

## EMILY A. BUTLER

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### EDUCATION

- 1987 Diploma, Fine Arts, Emily Carr College of Art
- 1998 B.A. with Honors, Psychology, Simon Fraser University
- 2002 M.A., Psychology, Stanford University
- 2004 Ph.D., Psychology, Stanford University  
Dissertation: *Interpersonal Emotion Regulation*  
Advisor: James Gross, Ph.D.

### EMPLOYMENT AND AFFILIATIONS

- 2018-present Professor, Division of Family Studies & Human Development, University of Arizona
- 2012-2018 Associate Professor, Division of Family Studies & Human Development, University of Arizona
- 2006–2012 Assistant Professor, Division of Family Studies & Human Development, University of Arizona
- 2014 –present Member, Cancer Prevention and Control Program, University of Arizona Cancer Center.
- 2007-present Affiliated Faculty, Statistics Graduate Interdisciplinary Program, University of Arizona
- 2007-present Affiliated Faculty, Psychology Department, University of Arizona
- 2003–2006 Project Coordinator, Psychology, University of Arizona
- 2003–2006 Post-doctoral Research Associate, Psychology, University of Arizona
- 2002–2003 Statistical Consultant, Psychology, Stanford University

### HONORS AND AWARDS

- 1997 Simon Fraser University Psychology Alumni Honors Prize.
- 1998 National Science Foundation Graduate Research Fellowship.
- 1998 Simon Fraser University Dean's Silver Medal.
- 1998 British Columbia Association of Clinical Psychologists Certificate of Merit.
- 2003 Wisconsin Symposium on Health and Emotion Travel Award.
- 2004 Western Psychological Association Student Scholarship.
- 2007 Travel Award, NIA and OBSSR Research Workshop on Aging
- 2010 Bart Cardon Early Career Teaching Award, College of Agriculture & Life Sciences
- 2019 Elected Fellow, Association for Psychological Science

## SERVICE AND OUTREACH

### *Extramural: National/International Service*

- 2008 – 2011 Member, Program Committee for the annual meeting of the Society for Psychophysiological Research.
- 2010 – 2011 Chair, Local Organizing Committee for the 2011 International Association for Relationship Research Mini-Conference
- 2011 – 2012 Guest Editor, Special issue of the *Journal of Social and Personal Relationships (Health, Emotion, and Relationships)*
- 2011 - 2013 Guest Editor, Special issue of *Frontiers in Psychology (Cultural Clinical Psychology)*
- 2011 - 2013 Consulting Editor, *Assessment*
- 2013 - 2017 Associate Editor, *Emotion*
- 2014 Co-Chair, Organizing Committee for the international workshop on computationally intensive modeling of dynamic social interaction.
- 2014 - current Editorial Board, *Journal of Social and Personal Relationships*

### Session Organizer for National Conferences

- 2009 Society for Personality and Social Psychology. *Temporal interpersonal emotion systems; The “TIES” that form relationships.*
- 2011 Society for Psychophysiological Research. *Physiological linkage: What it is, when it occurs, and why it matters.*
- 2019 Society for Personality and Social Psychology. *Four things you should know about studying interpersonal dynamics* (Co-Chair with Katherine Zee).

### Ad Hoc Reviewer for Scholarly Journals

*American Psychologist, Assessment, Biological Psychology, Body Image, Brain Sciences, Cognition and Emotion, Current Directions in Psychological Science, Developmental Psychology, Emotion, Emotion Review, International Journal of Behavioral Development, International Journal of Culture and Mental Health, International Journal of Psychology, International Journal of Psychophysiology, Journal of Counseling Psychology, Journal of Cross-Cultural Psychology, Journal of Experimental Social Psychology, Journal of Family Psychology, Journal of Health Psychology, Journal of Personality, Journal of Personality and Social Psychology, Journal of Psychophysiology, Journal of Social and Personal Relationships, Motivation and Emotion, Personal Relationships, Personality, Personality and Social Psychology Bulletin, Psychiatry Research, Psychological Science, Social and Personality Psychology Compass, Social Psychological and Personality Science, Stress and Health*

### Grant Reviews

National Science Foundation: March, 2008; September, 2012; March, 2015; September, 2015  
Swiss National Science Foundation: November, 2011.

Israel Science Foundation: January, 2013  
Research Council, KU Leuven: March, 2013.  
United States – Israel Bi-national Science Foundation, 2018

Promotion and Tenure Reviews

University of Utah, 2015, promotion to Full Professor  
Marquette University, 2016, promotion to Associate Professor with tenure  
Rutgers University, 2016, promotion to Associate Professor with tenure  
University of California, 2017, Davis, promotion to Associate Professor with tenure

***Extramural: State (Arizona) Service***

Outreach Presentations

- 2006 Butler, E. A. (2006, August). Love, anger, and food; Emotional processes in families coping with obesity. Talk presented at the 4th Annual FCS/NCS Annual Conference, Tucson, AZ.
- 2007 Butler, E. A. (2007, February). Interpersonal emotion regulation and how to develop a study. Presentation given to the Family, Youth, and Community Extension Scholars Program, Tucson, AZ.
- 2008 Butler, E. A. (2008, June). Love, anger, and food: Marital processes that promote obesity. Talk presented to the Extension Food and Nutrition Education Program, Tucson, AZ.
- 2014 Butler, E. A. (2014, September). Relationships, emotion, and body weight. Talk and discussion session for the Body Smart student group, University of Arizona.
- 2016 Butler, E. A. (2016, October). Love, anger and food. Talk presented at the annual Family Studies & Human Development Homecoming luncheon, University of Arizona.

***Intramural: University of Arizona Service***

- 2007-2012 Chair, “Health, Emotion, and Relationships” research initiative. (Responsibilities: Organize and facilitate cross-disciplinary research activities, including regular research symposiums, invited speakers, and one-time collaborative meetings with attendees from University of Arizona and Arizona State University. > 25 members)
- 2009 Member, Social Science Statistics Task Force
- 2013-2015 Member, Dean’s Research Advisory Committee, College of Agriculture and Life Sciences
- 2014-2017 College of Agriculture and Life Science representative for the Mechanisms of Emotion, Social Relationships and Health (MESH) Leadership group.
- 2016-present Member, Graduate Council, University of Arizona
- 2018 Co-Chair, Graduate Council, University of Arizona
- 2018 Member, CALS Promotion and Tenure Committee, College of Agriculture and Life Sciences
- 2019-present Co-Chair, CALS Promotion and Tenure Committee, College of Agriculture and Life Sciences

***Intramural: Division of Family Studies & Human Development Service***

2006-present	Statistical consulting to faculty and students.
2006	Member, Ad hoc committee for Undergraduate Curriculum.
2006-2008	Consulting to the Institute for Children, Youth, and Families on laboratory design and equipment purchase.
2007-present	Member, Steering committee for the Institute for Children, Youth, and Families.
2008	Member, Search committee - Information Technology Assistant.
2008	Member, Search committee - ICYF Program Coordinator.
2010	Member, Search committee – Statistics Lecturer.
2009	Human Subjects Scientific Review
2009	Member, Search committee – Research Faculty Position
2009-present	Member, FSHD Graduate committee and Graduate Admissions.
2013-2015	FSHD Graduate Director
2014	Ad hoc Member, Promotion and Tenure Committee
2014-2015	Ad hoc Member, Graduate Admissions Committee
2016-present	FSHD Human Subjects Scientific Review
2016-2017	Co-chair, FSHD Associate Professor hiring committee
2016-present	FSHD Graduate Director and Chair of the Graduate Committee
2018	Lang Lab Fund Committee, Member
2018	Ad hoc Member, FSHD Promotion and Tenure Committee
2019-present	Chair, Norton School Promotion and Tenure Committee

