

3/5/2018

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#### Education

Ph.D. (2002) Arizona State University, Psychology; Dissertation: "Social influence and group dynamics: Self-organization in and among groups."

M.A. (1996) San Francisco State University, Psychology; Master's Thesis: "Stereotype-based disidentification and identification to roles within the self."

B.A. (1992) University of California at Santa Cruz, Psychology.

#### Awards

Irwin Altman Outstanding Psychology Faculty Award (2013)

University Early Career Teaching Award (2007)

College of Social and Behavioral Sciences Superior Teaching Award (2007)

### **Research**

#### Published Papers

Cialdini, R. B.; Wosinska, W.; Barrett, D. W.; Butner, J. & Gornik-Durose, M. (1999), 'Compliance with a request in two cultures: The differential influence of social proof and commitment/consistency on collectivists and individualists', *Personality and Social Psychology Bulletin* **25**(10), 1242--1253.

Kenrick, D. T.; Li, N. & Butner, J. E. (2000), 'Dynamical systems and mating decision rules', *Behavioral and Brain Sciences* **23**(04), 607--608.

Cialdini, R. B.; Wosinska, W.; Barrett, D. W.; Butner, J. & Gornik-Durose, M. (2001), 'The differential impact of two social influence principles on individualists and collectivists in Poland and the United States', *The practice of social influence in multiple cultures*, 33--50.

Kenrick, D.; Maner, J. K.; Butner, J.; Li, N. P.; Becker, D. & Schaller, M. (2002), 'Dynamical Evolutionary Psychology', *Personality and Social Psychology Review* **6**(4), 347--356.

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- Aiken, L. S.; Butner, J.; Lockhart, C. A.; Volk-Craft, B. E.; Hamilton, G. & Williams, F. G. (2006), 'Outcome evaluation of a randomized trial of the PhoenixCare intervention: program of case management and coordinated care for the seriously chronically ill', *Journal of palliative medicine* **9**(1), 111--126.
- Kenrick, D. T.; Li, N. P.; Butner, J.; Van Lange, P. A. M. & Kruglanski, A. (2006), 'Dynamical evolutionary psychology: How social norms emerge from individual decisions rules', *Bridging social psychology: The benefits of transdisciplinary approaches*, 285--292.
- Baron, K. G.; Smith, T. W.; Butner, J.; Nealey-Moore, J.; Hawkins, M. W. & Uchino, B. N. (2007), 'Hostility, anger, and marital adjustment: Concurrent and prospective associations with psychosocial vulnerability', *Journal of behavioral medicine* **30**(1), 1--10.
- Butner, J.; Diamond, L. M. & Hicks, A. M. (2007), 'Attachment style and two forms of affect coregulation between romantic partners', *Personal Relationships* **14**(3), 431--455.
- Ko, K. J.; Berg, C. A.; Butner, J.; Uchino, B. N. & Smith, T. W. (2007), 'Profiles of successful aging in middle-aged and older adult married couples.', *Psychology and aging* **22**(4), 705.
- Moore, D. R.; Florsheim, P. & Butner, J. (2007), 'Interpersonal behavior, psychopathology, and relationship outcomes among adolescent mothers and their partners', *Journal of clinical child and adolescent psychology* **36**(4), 541--556.
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- Berg, C. A.; Wiebe, D. J.; Butner, J.; Bloor, L.; Bradstreet, C.; Upchurch, R.; Hayes, J.; Stephenson, R.; Nail, L. & Patton, G. (2008), 'Collaborative coping and daily mood in couples dealing with prostate cancer.', *Psychology and aging* **23**(3), 505.
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- Berg, C. A.; Skinner, M.; Ko, K.; Butler, J. M.; Palmer, D. L.; Butner, J. & Wiebe, D. J. (2009), 'The fit between stress appraisal and dyadic coping in understanding perceived coping effectiveness for adolescents with type 1 diabetes.', *Journal of Family Psychology* **23**(4), 521.
- Butner, J.; Berg, C. A.; Osborn, P.; Butler, J. M.; Godri, C.; Fortenberry, K. T.; Barach, I.; Le, H. & Wiebe, D. J. (2009), 'Parent-adolescent discrepancies in adolescents competence and the balance of adolescent autonomy and adolescent and parent well-being in the context of Type 1 diabetes.', *Developmental psychology* **45**(3), 835.
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- Petrova, P.; Griskevicius, V.; Barrett, D. W.; Gornik-Durose, M. & Butner, J. (2009), 'Resistance to deficient organizational authority: The impact of culture and connectedness in the workplace', *Journal of Applied Social Psychology* **39**(4), 834-851.
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- Berg, C. A.; Wiebe, D. J. & Butner, J. (2010), 'Affect covariation in marital couples dealing with stressors surrounding prostate cancer', *Gerontology* **57**(2), 167--172.

