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**Jonathan E. Butner**

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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.

Positions, Scientific Appointments, and Honors

2021- Sigma Xi Full Member

2021 - 2023 Chair, Department of Psychology, University of Utah

2015- Professor, Department of Psychology, University of Utah,

2013 Irwin Altman Outstanding Psychology Faculty Award, University of Utah

2009 Associate Professor, Department of Psychology, University of Utah

2007 University Early Career Teaching Award, University of Utah

2007 Superior Teacher Award, College of Social and Behavioral Sciences, Utah

2002 Assistant Professor, Department of Psychology, University of Utah

**Research (Italicized: Utah Student/post doc first author)**

Published Papers

1999

1. 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.

2000

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

2001

1. 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.

2002

1. Kenrick, D. T.; Maner, J. K.; **Butner, J.**; Li, N. P.; Becker, D. V. & Schaller, M. (2002), 'Dynamical evolutionary psychology: Mapping the domains of the new interactionist paradigm', *Personality and Social Psychology Review* **6**(4), 347--356.

2003

1. Kenrick, D. T.; Li, N. P. & **Butner, J**. (2003), 'Dynamical evolutionary psychology: individual decision rules and emergent social norms.', *Psychological Review* **110**(1), 3.

2004

1. Barrett, D. W.; Wosinska, W.; **Butner, J.**; Petrova, P.; Gornik-Durose, M. & Cialdini, R. B. (2004), 'Individual differences in the motivation to comply across cultures: The impact of social obligation', *Personality and individual differences* **37**(1), 19--31.

2005

1. **Butner, J.**; Amazeen, P. G. & Mulvey, G. M. (2005), 'Multilevel modeling of two cyclical processes: extending differential structural equation modeling to nonlinear coupled systems.', *Psychological methods* **10**(2), 159.
2. Maner, J. K.; Kenrick, D. T.; Becker, D. V.; Robertson, T. E.; Hofer, B.; Neuberg, S. L.; Delton, A. W.; **Butner, J**. & Schaller, M. (2005), 'Functional projection: how fundamental social motives can bias interpersonal perception.', *Journal of personality and social psychology* **88**(1), 63.

2006

1. 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.
2. 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.

2007

1. *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.
2. **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.
3. *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.
4. *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.

2008

1. Berg, C. A.; Butler, J. M.; Osborn, P.; King, G.; Palmer, D. L.; **Butner, J.**; Murray, M.; Lindsay, R.; Donaldson, D.; Foster, C. & others (2008), 'Role of parental monitoring in understanding the benefits of parental acceptance on adolescent adherence and metabolic control of type 1 diabetes', *Diabetes Care* **31**(4), 678--683.
2. 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.
3. **Butner, J**.; Pasupathi, M. & Vallejos, V. (2008), 'When the facts just dont add up: The fractal nature of conversational stories', *Social Cognition* **26**(6), 670--699.
4. Malloy, T. E.; **Butner, J.** & Jensen, G. C. (2008), 'The emergence of dynamic form through phase relations in dynamical systems.', *Nonlinear dynamics, psychology, and life sciences* **12**(4), 371--395.

2009

1. 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.
2. **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.
3. *Fortenberry, 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), 1--9.
4. *Horton, D.*; Berg, C. A.; **Butner, J**. & Wiebe, D. J. (2009), 'The role of parental monitoring in metabolic control: Effect on adherence and externalizing behaviors during adolescence', *Journal of Pediatric Psychology*, jsp022.
5. 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.
6. 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**(4), 834--851.

2010

1. 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.
2. 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.
3. 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.
4. Suchy, Y.; 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', *The Journals of Gerontology Series B: Psychological Sciences and Social Sciences* **65**(5), 542--550.
5. Wiebe, D. J.; Croom, A.; Fortenberry, K. T.; **Butner, J**.; Butler, J.; Swinyard, M. T.; Lindsay, R.; Donaldson, D.; Foster, C.; Murray, M. & others (2010), 'Parental involvement buffers associations between pump duration and metabolic control among adolescents with type 1 diabetes', *Journal of pediatric psychology*, jsq012.

