

Sydney G. O'Connor

Curriculum Vitae

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CONTACT INFORMATION

2001 N. Soto Street, 3rd floor, 312-16
Department of Preventive Medicine
University of Southern California
Los Angeles, CA 90032, USA

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EDUCATION

- 2014 – present Ph.D., Health Behavior Research
University of Southern California, Los Angeles, CA
Mentor: Genevieve Fridlund Dunton,
- 2006 – 2010 B.A., Psychology and Linguistics, Minor in Spanish, Summa Cum Laude
Northeastern University, Boston, MA

HONORS AND AWARDS

- 2017 Trainee Poster Award, NIEHS/EPA
- 2017 – 2018 Meritorious Student Abstract, Society of Behavioral Medicine
- 2015 – 2016 Meritorious Student Abstract, Society of Behavioral Medicine
- 2015 Travel Award (\$1,500), USC Graduate School

GRANTS AND FELLOWSHIPS

- 2017 – Present NRSA Predoctoral Fellowship (F31HL137346; PI: O'Connor)
"Sleep variability, diet, and obesity risk in children," National Heart,
Lung, and Blood Institute. Total Direct Costs: \$130,728.
- 2016 – 2017 NRSA Predoctoral Fellowship (T32CA009492), National Cancer Institute
- 2014 – Present Provost Fellowship, University of Southern California Graduate School

PUBLICATIONS

Papers Published in Peer-Reviewed Journals

13. Lopez NV, Schembre S, Belcher BR, **O'Connor, S.G.**, Maher JP, Arbel R, Margolin G, Dunton GF. Parenting styles, food-related parenting practices, and children's healthy eating: A meditation analysis to examine relationships between parenting and child diet. *Appetite*. 128(3):205–13. doi: <https://doi.org/10.1016/j.appet.2018.06.021>
12. Dunton, G.F., Ke, W., Dzubur, E., **O'Connor, S.G.**, Lopez, N., Margolin, G. Within-subject effects of stress on weight-related parenting practices in mothers: An Ecological Momentary Assessment study. *Annals of Behavioral Medicine*. Epub ahead of print: <https://doi.org/10.1093/abm/kay053>
11. Dunton, G. F., **O'Connor, S.G.**, Belcher, B R., Maher, J. P., Schembre, S. M. (2018) Objectively-measured physical activity and sedentary time are differentially related to

- dietary fat and carbohydrate intake in children. *Frontiers in Public Health* 6(198). doi: 10.3389/fpubh.2018.00198
10. Zink J, Belcher B.R., Dzubur E, Ke W, **O'Connor S.G.**, Huh J, Lopez N, Maher J.P., Dunton G.F. (2018). Association Between Self-Reported and Objective Activity Levels by Demographic Factors: Ecological Momentary Assessment Study in Children. *JMIR Mhealth Uhealth*, 6(6):e150. doi:10.2196/mhealth.9592.
 9. Liao, Y., Schembre, S. M., **O'Connor, S.G.**, Belcher, B. R., Maher, J. P., Dzubur, E., Dunton, G. F. (2018). An Electronic Ecological Momentary Assessment Study to Examine the Consumption of High-Fat/High-Sugar Foods, Fruits/Vegetables, and Affective States Among Women. *Journal of Nutrition Education and Behavior*, 50(6):626-631. doi: 10.1016/j.jneb.2018.02.003.
 8. **O'Connor, S.G.**, Ke, W., Dzubur, E., Schembre, S., & Dunton, G. (2018). Concordance and predictors of concordance of children's dietary intake as reported via ecological momentary assessment and 24 h recall. *Public Health Nutrition*, 21(6), 1019-1027. doi:10.1017/S1368980017003780
 7. Luo S*, **O'Connor, S.G.***, Belcher BR, Page KA. (2018) Effects of Physical Activity and Sedentary Behavior on Brain Response to High-Calorie Food Cues in Young Adults. *Obesity*, 26(3):540-546. doi: 10.1002/oby.22107.
*These authors contributed equally to this work
 6. Maher, J.P., Ra, C.K., **O'Connor, S.G.**, Belcher, B.R., Leventhal, A.M., Margolin, G., & Dunton, G.F. (2017). Associations between maternal mental health and well-being and physical activity and sedentary behavior in children. *Journal of Developmental and Behavioral Pediatrics*. 38(6), 385–394. doi: 10.1097/DBP.0000000000000459
 5. **O'Connor, S.G.**, Koprowski, C., Dzubur, E., Leventhal, A.M., Huh, J., Dunton, G.F. (2017) Differences in mothers' and children's dietary intake during physical and sedentary activities: an ecological momentary assessment (EMA) study. *Journal of the Academy of Nutrition and Dietetics*. 117(8); 1265-1271.
 4. **O'Connor, S.G.**, Maher, J.P., Belcher, B.R., Leventhal, A.M., Margolin, G., Shonkoff, E.T., Dunton, G.F. (2017) Associations of maternal stress with children's weight-related behaviours: A systematic literature review. *Obesity Reviews*. 18(5) 514–525. doi: 10.1111/obr.12522
 3. Dunton, G.F., Dzubur, E., Huh, J., Belcher, B., Maher, J., **O'Connor, S.G.**, Margolin, G. (2017) Daily associations of stress and eating in mother-child dyads. *Health Education & Behavior*. 44(3); 365 –369. <https://doi.org/10.1177/1090198116663132>
 2. Kimberly, W.T., Lima, F.O., **O'Connor, S.G.**, Furie, K.L. (2013) Sex differences and hemoglobin levels in relation to stroke outcomes. *Neurology*. 80(8): 719-724. doi: 10.1212/WNL.0b013e31828250ff