- Finan, P. H.; Hessler, E. E.; Amazeen, P. G.; Butner, J.; Zautra, A. J. & Tennen, H. (2010), 'Nonlinear oscillations in pain prediction accuracy: A dynamical systems approach to understanding daily pain prediction', *Nonlinear dynamics, psychology, and life sciences* **14**(1), 27.
- Malloy, T. E.; Butner, J.; Dickerson, C. & Cooper, J. M. (2010), 'Fearless-evolution on Boolean landscapes: Boolean phase portraits reveal a new navigation strategy based on fearful symmetry', *Emergence: Complexity and Organization* **12**(3), 65.
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- Berg, C. A.; Wiebe, D. J.; Suchy, Y.; Hughes, A. E.; Anderson, J. H.; Godbey, E. I.; Butner, J.; Tucker, C.; Franchow, E. I.; Pihlaskari, A. K. & others (2014), 'Individual differences and day-to-day fluctuations in perceived self-regulation associated with daily adherence in late adolescents with type 1 diabetes', *Journal of pediatric psychology* **39**(9), 1038--1048.
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- Butner, J. E.; Berg, C. A.; Baucom, B. R. & Wiebe, D. J. (2014), 'Modeling coordination in multiple simultaneous latent change scores', *Multivariate behavioral research* **49**(6), 554--570.
- King, P. S.; Berg, C. A.; Butner, J.; Butler, J. M. & Wiebe, D. J. (2014), 'Longitudinal trajectories of parental involvement in Type 1 diabetes and adolescents adherence.', *Health Psychology* **33**(5), 424.
- Wiebe, D. J.; Chow, C. M.; Palmer, D. L.; Butner, J.; Butler, J. M.; Osborn, P. & Berg, C. A. (2014), 'Developmental processes associated with longitudinal declines in parental responsibility and adherence to type 1 diabetes management across adolescence', *Journal of Pediatric Psychology* **39**(5), 532--541.
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- Henry, N. J. M.; Smith, T. W.; Butner, J.; Berg, C. A.; Sewell, K. K. & Uchino, B. N. (2015), 'Marital quality, depressive symptoms, and the metabolic syndrome: a couples structural model', *Journal of behavioral medicine* **38**(3), 497--506.
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- Arbuckle, T. K.; Nambi, M.; Butner, J. E.; Provancher, W. R. & Abbott, J. J. (2016), 'Human Velocity Control of Admittance-Type Robotic Devices With Scaled Visual Feedback of Device Motion', *IEEE Transactions on Human-Machine Systems* **46**(6), 859--868.
- Berg, C. A.; Butner, J. E.; Turner, S. L.; Lansing, A. H.; King, P. & Wiebe, D. J. (2016), 'Adolescents, mothers, and fathers reports of adherence across adolescence and their relation to HbA1c and daily blood glucose', *Journal of behavioral medicine* **39**(6), 1009--1019.
- Berg, C. A.; Queen, T.; Butner, J. E.; Turner, S. L.; Lansing, A. H.; Main, A.; Anderson, J. H.; Thoma, B. C.; Winnick, J. B. & Wiebe, D. J. (2016), 'Adolescent Disclosure to Parents and Daily Management of Type 1 Diabetes', *Journal of pediatric psychology*, jsw056.
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- Lagasse, L. L.; Conrath, E.; Karalunas, S. L.; Dansereau, L. M.; Butner, J. E.; Shankaran, S.; Bada, H.; Bauer, C. R.; Whitaker, T. M. & Lester, B. M. (2016), 'Transactional relations between caregiving stress, executive functioning, and problem behavior from early childhood to early adolescence', *Development and psychopathology* **28**(03), 743--756.

