Non-drinkers among College Students. SNE 2010

Type: *National Refereed*

Ha, EJ, **Caine-Bish**, N & Lowry-Gordon, K (2010). Changes in Macronutrient Intake among Female College Students after Class- Female College Students after Class-Based Nutrition Intervention-a Pilot Study. SNE 2010

Type: *National Refereed*

Ha, EJ, **Caine-Bish**, N & Lowry-Gordon, K (2010). Distribution of Energy and Macronutrient Intakes among Meals and Snacks in Intakes among Meals and Snacks in College Students. SNE 2010

Type: *National Refereed*

Katelyn P. Caslow, Karen Lowry Gordon, Natalie Caine-Bish, Eun J. Ha
Effect of Nutrition Programming During School Lunch on Fruit and Vegetable Selection and Consumption in Elementary School ChildrenJournal of Nutrition Education and Behavior July 2009 (Vol. 41, Issue 4, Pages S23-S24) 2009

Type: *National Refereed*

Eun Jeong Ha, Natalie Caine-Bish. Increasing Consumption of Whole-Grain Products in College Students: Evaluation of the Class-Based Intervention
*Journal of Nutrition Education and Behavior*. July 2008. (Vol. 40, Issue 4, Page S81) 2009

Type: *National Refereed*

Eun-Jeong Ha, Natalie Caine-Bish, Karen Lowry-Gordon. Differences in Lifestyle and Dietary Patterns among Overweight/Obese and Normal BMI College Students. *Journal of Nutrition Education and Behavior.* July 2009 (Vol. 41, Issue 4, Page S6). 2009

Type: *National Refereed*

Steve T.A. Bui, Natalie Caine-Bish, Eun J. Ha, Karen Lowry-Gordon Protein and Creatine Supplementation Habits among University Students. *Journal of Nutrition Education and Behavior*. July 2009 (Vol. 41, Issue 4, Page S38). 2009

Type: *National Refereed*

Eun J. Ha, Natalie Caine-Bish, Karen Lowry-Gordon. Difference Between the Frequency of Fast Food Consumption and Nutrient Intake and Food Choices of Female College Students. *Journal of Nutrition Education and Behavior*. July 2009 (Vol. 41, Issue 4, Page S39). 2009

Type: *National Refereed*

**Caine-Bish, N.** Hakim, T.K., Gordon, K.L. (2008). Differences in Parent versus Child Perceptions of Child's Dietary Intake In Normal Weight And Overweight Children. American Dietetic Association National Meeting, Chicago, IL. 2008

Type: *National Refereed*

**Caine-Bish, N.** (2008). K.I.D.S. Camp: A Nutrition Education Program Providing an Educational Experience for Both Ove 2008
Educational Experience for Both Overweight Children and Dietetic Majors.
Poster presented at the annual meeting of the Society for Nutrition Education,
Atlanta, GA.

Type: *National Refereed*

Carr, S. **Caine-Bish**, N., Ha, E., Gordon, K.L. (2008). Differences in Beverage Consumption Frequency Between Middle School and High School Students. Poster presented at the annual meeting of the Society for Nutrition Education Atlanta, GA. 2008

Type: *National Refereed*

Ha, E.J., **Caine-Bish, N.** Increasing consumption of whole-grain products in college students: evaluation of the class-based intervention. Poster presented at the annual meeting of the Society for Nutrition Education, Atlanta, GA. 2008

Type: *National Refereed*

Ha, E.J., **Caine-Bish, N.** Influence of the class-based nutrition intervention on changes in micronutrients intakes in college students. Poster presented at the annual meeting of the Society for Nutrition Education., Atlanta, GA. 2008

Type: *National Refereed*

Egbert, N., Gore, T. D., **Caine-Bish, N.,** Olds, R. S., DeJulius, A., Mitchell, S., et. al. (2007, May). *The 4:3:2:1 Healthy Kids Project Part I: A Pilot Intervention to Reduce Childhood Obesity in Elementary Students* Paper presented at the annual meeting of the International Communication Association, San Fransisco, CA. 2007

Type: *International Refereed*

â€¢ Caine-Bish, N. DeJulius, A, Olds, RS, Mitchell, S. (2006). Healthy Kids: A community partnership to assess the prevalence of childhood overweight. Centers for Disease Control Diabetes and Obesity Conference. Lecture Presentation. May 17. 2006

Type: *National Refereed*

Caine-Bish, N, Luidhardt, J. (2006). KIDS Camp: Measuring effectiveness of a family oriented weight management program for overweight children and adolescents. Ohio Dietetic Association Meeting Poster Presentation. May 12. 2006

Type: *State Refereed*

Caine-Bish, N. (2005). Effectiveness of group interactive nutrition education in modigying nutrition behaviors in healthy active older adults. JADA. 105(8)Supp:160. 2005

Type: *National Refereed*

## Service

**Co-chair, URCC** **2010 - present**

Type: *University*

**Member, URCC** **2009 - present**

*EHHS faculty representative for URCC*

Type: *University*

**Chair, School Health Scienc Curriculum Committee** **2009 - present**

Type: *Department*

**Member, FAC representative for School of Health Sciences** **2009 - present**

Type: *Department*

**Reviewer, Society for Nutrition Education National Conference** **2008 - present**

Type: *National*

**Representative, Nutrition Outreach Program** **2006 - present**

*As faculty I help to organize activities, coordinate programming, and create service-learning opportunities for nutrition and dietetic students*