1. **O'Connor, S.G.**, Ayres, A., Cortellini, L., Rosand, J., Rosenthal, E., Kimberly, W.T. (2012) Process improvement methods increase the efficiency, accuracy, and utility of a neurocritical care research repository. *Neurocritical Care*. 17(1): 90-96. doi: 10.1007/s12028-012-9689-x

Manuscripts Under Review

4. **O'Connor, S.G.**, Huh, J., Schembre, S.M., Lopez, N.V., Dunton, G.F. The association of maternal perceived stress changes in their children's Healthy Eating Index (HEI-2010) scores over time. *Annals of Behavioral Medicine*. Submitted. 2018.
3. Schembre, S.M., Liao, Y., **O'Connor, S.G.**, Hingle, M.D., Shen, S., Hamoy, K.G., Huh, J., Dunton, G.F., Weiss, R., Thomson, C.A., Boushey, C.J. Mobile Ecological Momentary Diet Assessment Methods for Behavioral Research: Systematic Review. *Journal of Medical Internet Research*. Submitted. 2018
2. Mason, T.B., **O'Connor, S.G.**, Schembre, S.M., Huh, J., Dunton, G.F. Ecological Momentary Assessment of Affect, Perceived Stress, and Food Intake in Mother-Child Dyads. *Health Psychology*. Submitted. 2018.
1. Belcher BR, Maher JP, Lopez NV, Margolin G, Leventhal AM, Ra C, **O'Connor, S.G.**, Gruenewald TL, Huh J, Dunton GF. Dual versus single parental households and differences in maternal mental health and child's overweight/obesity. *Maternal Child Health*. Submitted. 2017.

Manuscripts In Preparation

3. **O'Connor, S.G.**, Huh, J., Schembre, S.M., Redline, S., Dunton, G.F. Usual and daily effects of sleep health on children's dietary intake. In preparation.
2. **O'Connor, S.G.**, Zink, J., Dunton, G.F. Intra-individual variability in sleep and adiposity: A systematic literature review. In preparation.
1. **O'Connor, S.G.**, Habre, R., Bastain, T., Cabison, J., Chavez, T., Toledo-Corral, C., Farzan, S., Eckel, S., Naya, C., Chu, D., Gilliland, F., Breton, C.V., Dunton, G.F. Investigating Within-Subject Effects of Environmental and Social Stressors on Pre- and Post-partum Obesity-Related Biobehavioral Responses in Low-income Hispanic Women. In Preparation.