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- Turner, S. L.; Queen, T. L.; Butner, J.; Wiebe, D. & Berg, C. A. (2016), 'Variations in daily sleep quality and type 1 diabetes management in late adolescents', *Journal of pediatric psychology* **41**(6), 661--669.
- Utz, R. L.; Berg, C. A. & Butner, J. (2016), 'Its A Family Affair: Reflections About Aging and Health Within a Family Context', *The Gerontologist*, gnw081.
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- Bryan, C. J., Butner, J. E., Sinclair, S., Bryan, A. B. O., Hesse, C. M., & Rose, A. E. (2017). Predictors of emerging suicide death among military personnel on social media networks. *Suicide and Life-Threatening Behavior*.
- Butner, J. E., Behrends, A. A., & Baucom, B. R. (2017). Mapping co-regulation in social relations through exploratory topology analysis. In Vallacher, R. R., Read, S. J., & Nowak, A. (Eds.). (2017) *Computational social psychology*.

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- Butner, J.E., Wiltshire, T.J., & Munion, A.K. (2017). Modeling multi-agent self-organization through the lens of higher order attractor dynamics. *Frontiers in Psychology*, 8, 380.
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- Butner, J.E. (2017). *Quantitative Reasoning Under a Dynamical Social Science*. Free book downloadable at systems.utah.edu.
- Crowell, S. E., Butner, J. E., Wiltshire, T. J., Munion, A. K., Yaptangco, M., & Beauchaine, T. P. (2017). Evaluating Emotional and Biological Sensitivity to Maternal Behavior Among Self-Injuring and Depressed Adolescent Girls Using Nonlinear Dynamics. *Clinical Psychological Science*, 5(2), 272–285.
- Jostad, J., Sibthorp, J., Butner, J.E., Rochelle, S., & Gookin, J. (2017). Using dynamical systems theory in outdoor adventure education research. *Research in Outdoor Education*, 15(1), 75-113.
- Perry, N., Baucom, K., Bourne, S., Butner, J. E., Crenshaw, A., Hogan, J., ... & Baucom, B. (2017). Graphic Methods for Interpreting Longitudinal Dyadic Patterns From Repeated-Measures Actor-Partner Interdependence Models. *Journal of Family Psychology*, 31(5), 592.
- Queen, T. L., Butner, J., Berg, C. A., & Smith, J. (2017). Activity Engagement Among Older Adult Spousal Caregivers. *The Journals of Gerontology: Series B*.
- Turner, S. L., Berg, C. A., Butner, J. E., & Wiebe, D. J. (2017). Attention Problems as a Predictor of Type 1 Diabetes Adherence and Metabolic Control Across Adolescence. *Journal of Pediatric Psychology*, 43(1), 72-82.
- Wiltshire, T. J., Butner, J. E., & Pirtle, Z. (2017). Modeling change in project duration and completion: Scheduling dynamics of NASA's Exploration Flight Test 1 (EFT-1) activities. *Nonlinear Dynamics, Psychology, and Life Sciences*, 21(3), 335–358.
- Wiltshire, T. J., Euler, M. J., McKinney, T., & Butner, J. E. (2017). Changes in Dimensionality and Fractal Scaling Suggest Soft-Assembled Dynamics in Human EEG. *Frontiers in Physiology*, 8, 633.



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- Wiltshire, T. J.; Butner, J. E. & Fiore, S. M. (2018), 'Problem-Solving Phase Transitions During Team Collaboration', *Cognitive Science*, 42(1), 129-167.
- Berg, C.A., Butner, J., Wiebe, D.J., Lansing, A.H., Osborn, P., King, P.S., Palmer, D.L., ... (In Press). Developmental model of parent-child coordination for self-regulation across childhood and into emerging adulthood: Type 1 diabetes management as an example. *Developmental Review*.
- Taylor-Swanson, L., Wong, A.E., Pincus, D., Butner, J.E., Hahn-Holbrook, J., ... (In Press). The dynamics of stress and fatigue across menopause: Attractors, coupling and resilience. *Menopause*.