## PUBLICATIONS

# Work done by Butler as a graduate student

\*\* Graduate student collaborator

\* Undergraduate student collaborator

### *Peer Reviewed Journal Articles (total number = 51)*

*Citation counts are based upon Google Scholar; Total citations = 5,531; H-index=29*

1. # **Butler, E. A.**, Egloff, B., Wilhelm, F. H., Smith, N. C., Erickson, E. A., & Gross, J. J. (2003). The social consequences of expressive suppression. *Emotion*, 3, 48-67.  
ISI 2014 5-year journal impact factor = 4.4 (9/85 in Experimental Psychology); Cited 1156 times
2. Richards, J. M., # **Butler, E. A.**, & Gross, J. J. (2003). Emotion regulation in romantic couples: The cognitive consequences of concealing feelings. *Journal of Social and Personal Relationships*, 20, 599-620.  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology); Cited 243 times
3. Srivastava, S., McGonigal, K.M., Richards, J.M., **Butler, E.A.**, & Gross, J.J. (2006). Optimism in close relationships: How seeing things in a positive light makes them so. *Journal of Personality and Social Psychology*, 91, 143-153.  
ISI 2014 5-year journal impact factor = 7.52 (3/62 in Social Psychology); Cited 224 times

4. **Butler, E. A.**, Wilhelm, F. H., & Gross, J. J. (2006). Respiratory sinus arrhythmia, emotion, and emotion regulation during social interaction. *Psychophysiology*, *43*, 612-622.  
ISI 2014 5-year journal impact factor = 3.7 (17/85 in Experimental Psychology); Cited 368 times
5. **Butler, E. A.**, \* Lee, T. L., & Gross, J. J. (2007). Emotion regulation and culture: Are the social consequences of emotion suppression culture-specific? *Emotion*, *7*, 30-48.  
ISI 2014 5-year journal impact factor = 4.4 (9/85 in Experimental Psychology) Cited 620 times
6. Shoham, V., **Butler, E. A.**, Rohrbaugh, M. J., & \*\* Trost, S. (2007). Symptom-system fit in couples: Emotion regulation when one or both partners smoke. *Journal of Abnormal Psychology*, *116*, 848-853.  
ISI 2014 5-year journal impact factor = 6.14 (6/119 in Clinical Psychology) Cited 28 times
7. Rohrbaugh, M. J., Shoham, V., **Butler, E. A.**, \*\* Hasler, B. P., & Berman, J. S. (2009). Affective synchrony in dual- and single-smoker couples: Further evidence of "Symptom-System Fit"? *Family Process*, *48*, 55-67.  
ISI 2014 5-year journal impact factor = 2.73 (9/40 in Family Studies) Cited 30 times
8. **Butler, E. A.**, \*\* Lee, T. L., & Gross, J. J. (2009). Does expressing your emotions raise or lower your blood pressure? The answer depends on cultural context. *Journal of Cross-Cultural Psychology*, *40*, 510-517.  
ISI 2014 5-year journal impact factor = 2.31 (25/62 in Social Psychology) Cited 144 times
9. Mauss, I. B., **Butler, E. A.**, Roberts, N. A., & \*\* Chu, A. (2010). Emotion control values and responding to an anger provocation in Asian-American and European-American individuals. *Cognition and Emotion*, *24*, 1026-1043.  
ISI 2014 5-year journal impact factor = 3.43 (25/85 in Experimental Psychology). Cited 57 times
10. Mauss, I. B. & **Butler, E. A.** (2010). Cultural context moderates the relationship between emotion control values and cardiovascular challenge versus threat responses. *Biological Psychology*, *84*, 521-530.  
ISI 2014 5-year journal impact factor = 3.95 (2/14 in Biological Psychology). Cited 78 times
11. **Butler, E. A.**, \*\* Young, V. J., & \*\* Randall, A. K (2010). Suppressing to please, eating to cope: The effect of overweight women's emotion suppression on romantic relationships and eating. *Journal of Social and Clinical Psychology*, *29*, 6, 599-623.  
ISI 2014 5-year journal impact factor = 2.01 (32/62 in Social Psychology). Cited 29 times
12. \*\* Meltzer, A. L., McNulty, J. K., Novak, S., **Butler, E. A.**, & and Karney, B. R. (2011). Marriages are more satisfying when wives are thinner than their husbands. *Social Psychological and Personality Science*, *2*, 416-424.  
ISI 2014 5-year journal impact factor = 2.86 (14/62 in Social Psychology). Cited 20 times
13. Ellis, B. J., \*\* Schlomer, G. L., \*\* Tilley, E. H., & **Butler, E. A.** (2011). Impact of fathers on risky sexual behavior in daughters: A Genetically and environmentally controlled sibling study. *Development and Psychopathology*, *24*, 317-332.  
ISI 2014 5-year journal impact factor = 5.38 (6/68 in Developmental Psychology). Cited 70 times

14. **Butler, E. A.** (2011). Three views of emotion regulation and health. *Social & Personality Psychology Compass*, 5, 563–577.  
This is an online peer-reviewed journal and does not yet have an impact factor. Cited 13 times
15. **Butler, E.A.** (2011). Temporal interpersonal emotion systems: The “TIES” that form relationships. *Personality and Social Psychology Review*, 15, 367-393.  
ISI 2014 5-year journal impact factor = 10.44 (1/62 in Social Psychology). Cited 166 times
16. \*\* Randall, A. K., \*\*Corkery, S. A., \*\*Deepti, D., Kamble, S. V., & **Butler, E. A.** (2011). “We’re having a good (or bad) day”: Differences in emotional synchrony in married couples in the United States and India. *Family Science*, 2, 203-211.  
This is a new journal and does not yet have an impact factor rating. Cited 7 times
17. \*\* Totenhagen, C., **Butler, E. A.**, & Ridley, C. (2012). Daily stress, closeness, and satisfaction in gay and lesbian couples. *Personal Relationships*, 19, 219-233.  
ISI 2014 5-year journal impact factor = 1.74 (36/62 in Social Psychology) Cited 34 times
18. \*\* Totenhagen, C. J., Serido, J., Curran, M. A., & **Butler, E. A.** (2012). Daily hassles and uplifts: A diary study on understanding relationship quality. *Journal of Family Psychology*, 26, 719-728.  
ISI 2014 5-year journal impact factor = 2.58 (10/40 in Family Studies) Cited 36 times
19. \*\*Burke, T. J., \*\*Randall, A. K., \*\*Corkery, S. A., Young, V, J., & **Butler, E. A.** (2012). "You're going to eat that?" Relationship processes and conflict among mixed weight couples. *Journal of Social and Personal Relationships*, 29, 1109-1130.  
doi: 10.1177/0265407512451199  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology). Cited 19 times
20. **Butler, E. A.** & \*\* Randall, A. K. (2013). Emotional coregulation in close relationships. *Emotion Review*, 5, 202-210.  
ISI 2014 5-year journal impact factor = 3.65 (17/129 in Multidisciplinary Psychology) Cited 143 times
21. Roberts, N. A., Manos, R. C., \*\* Kanter, J. W., **Butler, E. A.**, & Baker, D. (2013). Job stress and dyadic synchrony in police marriages: A preliminary investigation. *Family Process*, 52, 271-283.  
ISI 2014 5-year journal impact factor = 2.73 (9/40 in Family Studies). Cited 8 time
22. **Butler, E. A.** & Sbarra, D. A. (2013). Health, emotion, and relationships. *Journal of Social and Personal Relationships*, 30, 151-154.  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology). Cited 2 times
23. \*\* Meltzer, A. L., Novak, S. A., McNulty, J. K., **Butler, E. A.**, & Karney, B. R. (2013). Marital satisfaction predicts weight gain in early marriage. *Health Psychology*, 32, 824 - 827.  
ISI 2014 5-year journal impact factor = 4.69 (11/119 in Clinical Psychology). Cited 22 times
24. \*\* Reed, R. G., \*\*Randall, A. K., \*\* Post, J. H. & **Butler, E. A.** (2013). Partner influence and in-phase versus anti-phase physiological linkage in romantic couples. *International Journal of Psychophysiology*, 88, 309-316.  
ISI 2014 5-year journal impact factor = 2.92 (7/14 in Biological Psychology). Cited 37 times

