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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

Uchino, B.N., Smith, T.W., Light, K.C. & Butner, J. (2015). It’s complicated: marital ambivalence on ambulatory blood pressure and daily interpersonal functioning. *Annals of Behavioral Medicine*.

Henry, N. J., 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*.

Cundiff, J. M., Smith, T. W., Butner, J., Critchfield, K. L., & Nealey-Moore, J. (2015). Affiliation and control in marital interaction: Interpersonal complementarity is present but is not associated with affect or relationship quality. *Personality and Social Psychology Bulletin*, 41(1), 35-51.

Butner, J., Gagnon, K. T., Geuss, M. N., Lessard, D. A., & Story, T. N. (2014). Using topology to generate and test theories of change. *Psychological Methods*.

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.

Butner, J. E., Dyer, H. L., Malloy, T. S., & Kranz, L. V. (2014). Uncertainty in cost performance as a function of the cusp catastrophe in the NASA program performance management system. *Nonlinear Dynamics in Psychology and Life Sciences*, 18(4), 397-417.

- Berg, C. A., Wiebe, D. J., Suchy, Y., Hughes, A. E., Anderson, J., Godbey, E., Butner, J., Tucker, C., Franchow, E. I., Pihlaskari, A. K., King, P., Murray, M. A., & White, P. C. (2014). Individual differences and daily fluctuation in perceived self-regulation associated with daily adherence in teens with type 1 diabetes. *Journal of Pediatric Psychology, 39*(9), 1038-48.
- 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*, 424-432.
- Wilson, S., Barrineau, M. J., Berg, C. A., & Butner, J. (2014). Shared possible selves, other-focus, and perceived wellness of couples with prostate cancer. *Journal of Family Psychology, 28*(5), 684-691.
- 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.
- Berg, C. A., Butner, J., Butler, J. M., King, P. S., Hughes, A. E., & Wiebe, D. J. (2013). Parental persuasive strategies in the face of daily problems in adolescent type 1 diabetes management. *Health Psychology, 32*, 719-728.
- King, P. S., Berg, C. A., Butner, J., Drew, L. M., Foster, C., Donaldson, D., Swinyard, M., Murray, M., & Wiebe, D. J. (2012). Longitudinal trajectories of metabolic control across adolescence: Associations with parental involvement, adolescents' psychosocial maturity, and health care utilization. *Journal of Adolescent Health, 50*(5), 491-496.
- Fraughton, T., Sansone, C., Butner, J., & Zachary, J. (2012). Interest and performance when learning online: Providing utility value information can be important for both novice and experienced students. *International Journal of Cyber Behavior, Psychology and Learning.*
- Palmer, D. L., Osborn, P., King, P. S., Berg, C. A., Butler, J., Butner, J., Horton, D., & Wiebe, D. J. (2011). The structure of parental involvement and relations to disease management for youth with type 1 diabetes. *Journal of Pediatric Psychology, 36*, 596-605.
- Smith, T. W., Uchino, B. N., Florsheim, P., Berg, C. A., Butner, J., Hawkins, M., Henry, N. J. M., Beveridge, R. M., Pearce, G., Hopkins, P. N., & Yoon, H. (2011). Affiliation and control during marital disagreement, history of divorce, and asymptomatic coronary artery calcification in older couples. *Psychosomatic Medicine, 73*, 350-357.
- Butner, J., Story, T. N., Berg, C. A., & Wiebe, D. J., (2011). Fractals, vigilance and adolescent diabetes management: A case for when regulation may be difficult to measure with the current medical standards. *Multivariate Behavioral Research, 46*, 33-57.
- Sansone, C., Fraughton, T., Zachary, J., Butner, J., & Heiner, C. (2011). Self-regulation of motivation when learning online: The importance of who, why and how. *Educational Technology Research and Development, 59*, 199-212.
- Berg, C. A., Wiebe, D. J., & Butner, J. (2011). Affect covariation in marital couples dealing with stressors surrounding prostate cancer. *Gerontology, 57*, 167-172.
- Malloy, T. E., Butner, J., Dickerson, C., & Cooper, J. (2010). Fearless evolution on Boolean landscapes: Boolean phase portraits reveal a new navigation strategy based on fearful symmetry. *Emergence, 12*, 65-95.
- Suchy, T., Williams, P. G., Kraybill, M. L., Franchow, E., & Butner, J. (2010). Instrumental activities of daily living among community-dwelling older adults: Personality