#### Conference Presentations and Posters

- Cialdini, R. W.; Barrett, W.; Butner, D. & J. Gornik, M. (1997), 'Individualism/collectivism and compliance resulting from commitment/consistency and social proof.' Paper presentation at the Conference on: The Practice of Social Influence in Established and Emerging Democracies, Prezgorzaly-Krakow, Poland.'
- Asher, T.; Butner, J. & Cialdini, R. (1998), 'The influence of suspense on participant's willingness to volunteer.' Poster presentation at the Western Psychology Association, Albuquerque, New Mexico.'
- Kenrick, D. T.; Li, N. & Butner, J. (1999), 'Evolutionary psychology and dynamical systems: Watching traits unfold in complex networks.' Paper presented at the Human Behavior and Evolution Society 1999 Conference, Salt Lake City, UT'.
- Kenrick, D. T.; Becker, V.; Butner, J.; Li, N. P. & Maner, J. K. (2001), 'Evolutionary cognitive science: Adding what and why to how the mind works.' Paper presented at Australian conference on evolution and cognition, Australia.'
- Khoo, S. T. & Butner, J. (2001), 'Latent Curve Modeling of a Multidimensional Construct: Simultaneous Growth of two latent factors.' Paper presented at American Education Research Association 2001 Conference, Seattle, WA.'

Butner, J. A. & Mulvey G., P. (2002), 'Growth modeling of two cyclical processes: Extending differential structural equation modeling to coupled systems.' Invited talk to the University of Utah, Masters of Statistics Open House.'

Butner, J.; Becker, V.; Maner, J.; Ackerman, J. & Kenrick, D. (2002), 'Waist to Hip Ratio and Body Fat on Attractiveness: A Dynamical Evolutionary Model of Judgment Stability.' Poster presented at HBES.'

Kenrick, D. T.; Li, N. & Butner, J. (2003), 'Evolutionary psychology and dynamical systems: Watching traits unfold in complex networks.' Paper presented at the Society for Personality and Social Psychology 2003 Conference, Universal City, CA.'

Butner, J. (2005), 'Coordinating cycles of emotion.' Paper presented at the Western Psychological Association annual conference, Portland, OR.'

Butner, J. (2005), 'Coordinating cycles of emotion.' Paper presented at the Social Psychology 2005 Ski Conference, Park City, UT.'

Butner, J.; Malloy, T.; Cooper, J. & Smith, T. (2007), 'The knowable unknowns, Winding and unwinding Meta-TAO under broken symmetries.' Paper presented at the society for chaos Theory in Psychology & Life Sciences as part of the symposium Knowing in a World of Broken Symmetries, Orange, CA.'

Cooper, J.; Butner, J.; Malloy, T. & Smith, T. (2007), 'Folding Sierpinski gaskets: The structure of Boolean derivatives in TAO and Meta-TAO.' Paper presented at the Society for chaos theory in Psychology & Life Sciences as part of the symposium Knowing in a World of Broken Symmetries, Orange, CA.'

Malloy, T.; Butner, J.; Cooper, J. & Smith, T. (2007), 'The puzzling powers of two: A brief introduction to epistemology and to a Boolean systems simulation methodology.' Paper presented at the Society for chaos Theory in Psychology & Life Sciences as part of the symposium Knowing in a World of Broken Symmetries, Orange, CA.'

Malloy, T.; Butner, J.; Cooper, J.; Smith, T. & Dickerson, C. (2007), 'Knowing begets knowing: Derivatives and meta-derivatives reveal the topology of basin landscape in Boolean XOR rings.' Paper presented at the Society for chaos Theory in Psychology & Life Sciences as part of the symposium Knowing in a World of Broken Symmetries, Orange, CA.'