25. \*\*Totenhagen, C. J., Curran, M. A., Serido, J., & **Butler, E. A.** (2013). Good days, bad days: Do sacrifices improve relationship quality? *Journal of Social and Personal Relationships*, 30, 881-900. doi: 10.1177/0265407512472475  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology). Cited 20 times
26. \*\* Reed, R. G., **Butler, E. A.**, & Kenny, D. A. (2013). Dyadic models for the study of health. *Social & Personality Psychology Compass*, 7, 228-245.  
This is an online peer-reviewed journal and does not yet have an impact factor. Cited 13 times
27. \*\* Skoyen, J. A., \*\*Blank, E., \*\*Corkery, S. A., & **Butler, E. A.** (2013). The interplay of partner influence and individual values predicts daily fluctuations in eating and physical activity. *Journal of Social and Personal Relationships*, 30, 1000-1019.  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology). Cited 13 times
- \*28. \* Randall, A. K., & **Butler, E. A.** (2013). Attachment and emotion transmission within romantic relationships: Merging intrapersonal and interpersonal perspectives. *Journal of Relationships Research*, 4, 1-10. doi: 10.1017/jrr.2013.10  
This is a new journal and does not yet have an impact factor. Cited 8 times
29. \*\* Randall, A. K., \*\*Post, J. H., \*\*Reed, R. G., & **Butler, E. A.** (2013). Cooperating with your romantic partner: Associations with interpersonal emotion coordination. *Journal of Social and Personal Relationships*, 30, 1072-1095  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology). Cited 21 times
30. **Butler, E. A.**, Gross, J. J., & Barnard, K. (2014). Testing the effects of suppression and reappraisal on emotional concordance using a multivariate multilevel model. *Biological Psychology*, 98, 6-18.  
ISI 2014 5-year journal impact factor = 3.95 (2/14 in Biological Psychology). Cited 23 times
31. \*\*Skoyen, J. A., Randall, A. K., Mehl, M.R., & **Butler E. A.** (2014). “We” overeat, but “I” can stay thin: Pronoun use and body weight in couples who eat to regulate emotion. *Journal of Social and Clinical Psychology*, 33, 742-765.  
ISI 2014 5-year journal impact factor = 2.01 (32/62 in Social Psychology). Cited 4 times
32. **Butler, E. A.**, Hollenstein, T., Shoham, V., & Rohrbaugh, M. J. (2014). A dynamic state-space analysis of interpersonal emotion regulation in couples who smoke. *Journal of Social and Personal Relationships*, 31, 907-927.  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology). Cited 11 times
33. \*\*Reed, R. G., Barnard, K., & **Butler, E. A.** (2015). Distinguishing co-regulation from co-dysregulation: An investigation of emotional dynamics and body-weight in romantic couples. *Emotion*, 15, 45-60. <http://dx.doi.org/10.1037/a0038561>  
ISI 2014 5-year journal impact factor = 4.4 (9/85 in Experimental Psychology). Cited 17 times
34. **Butler, E. A.** (2015). Interpersonal affect dynamics: It takes two (and time) to tango. *Emotion Review*, 7, 336-341. 10.1177/1754073915590622

ISI 2014 5-year journal impact factor = 3.65 (17/129 in Multidisciplinary Psychology). Cited 29 times

35. \*\*Koval, P., **Butler, E. A.**, Hollenstein, T., \*\*Lanteigne, D., & Kuppens, P. (2015). Emotion regulation and the temporal dynamics of emotions: Effects of cognitive reappraisal and expressive suppression on emotional inertia. *Cognition and Emotion*, 29, 831-851.  
ISI 2014 5-year journal impact factor = 3.43 (25/85 in Experimental Psychology). Cited 16 times
36. \*\*Guan, J., \*\*Simek, K., \*\*Brau, E., Morrison, C., **Butler, E.A.**, & Barnard, K. (2015). Moderated and drifting linear dynamical systems. *Proceedings of the International Conference on Machine Learning*, Lille, France. Cited 1 time  
Note: This venue is a peer reviewed, competitive conference (acceptance rate: 26%) and the full paper is published as part of the conference proceedings and so I have included it under journal publications.
37. Totenhagen, C. J., **Butler, E. A.**, Curran, M. A., & Serido, J. (2015). The calm after the storm: Relationship length as associated with couples' daily variability. *Journal of Social and Personal Relationships*. 10.1177/0265407515597562  
ISI 2014 5-year journal impact factor = 1.83 (34/62 in Social Psychology). Cited 9 times
38. \*\*Milek, A., **Butler, E. A.**, & Bodenmann, G. (2015). The interplay of couple's shared time, women's intimacy, and intradyadic stress. *Journal of Family Psychology*, 29, 831-842. /10.1037/fam0000133  
ISI 2014 5-year journal impact factor = 2.58 (10/40 in Family Studies) Cited 3 times
39. \*\*Reed, R. G., Weihs, K. L., Sbarra, D. A., Breen, E. C., Irwin, M. R., **Butler, E. A.** (2016). Emotional acceptance, inflammation, and sickness symptoms across the first two years following breast cancer diagnosis. *Brain, Behavior and Immunity*, 56, 165-174. doi: 10.1016/j.bbi.2016.02.018. Cited 3 times
40. \*\* Reed, R. G., O'Connor, M. F., Pace, T. W. W., Raison, C. L., & **Butler, E. A.** (2017). Dyadic coping and salivary interleukin-6 responses to interpersonal stress, *Journal of Family Psychology*, 31, 367-373. doi: 10.1037/fam0000249. Cited 1 time
41. **Butler, E. A.** (2017). Emotions are temporal interpersonal systems. *Current Opinion on Psychology*, 17, 129-134. <http://dx.doi.org.ezproxy4.library.arizona.edu/10.1016/j.copsyc.2017.07.005>
42. \*\*Skoyen, J. A., \*\*Rentscher, K. E., & **Butler E. A.** (2018). Relationship quality and shared unhealthy behaviors predict body mass index in women. *Journal of Social and Personal Relationships*, 35, 224-245.
43. Haynes, P. L., Silva, G. E., Howe, G. W., Thomson, C. A., **Butler, E. A.**, Quan, S. F., Sherrill, D., Scanlon, M., Rojo-Wissar, D. M., Gengler, D. N. & Glickenstein, D. A. (in press). Longitudinal assessment of daily activity patterns on weight change after involuntary job loss: the ADAPT study protocol. *BMC Public Health*.
44. Milek, A., **Butler, E. A.**, Tackman, A. M., Kaplan, D. M., Raison, C. L., Sbarra, D. A., Vazire, S., & Mehl, M. R. (2018). "Eavesdropping on happiness" revisited: A pooled, multi-sample replication



of the association between life satisfaction and observed daily conversation quantity and quality. *Psychological Science*, 29(9), 1451-1462. <https://doi.org/10.1177/0956797618774252>