2011

1. **Butner, J**.; Story, N.; Guastello, S. J. & Gregson, R. A. M. (2011), 'Oscillators with differential equations', *Nonlinear dynamical systems analysis for the behavioral sciences using real data*, 367--400.
2. **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**(1), 33--57.
3. 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**(5), 596--605.
4. Sansone, C.; Fraughton, T.; Zachary, J. L.; **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**(2), 199--212.
5. 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. & others (2011), 'Affiliation and control during marital disagreement, history of divorce, and asymptomatic coronary artery calcification in older couples', *Psychosomatic medicine* **73**(4), 350.

2012

1. *Fraughton, T. B.*; Sansone, C.; **Butner, J.** & Zachary, J. (2012), 'Interest and Performance When Learning Online: Providing Utility Value Information', *Evolving Psychological and Educational Perspectives on Cyber Behavior*, 33.
2. King, P. S.; Berg, C. A.; **Butner, J**.; Drew, L. M.; Foster, C.; Donaldson, D.; Murray, M.; Swinyard, 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.

2013

1. Berg, C. A.; **Butner, J. E**.; 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**(7), 719.

2014

1. 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.
2. **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, psychology, and life sciences* **18**(4), 397--417.
3. **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.
4. 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.
5. 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.
6. Wilson, S. J.; Barrineau, M. J.; **Butner, J**. & Berg, C. A. (2014), 'Shared possible selves, other-focus, and perceived wellness of couples with prostate cancer', *Journal of Family Psychology* **28**, 684--691.

2015

1. *Birmingham, W. C.*; Uchino, B. N.; Smith, T. W.; Light, K. C. & **Butner, J.** (2015), 'Its complicated: marital ambivalence on ambulatory blood pressure and daily interpersonal functioning', *Annals of Behavioral Medicine* **49**(5), 743--753.
2. **Butner, J. E**.; Gagnon, K. T.; Geuss, M. N.; Lessard, D. A. & Story, T. N. (2015), 'Utilizing topology to generate and test theories of change.', *Psychological methods* **20**(1), 1.
3. *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.
4. *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.
5. Hwang, W.-C.; Myers, H. F.; Chiu, E.; Mak, E.; **Butner, J. E**.; Fujimoto, K.; Wood, J. J. & Miranda, J. (2015), 'Culturally adapted cognitive-behavioral therapy for Chinese Americans with depression: A randomized controlled trial', *Psychiatric Services* **66**(10), 1035--1042.
6. *Main, A.*; Wiebe, D. J.; Van Bogart, K.; Turner, S. L.; Tucker, C.; **Butner, J. E**. & Berg, C. A. (2015), 'Secrecy from parents and type 1 diabetes management in late adolescence', *Journal of pediatric psychology* **40**(10), 1075--1084.

2016

1. *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.
2. 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.
3. 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.
4. Euler, M. J.; Wiltshire, T. J.; Niermeyer, M. A. & **Butner, J. E**. (2016), 'Working memory performance inversely predicts spontaneous delta and theta-band scaling relations', *brain research* **1637**, 22--33.
5. Lagasse, L. L.; Conradt, 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.
6. *Lansing, A. H.*; Berg, C. A.; **Butner, J.** & Wiebe, D. J. (2016), 'Self-control, daily negative affect, and blood glucose control in adolescents with Type 1 diabetes.', *Health Psychology* **35**(7), 643.
7. *Queen, T. L****.*; Butner, J**.; Wiebe, D. J. & Berg, C. A. (2016), 'A micro-developmental view of parental well-being in families coping with chronic illness.', *Journal of Family Psychology* **30**(7), 843.
8. *Rau, H. K.*; Suchy, Y.; **Butner, J. E**. & Williams, P. G. (2016), 'Latent profiles of executive functioning in healthy young adults: evidence of individual differences in hemispheric asymmetry', *Psychological research* **80**(6), 997--1019.
9. Suchy, Y.; Turner, S. L.; Queen, T. L.; Durracio, K.; Wiebe, D. J.; **Butner, J**.; Franchow, E. I.; White, P. C.; Murray, M. A.; Swinyard, M. & others (2016), 'The relation of questionnaire and performance-based measures of executive functioning with Type 1 diabetes outcomes among late adolescents.', *Health Psychology* **35**(7), 661.
10. *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.
11. 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.