Berg, C. A.; Skinner, M. A.; Wiebe, D. J.; Butner, J.; Freitag, M. & Forsman, M. (2009), Shared daily distress in husbands and wives dealing with prostate cancer, *in* 'Gerontologist', pp. 28--28.

Berg, C. A.; Wiebe, D. J. & Butner, J. (2009), Emotional transimission in marital couples dealing with stressors surrounding prostate cancer, *in* 'Gerontologist', pp. 509--510.

Butner, J.; Story, T. N.; Berg, C. & & Wiebe, D. (2009), 'Dimensionality: Towards an understanding of diabetes regulation.' Paper presented at the Western Psychological Association, Portland, OR.'

Palmer, D. L.; Osborn, P.; Berg, C. A.; Butler, J.; Butner, J.; Horton, D.; King, P. & & Wiebe, D. J. (2009), 'Modeling parental involvement and predicting adherence in type 1 diabetes during adolescence.' Poster presented at the Midwest conference on Pediatric Psychology, University of Kansas, Kansas City, MO.'

Story, T. N.; Butner, J.; Berg, C. & & Wiebe, D. J. (2009), 'Searching for complex patterns in blood glucose of adolescents with type 1 diabetes: A fractal approach to vigilance.' Poster presented at the Western Psychological Association, Portland, OR.'

Berg, C. A.; Wiebe, D. J. & & Butner, J. (2010), 'Problem anticipation and daily adjustment in couples coping with prostate cancer.' In C. Hoppman & D. Gerstorf (Organizers). Symposium presented at the Gerontological Society of America Meetings, New Orleans, LA.'

Berg, C. A.; Wiebe, D. J. & Butner, J. (2010), Problem anticipation and daily adjustment in couples coping with prostate cancer, *in* 'Gerontologist', pp. 5--6.

Berg, C.; Wiebe, D.; King, P.; Butner, J. & & Butler, J. (2011), 'Coregulation of daily affect in adolescents with type 1 diabetes and their parents.' In G. Luong & S. Charles (Organizers), The positive and negative side of social relationships: Influences on well-being. Symposium at the Gerontological Society of America, Boston, MA.'

Berg, C. A.; Wiebe, D. J.; King, P. S.; Butner, J. & Butler, J. (2011), Coregulation of daily affect in parents and adolescents with type 1 diabetes, *in* 'Gerontologist', pp. 524--524.

Wiebe, D.; Butner, J.; King, P.; Butler, J. & Berg, C. (2011), Maternal Monitoring and the Adaptiveness of Parent-Adolescent Diabetes Transactions over Time, *in* 'Annals of Behavioral Medicine', pp. S60--S60.

Butner, J. (2012), 'Modeling oscillations through differential equations.' Workshop at Society for Chaos in the Psychological and Life Sciences, Baltimore, MD.'

Butner, J. (2012), 'Combining first and second order models.' Presentation at the Society for Chaos in the Psychological and Life Sciences, Baltimore, MD.'

Butner, J.; Gagnon, K.; Geuss, M.; Malloy, T.; Kramer, M. & & Stefanucci, J. (2012), 'Form perception through phase relations of the retina ganglion cell firing and extraocular muscle contraction.' Demo and poster at Vision Sciences Society, FL.'

Choi, A.; Sansone, C.; Butner, J. & & Zachary, J. (2012), 'Examining off-task behaviors as regulatory mediators of interest and performance online.' Abstract published in *International Journal of Psychology*, 47, 791-791.'

Wiebe, D.; Chow, C.; Butner, J.; Palmer, D.; Story, N.; Osborn, P. & Berg, C. (2012), 'Longitudinal predictors of parental involvement and type 1 diabetes management across adolescence.' Abstract published in *Annals of Behavioral Medicine*, 43, S82-S82.'

Wiebe, D.; Chow, C.; Butner, J.; Palmer, D.; Story, N.; Osborn, P. & Berg, C. (2012), Longitudinal predictors of parental involvement and type 1 diabetes management across adolescence, *in 'Annals of Behavioral medicine'*, pp. S82--S82.