45. \*\*Fonseca, A. L., Koyama, J., & **Butler, E. A.** (2018). The role of family of origin in current lifestyle choices: A qualitative secondary data analysis of interracial and same-race couples. *Family & Community Health*, 41(3), 146–158.
46. \*\* Fonseca, A. L., Kamble, S., Duggi, D., Flores, M. & **Butler, E. A.** (2018). Daily emotion regulation in American and Asian-Indian romantic couples. *Journal of Comparative Family Studies*, 49(4), 487-512.
47. \*\*Flores, M., Ruiz, J. M., Goans, C., **Butler, E. A.**, Uchino, B.N., Hirai, M., ... & Smith, T. W. (in press). Ethnic differences in social networks and support: Measurement considerations, and implications for disparities research. *Cultural Diversity and Ethnic Minority Psychology*.
48. \*\* Peterson, R.L., **Butler, E.A.**, Ehiri, J.E., Fain, M.J., Carvajal, S.C. (in press). Mechanisms of racial disparities in cognitive aging: An examination of material and psychosocial wellbeing. *The Journals of Gerontology: Series B*.
49. \*\* Peterson, R.L., Fain, M.J., **Butler, E.A.**, Ehiri, J.E., Carvajal, S.C. (2020). The role of social and behavioral risk factors in explaining racial disparities in age-related cognitive impairment: A structured narrative review. *Neuropsychology, Development and Cognition*, 27(2), 173-196.
50. **Butler, E. A.** & Barnard, J. K. (2019). Quantifying interpersonal dynamics for studying socio-emotional processes and adverse health behaviors. *Psychosomatic Medicine*, 81(8), 749-758.
51. Sels, L., Cabrieto, J., **Butler, E. A.**, Reis, H., Ceulemans, E., & Kuppens, P. (in press). The occurrence and correlates of emotional interdependence in romantic relationships. *Journal of Personality and Social Psychology*

#### **Peer Reviewed Abstracts (Published as Conference Proceedings)**

Sbarra, D.A, **Butler, E.A.**, & \*\* Randall, A.K. (2009) Within-person variability in RSA is associated with between-person differences in emotional functioning: Evidence from the study of marital separations. *Psychophysiology*, 46,S6.

**Butler, E. A.** & \*\* Reed, R. G. (2011). Emotion regulation and in-phase versus anti-phase synchrony of sympathetic arousal. *Psychophysiology*, 48, S19.

\*Reed, R. G., **Butler, E. A.**, Sbarra, D. A., Breen, E. C., Irwin, M. R., & Weihs, K. L. (March, 2015). Associations between pro-inflammatory cytokines and physical symptoms are moderated by emotional acceptance in women with breast cancer. *Psychosomatic Medicine*; 77(3) A5.

#### **Invited Commentaries**

**Butler, E. A.** & Gross, J. J. (2009). Emotion and emotion regulation: Integrating individual and social levels of analysis. *Emotion Review*, 1, 86-87. Cited 15 times.

**Butler, E. A. & \*\* Randall, A. K. (2013).** Author reply: Coregulation is a state of a temporal interpersonal emotion system. *Emotion Review*, 5, 213-214.

### ***Peer Reviewed Chapters in Edited Books***

# **Butler, E. A., & Gross, J. J. (2004).** Hiding feelings in social contexts: Out of sight is not out of mind. P. Philippot & R. Feldman (Eds.), *The regulation of emotion* (pp. 101-126). Mahwah, N.J.: Lawrence Erlbaum Associates. Cited 8 times.

**Butler E. A. (2012).** Emotion regulation in cultural context: Implications for wellness and illness. In Barnow, S. & Balkir, N. (Eds.), *Cultural variations in psychopathology: From research to practice* (pp.93-114). Hogrefe Publishing.

\*\* Skoyen, J. A., \*\* Kogan, A. V., Novak, S. A., & **Butler, E. A. (2012).** Health behavior and emotion regulation in couples. In Newman, M. L., & Roberts, N. A. (Eds.) *Health and Social Relationships: The Good, The Bad, and The Complicated*. Washington, DC: American Psychological Association.

**Butler, E. A., \*\*Guan, J., \*\*Predoehl, A., \*\*Brau, E., \*\*Simek, K., & Barnard, K. (2017).** Computational interpersonal emotion systems. In R. Vallacher, A. Nowak, & S. Read (Eds.), *Computational Models in Social Psychology*, (pp. 127-143), Psychology Press, NY.

**Butler, E. A. (2018).** Next steps towards understanding interpersonal emotion dynamics. Invited chapter to appear in A. Randall & D. Schoeb i(Eds.) *Interpersonal Emotion Dynamics in Personal Relationships*, Cambridge University Press, Cambridge.

Koole, S. L., Atzil-Slonim, D., **Butler, E.**, Dikker, S., Tschacher, W., & Wilderjans, T. (2020). In sync with your shrink: Grounding psychotherapy in interpersonal synchrony. In J. P. Forgas, W. Crano, & K. Fiedler (Eds.), *Applications of social psychology: How social psychology can contribute to the solution of real-world problems* (pp. 161-184).

### ***Outreach Publications***

\*\*Van Campen, K. S., & **Butler, E. A. (2012).** Women's weight and emotions: The impact on relationships and eating behaviors (Frances McClelland Institute for Children, Youth, and Families ResearchLink, Vol. 4, No. 2). Tucson, AZ: The University of Arizona.

## **SCHOLARLY PRESENTATIONS**

### ***Invited: International***

**Butler, E. A. (2010, December).** Emotion regulation in cultural context: Implications for wellness and illness. Invited talk presented at the international closed workshop on Cultural Variations in Emotion Regulation and Mental Health, Heidelberg, Germany.

- Butler, E. A.** (2012, March). Temporal interpersonal emotion systems: The “TIES” that form relationships. Invited talk presented to the Psychology Department at the University of Zurich, Switzerland.
- Butler, E. A.** (2012, March). Temporal dyadic statistics. Invited statistical workshop presented to the Psychology Department at the University of Zurich, Switzerland.
- Butler, E. A.** (2014, January). Modeling dyadic interaction. Invited statistical workshop presented to the Psychology Department at the University of Zurich, Switzerland.
- Butler, E. A.** (2014, April). Temporal interpersonal emotion systems: The “TIES” that form relationships. Invited talk presented to the Psychology Department at the University of Toronto, Canada.
- Butler, E. A.** (2014, April). Temporal interpersonal emotion systems: The “TIES” that form relationships. Invited talk presented to the Psychology Department at Queen’s University, Canada.
- Barnard, K., **Butler, E. A.** & Guan, J. (2016, August). Dynamic system modeling infrastructure (DSMI): Past, present and future. Invited talk presented at the Dynamic Systems Modeling Expert Meeting, University of Aberdeen, U.K.
- Butler, E. A.** (2018, February). Modeling dynamic dyadic interaction. Invited statistical workshop presented to the Psychology Department at the University of Zurich, Switzerland.
- Butler, E. A.** (2018, February). Health and interpersonal systems. Invited talk presented to the Psychology Department at the University of Grenoble, France.
- Invited: National*
- Butler, E. A.** (2010, October). Temporal interpersonal emotion systems: The “TIES” that form relationships. Invited talk presented at the annual meeting of the Society of Experimental Social Psychology, Minneapolis, Minnesota.
- Butler, E. A.** (2012, October). Interpersonal emotional dynamics in mixed-weight couples. Invited talk presented at the annual meeting of the Society of Experimental Social Psychology, Austin, Texas.
- Butler, E. A., \*\*Guan, J., \*\*Reed, R. G., & Barnard, K.** (2014, February). Computational temporal interpersonal emotion systems (CompTIES). Invited talk presented at the Dynamical Systems and Computational Modeling in Social Psychology pre-conference, Austin, Texas.
- Butler, E. A.** (2015, May). Temporal interpersonal emotion systems: The TIES that form relationships. Invited talk presented at the annual meeting of the American Psychological Society, New York, New York.
- Butler, E. A.** (2017, October). Quantifying dynamic interpersonal interactions. Invited talk presented at the mid-year meeting of the American Psychosomatic Society, Berkeley, California.

**Butler, E. A.** (2019, March). Modeling interpersonal emotion dynamics. Invited workshop presented at the annual meeting of the Society for Affective Science, Boston, Massachusetts.