Textbook Chapters

1. **O'Connor, S.G.**, Shonkoff, E.T., Dunton, G.F. The Influence of Stress on Obesity Development in Children. In: *Childhood Obesity: Causes, Consequences and Intervention Approaches* (Goran, M [editor]). Taylor & Francis Group, 2016. pp. 191-201

PRESENTATIONS

National and International Presentations

5. Dunton, G.F. (presented by **O'Connor, S.G.**). Methods for Understanding Ecological Momentary Assessment Data Nested within Longitudinal Epidemiological Cohort Studies. Presented at: The 32nd Annual Conference of the European Health Psychology Society Conference. Galway, Ireland. (August 2018)
4. **O'Connor, S.G.**, Huh, J., Schembre, S, Lopez, N.V., Dunton, G.F. The association of maternal perceived stress with change in children's Healthy Eating Index (HEI-2010) score over time. Presented at: The 39th Annual Meeting of the Society of Behavioral Medicine. New Orleans, LA. (April 2018) (Meritorious Student Abstract Award)
3. Lopez NV, Schembre SM, Belcher BR, **O'Connor, S.G.**, Maher J, Arbel R, Margolin G, Dunton GF. Parenting styles, food-related parenting practices, and children's healthy eating. Presented at: The 39th Annual Meeting of the Society of Behavioral Medicine. New Orleans, LA. (April 2018)
2. **O'Connor, S.G.**, Luo, S., Page, K. Effects of physical activity on brain responsiveness to food cues in healthy young adults. Presented at: The 4th Annual USC Diabetes & Obesity Research Institute (DORI) Annual Symposium. Los Angeles, CA. (February 2017)
1. **O'Connor, S.G.**, Huh, J., Leventhal, A., Dzubur, E., Koprowski, C., Dunton, G.F. Momentary assessment of the association of stress and affect on dietary intake in children. Presented at: Technology Preview, a.k.a. Tech Madness, Society of Behavioral Medicine's Annual Meeting. Washington, DC. (March 2016)

Invited Presentations

1. **O'Connor, S.G.**, Understanding the role of sleep variability on children's diet and obesity risk using EMA methods. Presented to the Sleep and Circadian Research Group, Brigham and Women's Hospital/Harvard Medical School, Boston, MA. (March 2018)

Poster Presentations

9. **O'Connor, S.G.**, Redline, S., Dunton, G.F. Understanding the role of intra-individual sleep variability on children's diet and obesity risk using real-time data capture methods. Presented at: The Oxford Sleep and Circadian Neuroscience Institute (SCNi) Summer School. Oxford, England. (September 2018)
8. **O'Connor, S.G.**, Wai-Quan Cabison, J., Ke, W., Breton, C.V., Bastain, T., Dunton, G.F. Ecological Momentary Assessment Methods to Measure Stress, Mood, and Weight-Related Behaviors in Low-Income, Hispanic, Post-Partum Women. Presented at: The National Institutes of Health and Environmental Protection Agency Centers of Excellence on Environmental Health Disparities Research Meeting. New Mexico. (Dec 2017) (Best Acknowledgement of a Student/Trainee Award)
7. **O'Connor, S.G.**, Wai-Quan Cabison, J., Ke, W., Breton, C.V., Bastain, T., Dunton, G.F. Using Ecological Momentary Assessment methods to measure stress and weight-related behaviors in Hispanic post-partum women. Presented at: The 38th Annual Meeting of the Society of Behavioral Medicine. San Diego, CA. (March 2017)