Berg, C. A.; Wiebe, D. J.; King, P.; Turner, S. L.; Hughes, A. E. & Butner, J. (2013), 'A multiple-informant and multiple-methods approach to adherence behaviors for understanding metabolic control in adolescents with type 1 diabetes.' Poster presented at the National Conference in Pediatric Psychology.'

Berg, C. A.; Wiebe, D. J.; Suchy, Y. S.; Hughes, A. E.; Franchow, E.; Butner, J. & Pihliskari, A. (2013), 'Perceived regulatory competencies associated with daily adherence in late adolescence.' Paper presented at the Annual meeting and Scientific Sessions of the Society of Behavioral Medicine.'

Butner, J.; Wilson, S. & Berg, C. A. (2013), 'Exploratory construction of the topology for parent-adolescent co-regulation of type 1 diabetes.' Presented at the Society for Personality and Social Psychology, Dynamical Systems Preconference, Austin, TX.'

Butner, J.; Berg, C. A.; Baucom, B. R. & Wiebe, D. J. (2013), 'Modeling coordination in multiple simultaneous latent difference scores for four measures of diabetes regulation.' Presented at the Society for Chaos Theory, Psychology and Life Sciences, Portland, OR.'

Butner, J. & Sansone, C. (2014), 'Self-regulating motivation and performance over time.' Presented at the Fred Rhodewalt Social Psychology Winter conference, park City, UT.'

Butner, J. E. (2014), 'There Shouldn't Be Dragons Graphing the Cup-L Project' Presentation at Computational Modeling of Temporal Interpersonal Emotion Systems'.

Sansone, C.; Sinclair, S.; Fraughton, T. A.; Butner, J. & Zachary, J. (2014), 'Distinguishing interest, engagement and achievement: An online learning approach.' In S. Hidi (chair), Current approaches to interest measurement. Structured poster session at the Annual Meeting of the American Educational Research Association, Philadelphia, PA.'

Sinclair, S.; Butner, J.; Zachary, J. & Sansone, C. (2014), 'Off-task types and switching to off-task from lesson influence motivation and performance.' Presented at the Annual Meeting of the Association for Psychological Science, San Francisco, CA.'

Sinclair, S.; Butner, J.; Sansone, C. & Zachary, J. (2014), 'How do students manage interest while working online through temporal patterns of off-task behavior?' Presented at the Annual Meeting of the Society for Personality and Social Psychology, Austin, TX.'

Williams, P. G.; Butner, J.; Rau, H. K.; Bride, D.; Cribbet, M. R.; Silver, M.; Wilson, S. & Baucom, B. (2014), 'A dynamical systems analysis of autonomic nervous system activation in the pre-sleep period' Poster presented at the 72nd meeting of the American Psychosomatic Society, San Francisco, CA.'

Williams, P. G.; Butner, J.; Rau, H. K.; Bride, D. L.; Cribbet, M.; Silver, M.; Wilson, S. & Baucom, B. (2014), A dynamical systems examination of autonomic nervous system activation in the pre-sleep period, *in* 'Psychosomatic Medicine', pp. A124--A124.

Berg, C. A.; Suchy, Y.; Wiebe, D.; Turner, S.; Queen, T.; Winnick, J.; Anderson, J.; Hughes, A.; Durracio, K. & Butner, J. (2015), The Relation between Adolescents and Parents Reports of Self-Regulation Skills and Performance-based Measures in Late Adolescents with Type 1 Diabetes, *in* 'Diabetes', pp. A367--A367.

Butner, J. & Baucom, B. (2015), 'Mapping Heart Rate: Topology and Topography of Physiological Co-Regulatory Stress' Invited Symposium at SESP'.

Butner, J. E. (2015), 'It is All About Coordinating the Family: Adherence as a Regulatory Phenomenon from a Dynamical Systems Perspective' Invited talk at the University of Cincinnati'.

Jostad, J.; Sibthorp, J. & Butner, J. E. (2015), By posters presentations using dynamical systems theory in outdoor experimental education, *in* '2015 Symposium on Experiential Education Research', pp. 8.