**Butler, E. A.** (2019, September). Is physiological linkage between people good or bad? It depends. Invited presidential address at the annual meeting of the Society for Psychophysiological Research, Washington, D.C.

**Butler, E. A.** (2019, February). Health and interpersonal systems: Some theory, results and modeling tools. Invited talk presented to the Psychology Department at the University of Utah.

***Invited: Internal University***

**Butler, E. A.** (2012, October). Interpersonal emotion dynamics and weight. Presented at the Social Psychology Brown Bag seminar, Psychology Department, University of Arizona, Tucson, AZ.

**Butler, E. A.** (2014, April). Relationships, emotion, and body weight. Presented at the Nutrition Department Seminar, University of Arizona, Tucson, AZ.

**Butler, E. A.** (2018, January). Health and interpersonal systems. Presented to the Center for Couples and Family Studies group, Psychology Department, University of Arizona, Tucson, AZ.

***Peer Reviewed National and International Research Conferences***

\*\* Randall, A. K., \*\* Post, J. H., \*\* Corkery, S. A., \*\* Bosch, L., \*\* Chiu, B., & **Butler, E. A.** (2010, January). Coregulation ‘for better or worse’: The emotional transmission of positive and negative emotions in close relationships. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.

\*\* Post, J. H., \*\* Randall, A. K., \*\* Chiu, B., \*\* Bosch, L., & **Butler, E. A.** (2010, January). Empathy as a moderator of emotional stability within couples. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.

\* Chan, M., \*\* Randall, A. K., \*\* Duggi, D., Kamble, S. V., & **Butler, E. A.** (2010, January). Examining differences in attachment styles between marriage types (Love versus Arranged) in Asian Indians and Americans. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.

Mauss, I. B. & **Butler, E. A.** (2010, January). Emotion-regulatory goals mediate cultural differences in emotion responding. Talk presented at the annual meeting of the Society for Personality and Social Psychology, Las Vegas, NV.

\*\* Bosch, L. A., \*\* Corkery, S. A., \*\* Randall, A. K., \*\* Young, V. J., & **Butler, E. A.** (2010, March). The effects of identity style on reappraisal in romantic couples. Poster presented at the annual meeting of the Society for Research in Identity Formation, Philadelphia, PA.

- \*\* Totenhagen, C., Curran, M., & **Butler, E. A.** (2010, November). Daily hassles, sacrifices, and relationship quality in pregnant cohabitators. Poster presented at the National Council on Family Relations, Minneapolis, MN.
- \*\* Post, J. H., \*\* Randall, A. K., \*\*Corkery, S. A., \*\* Chiu, B., \*\* Bosch, L., & **Butler, E. A.** (2011, January). A comparison of romantic couples' coping techniques and couple weight type. Poster presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.
- Butler, E. A.** & \*\*Howerter, A. (2011, January). The impact of emotion regulation on temporal interpersonal emotion systems (TIES). Poster presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.
- \*\* Skoyen, J. A., \*\*Blank, E., \*\*Corkery, S. A., **Butler, E. A.** (2011, March). Speaking of food and health: The interplay of social and individual factors determines dietary quality. Poster presented at the annual meeting of the American Psychosomatic Society, San Antonio, TX.
- \*\*Tilley, E.H., Ellis, B.J., Barnett, M.A., & **Butler, E.A.** (2011, April). The role of perceived family closeness and family composition in rate of pubertal maturation in girls. Poster presented at Society for Research in Child Development Conference, Montreal, CA.
- Butler, E. A.** & \*\*Reed, R. G. (2011, September). Emotion regulation and in-phase versus anti-phase synchrony of sympathetic arousal. Talk presented at the annual meeting of the Society for Psychophysiological Research, Boston, MA.
- \*\*Totenhagen, C., \*Katz, M. **Butler, E. A.**, & Curran, M. (2011, November). Daily variability in relational experiences. Talk presented at the annual meeting of the National Council on Family Relations, Orlando, FL.
- \*\*Skoyen, J.A., \*\*Blank, E., \*\*Corkery, S.A., & **Butler, E.A.** (2011, October). Health beliefs and partner influence predict daily emotional fluctuations. Poster presented at the International Association of Relationship Research Mini-Conference on Health, Emotion and Relationships, Tucson, Arizona.
- \*\*Burke, T. J., \*\*Randall, A. K., \*\*Corkery, S. A., \*\*Young, V. J., & **Butler, E. A.** (2011, October). "Do these pants make me look fat?" An examination of eating together, support, and conflict among mixed weight couples. Poster presented at the International Association of Relationship Research Mini-Conference on Health, Emotion and Relationships, Tucson, Arizona.
- \*\*Randall, A. K., \*\*Corkery, S. A., \*\*Duggi, D., Kamble, S. V. & **Butler, E. A.** (2012, January). "We're having a good (or bad) day": Difference in emotional synchrony in romantic couples in the United States and India. Poster presented at the annual meeting of the Society for Personality and Social Psychology, San Diego, CA.
- \*\*Reed, R. G., \*\*Randall, A. K., \*\*Corkery, S. A., Young, V. J., \*\*Post, J. H., & **Butler, E. A.** (2012, January). Emotion regulation and physiological linkage in couples. Poster presented at the 2012 Society for Personality and Social Psychology, San Diego, CA.

- \*\*Skoyen, J. A., \*\*Randall, A.K., \*\*Corkery, S. A., Young, V. J., **Butler E. A.** (2012, April). Eating as emotion regulation is associated with body composition. Poster presented at the Society of Behavioral Medicine Conference, New Orleans, Louisiana.
- \*\*Skoyen, J.A., \*\*Blank, E., \*\*Corkery, S.A., **Butler, E.A.** (2012, October). Partner influence and health beliefs predict daily fluctuations in exercise. Poster presented at the National Council on Family Relations Conference, Phoenix, Arizona.
- \*\* Reed, R. G., & **Butler, E. A.** (2012, October). Emotion regulation and patterns of physiological linkage in couples. Poster presented at the annual meeting of the National Council on Family Relations, Phoenix, AZ.
- \*\* Muraco, J. A., Russell, S. T. Curran, M. A. & **Butler, E. A.** (2012, October). Sexual orientation and romantic relationship quality as moderated by gender, race, age, and romantic relationship history. Talk presented at the annual meeting of the National Council on Family Relations, Phoenix, AZ.
- \*\* Meltzer, A. L., McNulty, J. K., Novak, S. A., **Butler, E. A.**, & Karney, B. R. (2013, January). Marital satisfaction predicting weight gain in early marriage. Talk presented at the Society of Personality and Social Psychology Conference, New Orleans, LA.
- \*\*Skoyen, J.A., \*\*Blank, E., \*\*Corkery, S.A., **Butler, E.A.** (2013, January). The interplay of partner influence and individual values predicts daily fluctuations in eating and physical activity. Talk presented at the Society of Personality and Social Psychology Conference, New Orleans, LA.
- \*\*Davis, T. S., \*\*Ford, B. Q., \*\*Riese, M., McRae, K., \*\*Zarolia, P., **Butler, E. A.**, Mauss, I. B. (2013, January). Look on the bright side: Effects of positive reappraisal training on psychological health. Poster presented at the Society for Personality and Social Psychology, Emotion Pre-Conference, New Orleans, LA.
- \*\*Skoyen, J. A., \*Richardson, E.J., Randall, A.K., \*\*Corkery, S. A., Mehl, M.R., & **Butler E. A.** (2013, March). “We” overeat, but “I” can stay thin: Pronoun use and BMIs in couples sharing unhealthy eating habits. Talk presented at the annual meeting of the American Psychosomatic Society, Miami, Florida.
- \*\*Reed, R. G., Barnard, K., & **Butler, E. A.** (2013, March). Volatile interpersonal emotion dynamics in mixed-weight couples. Poster presented at the annual meeting of the American Psychosomatic Society, Miami, Florida.
- \*\*Skoyen, J. A., \*Richardson, E. J., \*\*Randall, A. K., \*\*Corkery, S. A., Mehl, M. R., **Butler E. A.** (2013, March). Eating to regulate emotion, language use, and body composition. Poster presented at the Society of Behavioral Medicine Conference, San Francisco, California.
- Randall, A. K., & **Butler, E. A.** (2013, October). Attachment and emotion a transmission within romantic relationships: Merging intrapersonal and interpersonal perspectives. Poster presented at the International Association for Relationship Research Mini-Conference, Louisville, KY.