Type: *University*

**Consulting, Portage County Schools Healthy KIDS** **2004 - present**

*Partner with the Portage County Schools to increase the wellness and nutrition education of children in Portage County through programming both during and after-school. I also serve on numerous wellness committees throughout the county.*

Type: *Regional*

**Member, Curriculum** **2004 - present**

*School of Health Science representative for curriculum*

Type: *College*

**Member, Representative for Family and Consumer Studies FAC** **2004 - 2008**

Type: *Department*

**Coordinator, KIDS Camp & FLIGHT** **2002 - present**

*I run the weight management programs that the Nutrition Outreach Program offers for the community of Portage County and surrounding counties*

Type: *Regional*

## Grants

**PI, Nutrition Education and Assessment for Portage County Children and Adolescents** **2011 - 2012**

Collaboration with: Natalie Caine-Bish

Submitted: $18,000.00 Status: Awarded

Awarded: $20,000.00 (8 2011)

Portage County Health Department/Ohio Department of Health - Service

**Consultant, Nutrition Education for Portage County** **2009 - 2010**

*Provide pediatric nutrition education for Portage County Children.*

Collaboration with: Caine-Bish, N. & Luidhardt, J.

Submitted: $18,000.00 Status: Awarded

Awarded: $16,500.00 (8 2009)

Portage County Health Department/Ohio Department of Health - Service

**Co PI, Identifying and Measuring Successful County Level Obesity Prevention Interventions** **2008 - 2009**

Collaboration with: Portage County Health Department and KSU Nutrition Outreach Program (Natalie Caine-Bish & Jodie Luidhardt)

Submitted: $85,000.00 Status: Awarded

Awarded: $85,000.00 (10 2008)

Ohio Department of Health - Service

**PI, Healthy Kids and School Nutrition Education Measurement and Initiatives** **2008 - 2009**

Collaboration with: myself

Submitted: $2,500.00 Status: Awarded

Awarded: $2,500.00 (8 2008)

Child Health Services of Portage County - Service

**Co PI, 4321 Healthy Kids** **2007 - 2008**

Collaboration with: Natalie Caine-Bish, Scott Olds, Steve Mitchell & Nicole Egbert

Submitted: $2,500.00 Status: Awarded

Awarded: $2,500.00 (8 2007)

Child Health Service of Portage County - Applied Research

**PI, Healthy Kids: Effectiveness of an after-school nutrition and exercise program** **2006 - 2006**

Collaboration with: myself

Submitted: $2,500.00 Status: Awarded

Awarded: $2,500.00 (8 2006)

RAGS Kent State University - Applied Research

**Co PI, Healthy KIDS** **2006 - 2007**

Collaboration with: Scott Olds, Natalie Caine-Bish, Steve Mitchell & Nicole Egbert
Submitted: $3,000.00 Status: Awarded
Awarded: $3,000.00 (2 2007)
College of Education Health and Human Services - Applied Research

**Co PI, Healthy Kids** **2006 - 2007**
Collaboration with: Scott Olds, Natlaie Caine-Bish, Steve Mitchell, Angela DeJulius
Submitted: $5,700.00 Status: Awarded
Awarded: $5,700.00 (7 2006)
Child Health Services of Portage County - Applied Research

**Co PI, Pediatric Obesity Prevention in Schools** **2006 - 2008**
Submitted: $244,000.00 Status: Not Funded
Robert Woods Johnson - Applied Research

**PI, The effect of nutrition education focusing on dairy nutrition and exercise in an afterschool program on nutrition education and physical fitness** **2004 - 2005**
Collaboration with: myself
Submitted: $5,000.00 Status: Awarded
Awarded: $5,000.00 (6 2004)
National Dairy Council-MidEast - Applied Research

**Consultant, Wearable Technology for Childhood Obesity** **0 - present**
*Determine the effectiveness of using calorimetry in the aid of weight management in overweight children.*
Collaboration with: Aaron Rood
Submitted: $250,000.00 Status: Not Funded
NIH - Applied Research

**Co-Investigator, Indentifying and measuring successful county level obesity prevention interventions** **0 - present**
*To determine the risk regulators related to childhood obesity and how they related to the dietary intake of families.*
Collaboration with: Olds, R.S., Egbert, N., Caine-Bish, N.
Submitted: $249.00 Status: Not Funded
NIH - Applied Research

**PI, Technology-Based Interventions to Combat Obesity in Urban Youths** **0 - present**
*The applicability of technology in measuring physical activity and nutrition in adolescents*
Collaboration with: Natalie Caine-Bish
Submitted: $248,000.00 Status: Not Funded
NIH - Applied Research

**Consultant, Use of Wearable Technology in children** **0 - present**
Collaboration with: Working on the technological issues in placing wearable technology on children.
Basic Research

**Co-Investigator, Mothers views of Risk Regulators Affecting Food Purchases and Preschoolers Diet** **0 - present**
Collaboration with: Scott Olds, Nicole Egbert, Natalie Caine-Bish

Submitted: $230,000.00 Status: Not Funded

NIH - Applied Research

**Co-Investigator, School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes** **0 - present**

Collaboration with: Scott Olds, Steve Mitchell, Natalie Caine-Bish

Submitted: $499,999.00 Status: Pending

NIH R01 - Applied Research