Perry, N. S.; Butner, J.; Hogan, J.; Crenshaw, A.; Bourne, S.; Baucom, K. J. W. & Baucom, B. R. (2015), 'Using Vector Fields to Plot and Interpret Cross-Lagged Panel Models' Poster presented at the 49th annual convention of the Association for Behavioral and Cognitive Therapies (ABCT), Chicago, IL.'

Turner, S. L.; Suchy, Y.; Queen, T. L.; Duraccio, K.; Wiebe, D. J.; Butner, J. E.; Franchow, E. I.; White, P. C.; Murray, M. A. & Berg, C. A. (2015), Assessing Executive Function in Type 1 Diabetes: Relations to Adherence and Glycemic Control, *in* 'Diabetes', pp. A223--A223.

Butner, J. E. & Baucom, B. (2016), 'Dynamical Systems Modeling' Five day workshop for the Consortium for Families and Health Research, University of Utah'.

Butner, J. E. (2016), 'Dynamical Systems Modeling' Half day workshop for the Society for Chaos Theory in the Psychological and Life Sciences. Salt Lake City, UT.'

Christina S. Soma, Bo Xiao, J. E. B. P. H. B. R. B. S. N. D. A. A. & Imel, Z. E. (2016), 'Using Dynamic Systems to Model the Therapeutic Relationship' Poster at APA'.

Williams, P. G.; Butner, J.; Rau, H. K.; Bride, D. & Cribbet, M. R. (2016), 'Individual differences in self-regulatory capacity and autonomic nervous system activation during the pre-sleep period: A dynamical systems examination.' Symposium paper (Symposium title: The Other

Third of Our Lives: A Self-Regulatory Perspective on Sleep and Social Behavior) presented at the annual meeting of the Society for Personality and Social Psychology, San Diego, CA.'

Winnick, J. B.; Berg, C. A.; Wiebe, D. J.; Schaefer, B. A.; Lei, P.-W. & Butner, J. E. (2017), 'Metabolic Control and Academic Achievement Over Time Among Adolescents With Type 1 Diabetes.' Poster, Educational Publishing Foundation.

Butner, J.E. (2017). Simplifying the complexity of interpersonal emotion dynamics with regression graphics. Organizer and speaker in symposium at the International Conference on Psychological Sciences, Vienna, Austria.

Butner, J.E. & Berg, C. A. (2017). Dynamical systems modeling, 3 hour workshop for Society for Behavioral Medicine. San Diego, CA.

Butner, J.E. (2017). A dynamical systems take on group dynamics. Invited talk at Chapman University.

Munion, A., Butner, J., Wiebe, C., Kelly, C., Turner, S.L., & Munion, C. (2017). Self- and social regulation in emerging adults with type 1 diabetes. Poster at Society for Behavioral Medicine. San Diego, CA.

Butner, J.E. (2018). Attendee to the Dynamical Systems Workshop at the Army Research Laboratory West.

#### Active Grants

NSF: 1329091 (Cashdan (PI); Creem-Regehr, Miller & Stefanucci (co-PI's))  
 IBSS: Age Changes and Sex Differences in Spatial Cognition: Testing the Role of Mobility in Three Non-Industrial Societies and the US  
 Start-end: 9/15/2013-2/28/2018  
 Total budget: \$999,871 (directs: \$699,629; indirects: \$300,242)  
 Commitment in person-months per year: 0.15 months in each of the five years

NSF: 1628583 (Cashdan (PI); Stefanucci (co-PI))  
 IBSS: Mobility and Spatial Reasoning from Middle Childhood Through Adolescence: A Cross-Cultural Study  
 Start-End: 9/1/2016-8/31/2018  
 Total budget: \$199,926 (directs: \$158,671; indirects: \$41,255)  
 Commitment in person-months per year: 0.25 months in year 2.