- \*Zerwas, F. K., Randall, A., & **Butler, E. A.** (2014, February). Partner influence, anxious attachment, and health habit changes in romantic couples. Poster presented at the Society for Personality and Social Psychology Conference, Austin, TX.
- \*Champion, C. V., Randall, A. K., & **Butler, E. A.** (2014, February). Commitment moderating the relationship between BMI and sexual satisfaction. Poster presented at the Society for Personality and Social Psychology Conference, Austin, TX.
- \*Borders, J. I., Randall, A. K., & **Butler, E. A.** (2014, February). Emotional variability predicting conflict in romantic relationships. Poster presented at the Society for Personality and Social Psychology Conference, Austin, TX.
- \*\* Guan, J., \*\* Reed, R. G., Morrison, C., **Butler, E. A.**, & Barnard, K. (2014, February). Bayesian statistical modeling of temporal interpersonal emotion systems (TIES). Poster presented at the Dynamical Systems and Computational Modeling in Social Psychology pre-conference, Austin, Texas.
- \*\* Skoyen, J.A., Randall, A.K., Mehl, M.R., & **Butler E.A.** (2014, March). Partner negativity when talking about health habits: Gender differences and associations with body mass. Poster presented at the American Psychosomatic Society Conference, San Francisco, California.
- \*\* Reed, R. G., **Butler, E. A.**, & Weihs, K. L. (2014, March). Examination of instability in perceived stress over time as predictive of physical well-being in women with breast cancer. Poster presented at the American Psychosomatic Society Conference, San Francisco, CA.
- \*\* Rentscher, K. E., \*\*Skoyen, J. A., Randall, A. K. & **Butler, E. A.** (2014, March). Romantic partners' eating to regulate emotion is associated with shared health-compromising behaviors. Poster presented at the American Psychosomatic Society Conference, San Francisco, CA.
- Butler, E. A.**, \*\*Guan, J., \*\*Reed, R. G., & Barnard, K. (2014, April). Computational temporal interpersonal emotion systems (CompTIES). Poster presented at the Society for Affective Science Conference, Washington, D.C.
- Butler, E. A.** (September, 2014). Conflicting emotions in close relationships: Ambivalence or balance? Talk presented at the Society for Psychophysiological Research, Atlanta, GA.
- Muraco, J. A., Russell, S. T., Curran, M. A., & **Butler, E. A.** (November, 2014). Minority stress and public displays of affection in gay and lesbian couples. Talk presented at the Annual Conference of the National Council on Family Relations, Baltimore, MD.
- \*\*Skoyen, J. A., \*\*Rentscher, K. E., **Butler, E. A.** (April, 2015). Relationship quality and shared unhealthy behaviors predict body mass index. Poster presented at the Society of Behavioral Medicine Conference, San Antonio, Texas.
- Garcia, D. O., **Butler, E. A.**, & Thomson, C. A. (April, 2015). Gender differences in the associations between body mass index, weight loss attempts, and body weight perceptions among young

hispanic adults. Poster presented at the Society of Behavioral Medicine Conference, San Antonio, Texas.

**\*\*Reed, R. G., Butler, E. A., Sbarra, D. A., Breen, E. C., Irwin, M. R., & Weihs, K. L. (March, 2015).** Associations between pro-inflammatory cytokines and physical symptoms are moderated by emotional acceptance in women with breast cancer. Citation Poster presented at the American Psychosomatic Society Annual Meeting, Savannah, GA.

**\*\*Flores, M. A., \*\*Borders, J., & Butler, E. A. (March, 2015).** Weight maintenance in couples: Positive and negative partner influences on BMI and percent body fat. Poster presented at the American Psychosomatic Society Annual Meeting, Savannah, GA.

**Butler, E. A., \*\*Guan, J., & Barnard, K. (March, 2015).** Bayesian generative modeling of emotion in close relationships. Talk presented at the International Convention of Psychological Science, Amsterdam, NT.

Milek, A., **Butler, E. A., & Bodenmann, G. (March, 2015).** Within- and between-person effects of couple's time together on women's intimacy. Poster presented at the International Convention of Psychological Science, Amsterdam, NT.

**\*\* Guan, J., \*\*Simek, K., \*\*Brau, E., Morrison, C., Butler, E. A., & Barnard, K. (December, 2015).** Bayesian generative modeling for complex dynamic social systems. Paper presented at the annual meeting of Women in Machine Learning, Montreal, Canada.

**Butler, E. A. (January, 2016).** Emotion dynamics within and between people (a.k.a., Time Matters). Talk presented at the annual meeting of the Society for Personality and Social Psychology, San Diego, CA.

**Butler, E. A. (January, 2016).** Interpersonal linkage of respiratory sinus arrhythmia, emotional awareness and social connection. Talk presented at the annual meeting of the Society for Personality and Social Psychology, San Diego, CA.

**\*\* Flores, M. A. & Butler, E. A. (January, 2016).** Ten things I hate about you: Daily negativity, partner influence and support, and daily eating. Talk presented at the annual meeting of the Society for Personality and Social Psychology, San Diego, CA.

**Butler, E. A., Barnard, K., & Guan, J. (January, 2017).** Dynamic system models for studying physiological linkage. Talk presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.

**\*\* Flores, M., \*\* Fonseca, A., Butler, E. A. (January, 2017).** Daily sexual activity in newly cohabiting couples influences health behaviors and weight maintenance. Poster presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.



- \*\* Fonseca, A., \*\* Flores, M., & **Butler, E. A.** (January, 2017). Body satisfaction in individuals with low and high self esteem: The role of romantic partners. Poster presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.
- \* Sawvelle, H., \* Ruiz, L., \* Hollis, M., \*\* Flores, M., & **Butler, E. A.** (January, 2017). Coping and eating together in newly cohabiting couples. Poster presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.
- \* Hollis, M., \*Sawvelle, H., \*Ruiz, L., \*\* Flores, M., & **Butler, E. A.** (January, 2017). Emotional awareness is related love, conflict and ambivalence in newly cohabiting couples. Poster presented at the annual meeting of the Society for Personality and Social Psychology, San Antonio, TX.
- \*\* Flores, M., Ruiz, J. M., Goans, C., **Butler, E.**, Hirai, M., & Smith, T. W. (March, 2017). Ethnic differences in social networks and support: Measurement considerations, and implications for disparities research. Poster presented at the Annual Meeting of the Society of Behavioral Medicine, San Diego, CA.
- Butler, E. A.** (March, 2017). How emotional synchrony both contributes to and reflects relationship quality. Talk presented at the annual International Convention for Psychological Science, Vienna, Austria.
- \*\***Fonseca, A. L.** & Butler E.A. (2018). Respond with love to sustain emotional awareness in romantic couples. Poster presentation at the Annual Convention for the Science of Consciousness, Tucson, AZ.
- \*Romo, M., Fonseca, A. L., & **Butler E. A.** (2018). The effects of relationship conflict and commitment on eating as emotion regulation. Poster Presentation at the Annual Convention for the Society for Personality and Social Psychology, Atlanta, GA.
- \*\*Fonseca, A. L., & **Butler, E. A.** (2018). Physical activity as an emotional awareness enhancer for romantic couples. Poster Presentation at the Annual Convention for the Society for Personality and Social Psychology, Atlanta, GA.
- \*\*Kuelz, A., Boyd, S., & **Butler, E. A.** (2019). Coordination patterns of respiratory sinus arrhythmia (RSA) and emotional experience (EE) as predictors of general stress in couples. Poster presented at the Society for Personality and Social Psychology, Portland, Oregon.
- \*\*Boyd, S., Kuelz, A., & **Butler, E. A.** (2019). Inertia of autonomic markers as predictors of stress. Poster presented at the Society for Personality and Social Psychology, Portland, Oregon.
- Butler, E. A.** (2019). Introducing a new R package (rties) for modeling interpersonal dynamics. Talk presented at the Society for Personality and Social Psychology, Portland, Oregon.
- Butler, E. A.** (2019). Interpersonal emotion dynamics and body weight in romantic couples. Poster presented at the annual meeting of the Society for Affective Science, Boston, Massachusetts.