- associations with self-report, performance, and awareness of functional difficulties. *Journal of Gerontology Series B*, 65, 542-550.
- Palmer, D. L., Osborn, P., King, P. S., Berg, C. A., Butler, J., Butner, J., Horton, D., & Wiebe, D. J. (2010). The structure of parental involvement and relations to disease management for youth with type 1 diabetes. *Journal of Pediatric Psychiatry*. April 1.
- Wiebe, D. J., Croom, A., Fortenberry, K. T., Butner, J., Butler, J., Swinyard, M. T., Lindsay, R., Donaldson, D., Foster, C., Murray, M., & Berg, C. A. (2010). Parental involvement buffers associations between pump duration and metabolic control among adolescents with type 1 diabetes. *Journal of Pediatric Psychiatry*, 35, 1152-1160.
- Finan, P. H., Hessler, E. E., Amazeen, P. G., Butner, J., Zautra, A. J., & Tennen, H. (2010). Oscillations in daily pain prediction accuracy. *Nonlinear Dynamics Psychology and Life Sciences*, 14, 27-46.
- Butner, J., Berg, C., Osborn, P., Butler, J., Godri, C., Fortenberry, K., Barach, I., Le, H., & Wiebe, D. (2009). Parent-adolescent discrepancies and the balance of adolescent autonomy and adolescent and parent well-being in a stressful context. *Developmental Psychology*, 835-849.
- Forenberry, K. T., Butler, J. M., Butner, J., Berg, C. A., Upchurch, R., & Wiebe, D. J., (2009). Perceived diabetes task competence mediates the relationship of both negative and positive affect with blood glucose in adolescents with type 1 diabetes. *Annals of Behavioral Medicine*, 37, 1-9.
- Wosinska, W., Cialdini, R. B., Petrova, P. K., Barrett, D. W., Gornik-durose, M., Butner, J., & Griskevicius, V. (2009). Resistance to deficient organizational authority: The impact of culture and connectedness in the workplace. *Journal of Applied Social Psychology*, 39, 834-851.
- 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, 521-530.
- Horton, D., Berg, C. A., Butner, J., & Weibe, D. J. (2009). The role of parental monitoring in metabolic control: Effect on adherence and externalizing behaviors during adolescence. *Journal of Pediatric Psychology*, 34, 1008-1018.
- Malloy, T. E., Butner, J., & Jensen, G. C. (2008). The emergence of dynamic form through phase relations in dynamic systems. *Nonlinear Dynamics in the Psychological and Life Sciences*, 12, 371-395.
- Berg, C. A., Wiebe, D. J., Butner, J., Bloor, L., Bradstreet, C., Utchurch, 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, 505-516.
- Butner, J., Pasupathi, M., & Vallejos, V. (2008). When the facts just don't add up: The fractal nature of conversational stories. *Social Cognition*, 26, 670-699.
- Butner, J., Diamond, L., & Hicks, A. (2007). Attachment style and two forms of emotion co-regulation between romantic partners. *Personal Relationships*, 14, 431-455.
- Moore, D., Florsheim, P., & Butner, J. (2007). Interpersonal behavior, psychopathology, and relationship outcomes among adolescent mothers and the partners. *Journal of Adolescent Health*, 36, 541-556.
- Ko, K., Berg, C. A., Uchino, B., Butner, J., & Smith, T. (2007). Profiles of successful aging in middle-aged and older married couples. *Psychology and Aging*, 22, 705-718.

- 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*, 1-10.
- Aiken, L., Butner, J., Lockhart, C., Volk-Craft, B., Hamilton, G., & Williams, F. (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*.
- Butner, J., Amazeen, P., & Mulvey, G. (2005). Multilevel modeling of two cyclical processes: Extending differential structural equation modeling to coupled systems. *Psychological Methods*, *10*, 159-177.
- Maner, J. K., Kenrick, D. K., Neuberg, S. L., Becker, D. V., Butner, J., & Schaller, M. (2005). Functional projection: How fundamental social motives can bias interpersonal perception. *Journal of Personality and Social Psychology*, *88*, 63-78.
- Barrett, D.W., Wosinska, W., Butner, J., Petrova, P., Gornik-Durose, M., & Cialdini, R.B. (2003). Individual differences in the motivation to comply across cultures: the impact of social obligation. *Personality and Individual Differences*.
- Kenrick, D. T., Li, N., & Butner, J. E. (2003). Dynamical evolutionary psychology: Individual decision-rules and emergent social norms. *Psychological Review*, *110*, 3-28.
- Kenrick, D.T., Maner, J., Butner, J., Li, N.P., Becker, V & Schaller, M. (2002). Dynamical evolutionary psychology: Mapping the domains of the new interactionist paradigm. *Personality and Social Psychology Review*, *347-356*.
- Cialdini, R. , Wosinska, W., Barrett, D., Butner, J., & Gornik-Durose, M. (2001). The differential impact of two social influence principles on individualists and collectivists in Poland and the United States. In Wosinska, W., Cialdini, R., Barrett, D., & Rejkowski, J. (Eds.) *The Practice of Social Influence in Multiple Cultures* (pp.33-50). Mahwah, New Jersey, Lawrence Erlbaum Associates
- Kenrick, D. T., Li, N., & Butner, J. E. (2000). Dynamical systems and mating decision rules. *Behavioral and Brain Sciences*, *23*(4), 607-608.
- Cialdini, R. , Wosinska, W., Barrett, D., Butner, J., & Gornik, 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.

Book Chapters

- Butner, J., & Story, T. N. (2010). Oscillators with differential equations. In S. Guastello and R. Gregson (Eds.) *Nonlinear Dynamical Systems Analysis for the Behavioral Sciences: Real Data*. CRC Press.
- Butner, J. (2007). Dynamical systems theory. In R. Baumeister and K. Voss (Eds), *Encyclopedia of Social Psychology*.
- Kenrick, D.T., Becker, V., Butner, J., Li, N.P., & Maner, J.K. (2003). Evolutionary cognitive science: Adding what and why to how the mind works. In M. Coltheart, J. Fitness and K. Sterelny (Eds.) *Evolution and Cognition*.

