



**Dr. Natalie Caine-Bish**

Associate Professor

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**Education**

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**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

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**Publications**

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**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, E.J. & 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*

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 an Ohio 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, Kalinski, M, Glickman, E. (In Press). The Effects of nicotine on the metabolic and hormonal responses during acute cold exposure. *Wilderness and Environmental Medicine. 17, XX-XX*. 2006  
 Publication: *Journal Articles, Refereed*
- 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 acute 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 27°C for 120 minutes. *Environmental Ergonomics X*. 251-254. 2002  
Publication: *Journal Articles, Refereed*

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## Presentations

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

Eun Jeong Ha, Natalie Caine-Bish. Increasing Consumption of Whole-Grain Products in College Students: Evaluation of the Class-Based Intervention 2009  
*Journal of Nutrition Education and Behavior*. July 2008. (Vol. 40, Issue 4, Page S81)  
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 Overweight Children and Dietetic Majors. 2008  
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 Francisco, 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 modifying nutrition behaviors in healthy active older adults. JADA. 105(8)Supp:160. 2005  
Type: *National Refereed*

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## Service

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- 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*
- 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*

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## Grants

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**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 - Applied Research

**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



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