**Butler, E. A.** (2019). A new R package (rties) for modeling dynamic interpersonal physiology. Talk presented at the annual meeting of the Society for Psychophysiological Research, Washington, D.C.

## EXTERNAL FUNDING

Response system coherence in emotion: Its nature and implications for individuals' well-being. *National Science Foundation*, 3/1/2020-2/28/2024. UA budget \$193,285.

ToMCAT: Theory of Mind-based Coaching Agent for Teams. *Defense Advanced Research Projects (DARPA)*, 11/1/2019-10/31/2023. Total amount \$7,497,548. Co-I (lead PI Dr. Pyarelal).

Targeting interpersonal emotion dynamics as a mechanism for increasing wellbeing in romantic couples. *Binational Science Foundation*, 10/1/2019-9/30/2023. UA budget \$57,902. UA-PI (Israeli PI. Dr. Bar-Kalifa).

Oxytocin pathways and the health effects of human-animal Interaction. *National Institutes of Health*, 12/2018-12/2020. Total amount \$436,860. Collaborator (PI. Dr. MacLean).

Examining social rhythms and sleep as mechanisms for weight gain after job loss. *National Institutes of Health*, 9/2014-8/2019. Total amount \$3,101,435. Co-I (with Dr. Haynes).

Workshop on computationally intensive modeling of dynamic social interaction. *National Science Foundation*, 9/2014-8/2015. Total amount \$49,998. PI.

Computational temporal interpersonal emotion systems (CompTIES) (BCS-1322940). *National Science Foundation*, 8/2013-8/2016. Total amount \$399,246. PI.

Surviving breast cancer: The dynamics of inflammation, emotion, and family (RSG-13-020-01 – CPPB), *American Cancer Society*, 01/2012-12/2015. Total amount \$408,319. PI.

Relationships, emotion, and eating: A dynamic systems investigation of weight gain (R21HL109746-01A1), *National Institutes of Health*, 6/2012-12/2014. Total amount \$404,864. PI.

Cultural similarities and differences in meanings and consequences of advice. *National Science Foundation*, 08/01/10-07/31/13. Total amount \$250,046. Consultant.

## INTERNAL FUNDING

Building capacity for inferring facial communication from video data. *University of Arizona, Accelerate for Success*, 7/01/2017 – 6/31/2018, Total amount \$88,677. Co-I (PI. Dr. Barnard).

Relationships, emotion, and eating. *McClelland Institute for Children, Youth, and Families*, 5/2009-5/2010. Total amount \$4,500. PI.

Love, anger, and food: A biopsychosocial investigation of obesity. *Agricultural Experiment Station, College of Agriculture, University of Arizona*, 2006-2010 (~ \$5,000 and Research Assistant support). PI

Interpersonal emotion regulation. *Anderson Foundation*, 1/2003 – 9/2003. Total amount \$1,000. PI

Interpersonal emotion regulation. *Stanford University Graduate Research Council*, 1/2003 – 9/2003 (\$1,500). PI .

## FUNDING APPLICATIONS SUBMITTED

Improving science vocabulary acquisition for early elementary students: Exploring input variability and learner characteristics. *Institute of Education Sciences*, 7/1/2018-6/30/2022. Total budget \$1,387,403. Co-I (PI. Dr. Alt) (under review).

Response system coherence in emotion: Its nature and implications for individuals' well-being. *National Science Foundation*, 1/1/19-12/31/22. Total UA budget \$205,164. UA PI, .5 person-months (with UC Berkeley PI Dr. Mauss)(under review).

Testing family biofeedback to improve teen emotion regulation and prevent substance use. *National Institute on Drug Abuse*, 9/01/2018 – 8/31/2021. Total amount requested \$729,000. UA-PI (PI. Dr. Lansing, University of Nevada) (under review).

Stress outcomes when communicating remotely with older adult caregivers during a simulated dyspnea crisis in a home setting. *National Institute on Aging (Laurence B. Emmons Research Award)*, 9/2018-9/2019. Total budget \$20,000. Co-I (PI. Dr. Shea, UA Nursing).(not funded)

Professional learning and its impact on student outcomes: Growth in teachers' social emotional cognitive competencies and its impact on student SEL capabilities. *Institute of Education Sciences*, 7/2018-6/2022. Total UA budget \$312,944. UA PI (PI. Dr. Rodriguez, New York University)(not funded).

Co-regulation of emotion in marriage: Basic processes and living with cancer. *National Cancer Institute*, 09/1/2017-08/30/2021. Total UA budget \$408,127. UA PI, 1.35 person-months (with ASU-PI Dr. Shiota, Arizona State University)(not funded).

Computational infrastructure for affective science (CIFAS), *National Science Foundation*, 6/1/17-5/31/20. Total amount requested \$159,955. Co-I, .35 person-month (with PI Dr. Barnard) (not funded)

Horse-human interaction as an experimental context for studying coregulation. *National Science Foundation*, 1/15/2017-1/14/2020. Total amount requested \$425,779. PI, .25 person-month (with Co-I's Barnard and Sbarra).(not funded)

Computational infrastructure for dynamic systems modeling. *National Science Foundation*, 01/01/2017-01/01/2019. Total budget \$1,318,985. Co-I (with PI Dr. Barnard). (not funded)

Theory driven Bayesian modeling as a framework for studying teaminess. White paper submitted to the *Defense Advanced Research Projects Agency (DARPA)*, 12/1/2016-05/1/2018. Total budget \$500K. Co-I (with PI Dr. Barnard) (not funded)

Theory driven Bayesian modeling and inference of relationships, mental states, and social contexts as exhibited in social media. White paper submitted to the *Multidisciplinary Research Program of the*

*University Research Initiative (MURI)*, 12/1/2015-12/1/2020. Total budget \$6.25K. Co-I (with PI Dr. Barnard and Co-Is Chentsova, Ramanan, & Surdeanu)(not funded)

Co-regulation of emotion in marriage: Basic processes and living with cancer. *National Cancer Institute*, 09/1/2015-08/30/2019. Total UA budget \$327,908. UA PI (with ASU-PI Dr. Shiota, Arizona State University)(not funded).

Mindful modeling of emotional dynamics and social relationships to predict health. *National Institute of Aging*, 10/1/14-9/30/16. Total amount requested \$275,249. PI (with Co-I Dr. Barnard) (not funded).

Affective empathy: Stimulus modality, effects of oxytocin, psychopathology links. *National Institute of Health*, 07/1/2014-06/30/2019. Total UA budget \$334,067. UA PI (with Co-PIs, Dr. Shiota, ASU and Dr. Mendes, UCF) (not funded).

The stress response system as a mechanism of calibration to the environment. *NIH Basic Behavioral and Social Sciences Opportunity Network (OppNet)*, 10/2012-10/2015. Total amount requested \$1,436,593. Co-I (with Dr. Ellis) (not funded).