Conference Presentations and Posters

- Williams, P. G., Butner, J., Rau, H. K., Bride, D., Cribbet, M. R., Silver, M., Wilson, S., & Baucom, B. (2014, March). 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.
- Sinclair, S., Butner, J., Zachary, J., & Sansone, C. (2014, May). 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.
- Butner, J., & Sansone, C. (2014, January). Self-regulating motivation and performance over time. Presented at the Fred Rhodewalt Social Psychology Winter conference, park City, UT.
- Sinclair, S., Butner, J., Sansone, C., & Zachary, J. (2014, February). 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.
- Sansone, C., Sinclair, S., Fraughton, T. A., Butner, J., & Zachary, J. (2014, April). 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.
- 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.
- Berg, C. A., Wiebe, D. J., King, P., Turner, S. L., Hughes, A. E., & Butner, J. (2013, April). 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, March). 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.
- Choi, A., Sansone, C., Butner, J., & Zachary, J. (2012, January). 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, April). Longitudinal predictors of parental involvement and type 1 diabetes management across adolescence. Abstract published in *Annals of Behavioral Medicine*, 43, S82-S82.
- 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.
- Wiebe, D., Chow, C., Butner, J., Palmer, D., Story, N., Osborn, P., & Berg, C. (2012, April). Longitudinal predictors of parental involvement and type 1 diabetes management across adolescence. Paper presented at the Society for Behavioral Medicine, New Orleans, LA.

- 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.
- Berg, C., Wiebe, D., King, P., Butner, J., & Butler, J. (2011, November). 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., & Butner, J. (2010, November). 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.
- Butner, J., Story, T. N., Berg, C., & Wiebe, D. (2009, April). Dimensionality: Towards an understanding of diabetes regulation. Paper presented at the Western Psychological Association, Portland, OR.
- Story, T. N., Butner, J., Berg, C., & Wiebe, D. J. (2009, April). 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.
- Palmer, D. L., Osborn, P., Berg, C. A., Butler, J., Butner, J., Horton, D., King, P., & Wiebe, D. J. (2009, April). 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.
- Malloy, T., Butner, J., Cooper, J., & Smith, T. (2007, July). 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, July). 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.
- Cooper, J., Butner, J., Malloy, T., & Smith, T. (2007, July). 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.
- Butner, J., Malloy, T., Cooper, J., & Smith, T. (2007, July). 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.
- Butner, J. (2005, April). Coordinating cycles of emotion. Paper presented at the Western Psychological Association annual conference, Portland, OR.
- Butner, J. (2005, January). Coordinating cycles of emotion. Paper presented at the Social Psychology 2005 Ski Conference, Park City, UT.
- Kenrick, D. T., Li, N., & Butner, J. (2003, February). *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. Amazeen, P., Mulvey G. (2002, October). 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, August). *Waist to Hip Ratio and Body Fat on Attractiveness: A Dynamical Evolutionary Model of Judgment Stability*. Poster presented at HBES.
- Kenrick, D.T., Becker, V., Butner, J., Li, N.P., & Maner, J.K. (2001, August). *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, April). *Latent Curve Modeling of a Multidimensional Construct: Simultaneous Growth of two latent factors*. Paper presented at American Education Research Association 2001 Conference, Seattle, WA.
- Kenrick, D. T., Li, N., & Butner, J. (1999, June). *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
- Asher, T., Butner, J., & Cialdini, R. (1998, April). *The influence of suspense on participant's willingness to volunteer*. Poster presentation at the Western Psychology Association, Albuquerque, New Mexico.
- Cialdini, R. Wilhelmina, W., Barrett, D., Butner, J. Gornik, M. (1997, August). *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, Prezogorzaly-Krakow, Poland.

Active Grants

- Butner, J. (2011-2013; Funded Continuation 2013-2016). Assessing performance in nonlinear management systems. NASA Shared Services Center, Initial \$83,859; Continuation another \$100,000 immediate with an additional \$391,179 to be evaluated and provided quarterly. Total of \$575,038. Role – Principal Investigator.
- Aspinwall, L. G., & Leachman, S. A. (2011-2016). Impact of melanoma genetic testing on health cognitions and prevention behaviors. R01 at the National Cancer Institute, \$2,719,544. Role – Consultant.
- Berg, C., & Wiebe, D. (2011-2016). A self-regulation approach to diabetes adherence into emerging adulthood. NIDDK, \$2,780,629. Role – Investigator.
- Cashdan, E., Creem-Regehr, S., Stefanucci, J., Miller, H., Marlowe, Sugiyama, (2013-2016). Age changes and gender differences in spatial cognition: Testing the role of mobility in three non-industrial societies and the U.S. National Science Foundation. \$999,871 (NSF IBSS 1329091). Role – Consultant.

Previously Funded Grants

- 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
 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