6. Dzubur, E., **O'Connor, S.G.**, Margolin, G., Dunton, G.F. Differential effects of the company of mothers versus fathers on physical activity and sedentary behavior in boys and girls. Presented at: The 38th Annual Meeting of the Society of Behavioral Medicine. San Diego, CA. (March 2017)
5. Dunton, G.F., **O'Connor, S.G.**, Belcher, B., Maher, J.P., Ra, C., Schembre, S. Associations of physical activity and sedentary behavior with dietary intake in children measured by accelerometer and 24-hour dietary recall. Presented at: The International Congress of Behavioral Medicine. Melbourne, Australia. (December 2016)
4. **O'Connor, S.G.**, Huh, J., Leventhal, A., Dzubur, E., Koprowski, C., Dunton, G.F. Momentary assessment of the association of stress and affect on dietary intake in children. Presented at: The 37th Annual Meeting of the Society of Behavioral Medicine's Annual Meeting. Washington, DC. (March 2016) (Meritorious Student Abstract Award)
3. **O'Connor, S.G.**, Huh, J., Leventhal, A., Dzubur, E., Koprowski, C., Dunton, G.F. Momentary assessment of the association of stress and affect on dietary intake in children. Presented at: The 3rd Annual USC Diabetes & Obesity Research Institute (DORI) Annual Symposium. Los Angeles, CA. (February 2016)
2. **O'Connor, S.G.**, Koprowski, C., Dzubur, E., Huh, J., Dunton, G. F. Use of ecological momentary assessment (EMA) to assess co-occurring physical activity behaviors and food choices in mothers and children. Presented at: The Obesity Society's Annual Scientific Meeting Obesity Week. Los Angeles, CA. (November 2015)
1. **O'Connor, S.G.**, Ayres, A., Cortellini, L., Rosand, J., Rosenthal, E., Kimberly, WT. Design of a successful neurocritical care research repository. Presented at: The 9th Annual Neurocritical Care Society Meeting. Montreal, Canada. (September 2011)

PROFESSIONAL EXPERIENCE

Research Experience

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| 2014 – Present | Graduate Research Assistant
University of Southern California, Los Angeles, CA
Real-Time Eating Activity and Children's Health Lab
Maternal Stress and Children's Obesity Risk (R01HL119255)
Role of Environmental and Social Stressors on Pre- and Post-partum
Obesity-Related Biobehavioral Responses (P50ES026086)
Advisor: Dr. Genevieve Fridlund Dunton |
| 2012 –2014 | Clinical Research Coordinator
Columbia University Medical Center, New York, NY
Center for Behavioral Cardiovascular Health, Division of Cardiology
Psychosocial Factors and Cardiovascular Disease (P01HL047540)
Advisor: Dr. Joseph Schwartz |

2010 – 2012 Clinical Research Coordinator
Massachusetts General Hospital, Boston, MA
Department of Neurology & The Center for Human Genetic Research
Advisors: Dr. William Taylor Kimberly and Dr. Jonathan Rosand

2006 – 2010 Undergraduate Research Assistant
Northeastern University, Boston, MA
Categorization and Reasoning Lab, Department of Psychology
Advisor: Dr. John Coley

SOCIETY MEMBERSHIPS

2017 – Present Sleep Research Society
2016 – Present Society of Behavioral Medicine
2015 – 2017 American Psychological Association

SERVICE

Professional Service

2018 – Present Mentorship & Training Chair, Student SIG, Soc. of Behavioral Medicine
2015 – 2016 Campus Representative, American Psychological Association Div. 38

Ad Hoc Manuscript Review

Biomedical and Environmental Sciences
BMJ Open
Eating Behaviors
Journal of Immigrant and Minority Health
Journal of Research on Adolescence
Preventive Medicine
Substance Use and Misuse

Ad Hoc Abstract Review

Society of Behavioral Medicine

Department/University Service

2017 – Present Director of HSC Finance, USC Graduate Student Government
2017 – 2018 Member, Advisory to the Chair of Preventive Medicine Committee
2016 – 2018 President, Health Behavior Research Student Association
2016 – 2017 Director of HSC Operations, USC Graduate Student Government
2015 – 2016 Treasurer, Health Behavior Research Student Association

Mentorship and Community Service

2017 – 2018 Mentor, NIH BUILD Program
2016 – 2018 Mentor, Engineering for Health Academy Program
2015 – Present Judge, Francisco Bravo High School Science and Engineering Fair

TRAININGS

2018 Oxford University Sleep and Circadian Neuroscience Institute (SCNi)