Career: Modeling temporal interpersonal emotion systems (TIES). *National Science Foundation*, 2/2012-1/2017. Total amount requested \$501,754. PI (not funded).

Scientific meeting support grant for the International Association for Relationship Research 2011 Mini-Conference. *American Psychological Association*, 10/2011. Total amount requested \$6,300. PI, (not funded).

Is your marriage making you gain weight? An investigation of family systems and obesity. *Marchionne Foundation Small Grants Program*, 08/01/10-06/01/11. Total amount requested \$37,083. PI, (not funded).

Developing an integrated model of relational, emotional, and physiological mechanisms underlying eating and activity. *National Institute of Mental Health*, 9/2009-9/2011. Total amount requested \$574,113. PI (not funded)

The social cybernetics of behavior change. *National Institute of Mental Health*, 9/2009-8/2014. Total amount requested \$2,472,904. Co-I (not funded)

Love, anger, and food: Marital processes that promote obesity. *US Department of Agriculture*, 9/2009-8/2012. Total amount requested \$489,784. PI, (not funded)

Love, anger, and food. Emotions in couples coping with obesity. *University of Arizona Faculty Small Grants Program*. 2006 & 2008 (not funded).

## **PHD DISSERTATIONS SUPERVISED**

Fonseca, A. (2019). Love is universal but culturally specific: A model for understanding healthy relationship functioning in intercultural couples.

- Flores, M. (2018). Examining three levels of social integration and health in minorities: A bioecological perspective.
- Erickson, D. (2018). From parents to partners: The journey through siblings and peers.
- Guan, J. (2016). Bayesian generative modeling for complex dynamical systems. (Co-advised with Dr. Barnard, Computer Science).
- Reed, G. R., PhD. (2015). Interpersonal immune and emotion dynamics in couples.
- Skoyen, J. A., PhD. (2013). Eating to regulate emotion in the context of long-term relationships.
- Randall, A. K., PhD. (2012). Moderators of couples' emotional coordination: Attachment, cooperation, and marriage type.
- Howerter, A., PhD. (2010). A dynamic systems perspective on interpersonal emotion regulation.
- Rice, D. B., PhD. (2010). Emotional experience, relationship behavior, and glucose regulation in married couples.

### **MASTERS THESES SUPERVISED**

- Erickson, D., MS. (2014). Influences of peer aggression and victimization on sibling aggression.
- Post, J., MS. (2013). Care provider emotion regulation strategies when dealing with distressed patients.
- Reed, R. G., MS. (2012). Understanding physiological linkage: Speech, partner influence, and emotion regulation.
- Chiu, B., MS. (2012). Developing a process model of existential hope with insights from veterans of the global war on terrorism and their significant others.
- Hanna, A. A., MS. (2008). The role of social support in preventing obesity and depression in adolescents.

### **HONORS THESES SUPERVISED**

- M. Chan, 2010; E. Weil, 2011; F. Martin, 2013; N. Ume, 2014; C. Champion, 2014; D. Hee, 2014; H. Joseph, 2014; J. Leone, 2014; K. Gould, 2014; B. Braunstein, 2018

### **AWARDS WON BY STUDENT MENTEES**

- 2008 Ekaterina Taralova (Co-mentored with Kobus Barnard). National Science Foundation Graduate Fellowship.
- 2008 Megan Clarkson. University of Arizona, FSHD Faculty Recognition Award.
- 2009 Brigid Maloney. University of Arizona, FSHD Faculty Recognition Award.
- 2009 Jameela Norton. University of Arizona, FSHD Faculty Recognition Award.
- 2009 Valerie Young. Society for Behavioral Medicine Meritorious Student Poster Award.
- 2009 Ashley Randall. Society for Personality and Social Psychology Travel Award.
- 2009 Ashley Randall. University of Arizona: Graduate and Professional Student Council Travel Award.
- 2009 Shannon Corkery. University of Arizona: Graduate and Professional Student Council Travel Award.
- 2009 Melissa Chan. University of Arizona Student Showcase First Place Poster Award.
- 2010 Ashley Randall. Society for Personality and Social Psychology Poster Award, Finalist.
- 2010 Melissa Chan. Society for Personality and Social Psychology Poster Award, Finalist.
- 2011 Melissa Chan. National Science Foundation Graduate Fellowship.

- 2011 Ashley Randall. Graduate and Professional Student Council Outstanding Research Assistant Award.
- 2011 Ashley Randall. Centennial Achievement Graduate Student Award.
- 2012 Rebecca Reed. CALS Meritorious Graduate Teaching Award
- 2013 Rebecca Reed. PEO Dissertation Scholarship Award.
- 2013 Jane Skoyen. Society of Behavioral Medicine Meritorious Student Poster Award.
- 2013 Amaka Ume. FCS Outstanding Senior Award.
- 2015 Dan Erickson. CALS Meritorious Graduate Teaching Award
- 2017 Melissa Flores. FMI Dissertation Award.
- 2017 Ana Fonseca. FMI Dissertation Award.

### **MEDIA COVERAGE AND SPECIAL RECOGNITION (last 5 years)**

*Guildford Press* (Publisher, Journal of Social and Clinical Psychology, 2010). The effect of overweight women's emotion suppression on romantic relationships and eating. Highlighted as an exemplary article in promotional campaign.

*Miller-McCune* (Electronic news from [www.globalnewsinstitute.org](http://www.globalnewsinstitute.org), 2010). Thinner wife, happier marriage. <http://www.miller-mccune.com/culture-society/thinner-wife-happier-marriage-26859/>

*Wall Street Journal* (Newspaper, New York, 2011). For thinner, for fatter.

<http://online.wsj.com/article/SB10001424052748704590704576091911898190534.html>

*ABC News* (Electronic news from ABC, 2011). Marriages more satisfying when wives are thinner than husbands, study finds. [http://abcnews.go.com/Health/w\\_RelationshipNews/marriages-satisfying-wives-thinner-husbands/story?id=14081017](http://abcnews.go.com/Health/w_RelationshipNews/marriages-satisfying-wives-thinner-husbands/story?id=14081017)

*UA News* (Electronic news from University of Arizona, 2012). Could your relationship be contributing to your weight gain?

<http://uanews.org/story/ua-study-could-your-relationship-be-contributing-your-weight-gain>

*Science of Relationships* (Electronic news from the International Association for Relationship Research, 2012). Battle of the bulge: When your partner is fatter or thinner than you are.

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*American Psychosomatic Society* (Annual conference, March 2013). Volatile interpersonal emotion dynamics in mixed-weight couples.

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*American Psychosomatic Society* (Annual conference, March 2013). “We” overeat, but “I” can stay thin: Pronoun use and BMI in couples sharing unhealthy eating habits.

Highlighted as especially newsworthy and included in conference press release.

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*UA News* (Electronic news from University of Arizona, 2013). Good days, bad days: When should you make sacrifices in a relationship?

<http://www.uanews.org/story/good-days-bad-days-when-should-you-make-sacrifices-in-a-relationship>

*UA News* (Electronic news from University of Arizona, 2013). How men and women cooperate.

<http://uanews.org/story/how-men-and-women-cooperate>

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## RESEARCH INTERESTS

Interpersonal emotion systems and regulation

Dynamic systems modeling of emotional processes in close relationships

Relationships, emotion, and health (obesity, cancer survival)

Social and physiological consequences of emotion regulation

## COURSES TAUGHT

### *Undergraduate*

FSDH 257: Dynamics of Family Relationships (regular and honors sections)

### *Graduate*

FSDH 507A: Research Methods (Core course)

FSDH 537A/L: Introduction to Statistics (Core course)

FSDH 617C: Multilevel Modeling (Core course)

FSDH 617A: Structural Equation Modeling (Core course)

FSDH 602: Relationships, Emotion, and Health (Seminar)