NIH-NIDDK: 1DP3DK103999 (Berg)  
 Self-Regulation and Collaborative Coping with Type 1 Diabetes over Life Span  
 Start-end: 9/18/2014-6/30/2019  
 Total budget: \$3,874,558 (directs: \$3,229,746; indirects: \$644,812)  
 Commitment in person-months per year: 0.5 months in year 1; 1.6 months in years 2-5

**Previous Support (Last 5 Years):**

NIH-NIA: 1R03AG048333 (Queen)

Health Influences on Trajectories of Activity Engagement in Older Couples

Start-end: 9/15/2015-4/30/2017

Total budget: \$149,000 (directs: \$100,000; indirects: \$49,000)

Commitment in person-months per year: .23 calendar months.

NIH-NCI: 5R01CA158322 (Leachman & Aspinwall)

Impact of Melanoma Genetic Testing on Health Cognitions and Prevention Behaviors

Start-end: 4/8/2011-3/31/2016

Total budget: \$2,719,544 (directs: \$1,821,376; indirects: \$898,168)

Commitment in person-months per year: 1 month in each of the five years.

NIH-NIDDK: R01DK092939 (Berg & Wiebe)

A Self-Regulation Approach to Diabetes Adherence into Emerging Adulthood

Start-end: 7/1/2011-4/30/2016

Total budget: \$2,790,631 (directs: \$2,292,909; indirects: \$497,722)

Commitment in person-months per year: 0.6 months in year 1; 2 months per year in years 2-5.

NASA: NNX11AR71A (Butner)

Assessing Performance in Nonlinear Management Systems

Start-end: 4/1/2014-3/31/2016

Total budget: \$389,000 (directs: \$261,074; indirects: \$127,926)

Commitment in person-months per year: 2 months.

Northrop Grumman Corporation (flow through DOD): 7500133206 (Bryan)

Time-Dependent Analysis

Start-end: 6/10/2015-3/29/2016

Total budget: \$213,973 (directs: \$143,606; indirects: \$70,367)

Commitment in person-months per year: 1.2 calendar months.

NSF IBSS 1329091 (Cashdan (PI); Creem-Regehr, Miller & Stefanucci (co-PI's))

Age changes and gender differences in spatial cognition: Testing the role of mobility in three non-industrial societies and the U.S.

Start-end: 2013-2016

Total budget: \$999,871

Previous support (more than 5 years)

Sansone, C., Zachary, J. L., & Thompson, W. B. (2008). Increasing student motivation without compromising student performance in online classes. National Science Foundation, \$499,370 (DRL-0735264). Role – consultant.

Hwang, W. (2007). Adapting cognitive behavioral therapy (CBT) for Chinese Americans. National Institutes for Mental Health, \$405,000 (1 R34 MH073545-01A2). Role – consultant.

Wiebe, D., & Berg, C. (2005). R01 at the National Institute of Mental Health, \$2,800,000. Role – consultant.

- Kramer, M. (2005). Cell-phone-induced distraction in adolescent drivers. R03 at the National Institute of Mental Health, \$100,000. Role – consultant.
- Florsheim, P. (2004). Preventive intervention for young co-parenting in couples. R21 at the National Institute of Mental Health, \$375,000. Role – consultant.
- Butner J. & Diamond, L.M. (2003). *Coregulation of positive affect in couples: Associations with future well-being and relationship quality*. College of Social and Behavioral Sciences Incentive Grant, \$6,000. Goal – Expanding on a new statistical technique for modeling entrainment of positive and negative affect in dyads.
- Diamond, L.M. & Butner, J. (2003). *Coregulation of positive affect in couples: Associations with future well-being and relationship quality*. John Templeton Foundation, Young Scholar Grant in Positive Psychology, \$10,000. Goal – Expanding on a new statistical technique for modeling entrainment of positive and negative affect in dyads.
- Khoo, S.T., & Butner, J. (1999). *Measurement models in longitudinal growth curve analysis*. John Hopkins University, total grant \$6400. Goal – Examine the role of second order multifactor models in growth curve analysis.

Adhoc Reviewer Over last Five Years for the following journals

American Psychologist  
Current Directions in Psychological Science  
Emotion  
Journal of Mathematical Psychology  
Journal of Organizational Behavior  
Journal of Social and Clinical Psychology  
Multivariate Behavioral Research  
Health Psychology  
Personality and Individual Differences  
Psychological Methods  
Journal of Counseling Psychology