2017

1. Suchy, Y.; Queen, T. L.; Huntbach, B.; Wiebe, D. J.; Turner, S. L.; **Butner, J**.; Kelly, C. S.; White, P. C.; Murray, M.; Swinyard, M. & others (2017), 'Iowa Gambling Task Performance Prospectively Predicts Changes in Glycemic Control among Adolescents with Type 1 Diabetes', *Journal of the International Neuropsychological Society*, 1--10.
2. Berg, C.A**., Butner, J**., Wiebe, D.J., Lansing, A.H., Osborn, P., King, P.S., Palmer, D.L., …(2017). Developmental model of parent-child coordination for self-regulation across childhood and into emerging adulthood: Type 1 diabetes management as an example. *Developmental Review*.
3. Berg, C. A., Queen, T., **Butner, J. E**., Turner, S. L., Hughes Lansing, A., Main, A., … Wiebe, D. J. (2017). Adolescent disclosure to parents and daily management of type 1 diabetes. *Journal of Pediatric Psychology*, *42*(1), 75–84.
4. **Butner, J. E**., Berg, C. A., Munion, A., Turner, S. L., Hughes-Lansing, A., Winnick, J. B., & Wiebe, D. J. (2017). Coordination of Self-and Parental-Regulation Surrounding Type I Diabetes Management in Late Adolescence. *Annals of Behavioral Medicine*, 1–13.
5. **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.
6. **Butner, J.E**., Deits-Lebehn, C., Crenshaw, A.O., Wiltshire, T.J., Perry, N.S., …(2017). A multivariate dynamic systems model for psychotherapy with more than one client. *Journal of Counseling Psychology, 64(6)*, 616-625.
7. 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.
8. *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.
9. *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*.
10. *Queen, T. L.*, **Butner, J.**, Berg, C. A., & Smith, J. (2017). Activity Engagement Among Older Adult Spousal Caregivers. *The Journals of Gerontology: Series B*.
11. *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.
12. *Wiltshire, T. J*., **Butner, J. E**., & Pirtle, Z. (2017). Modeling change in project duration and completion: Scheduling dynamics of NASAś Exploration Flight Test 1 (EFT-1) activities. *Nonlinear Dynamics, Psychology, and Life Sciences*, *21*(3), 335–358.
13. *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.
14. *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. *School Psychology Quarterly*, *32*(1), 105.

2018

1. Berg, C.A., Wiebe, D.J., Suchy, Y, Turner, S.L., **Butner, J**., … Murray, M (2018). Executive function predicting longitudinal change in type 1 diabetes management during the transition to emerging adulthood.  *Diabetes Care*.
2. *Tracy, E. L.*, Berg, C. A., Baucom, K. J., Turner, S. L., Kelly, C. S., Van Vleet, M., ... & Helgeson, V. S. (2018). Daily sleep quality and daily stressors in couples coping with type 1 diabetes. *Health Psychology*.
3. 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*.
4. *Lansing, A. H.*, Turner, S. L., Osborn, P. G., Winnick, J. B., Taheri, K., Murray, M., **Butner, J** … Berg, C. A. (2018). Academic achievement and metabolic control in adolescents with type 1 diabetes. *Childrenś Health Care*, 1–18.
5. Taylor-Swanson, L., Wong, A.E., Pincus, D., **Butner, J.E**., Hahn-Holbrook, J., …(2018). The dynamics of stress and fatigue across menopause: Attractors, coupling and resilience. *Menopause, 25, 380-390*.
6. *Wiltshire, T. J.*; **Butner, J. E**. & Fiore, S. M. (2018), 'Problem-Solving Phase Transitions During Team Collaboration', *Cognitive Science, 42(1),* 129-167.

2019

1. Baker, A. C., Wiebe, D. J., Kelly, C. S., Munion, A., **Butner, J. E.**, Swinyard, M. T., ... & Berg, C. A. (2019). Structural model of patient-centered communication and diabetes management in early emerging adults at the transfer to adult care. *Journal of behavioral medicine*, 1-11.
2. Berg, C. A., Wiebe, D. J., Lee Tracy, E., Kelly, C. S., Mello, D., Turner, S. L., ... & Murray, M. (2019). Parental Involvement and Executive Function in Emerging Adults with Type 1 Diabetes. *Journal of pediatric psychology.*
3. Bryan, C. J., Rozek, D. C., Butner, J., & Rudd, M. D. (2019). Patterns of change in suicide ideation signal the recurrence of suicide attempts among high-risk psychiatric outpatients. *Behaviour research and therapy.*
4. **Butner, J. E.**, Munion, A. K., Baucom, B. R. W., & Wong, A. (2019). Ghost hunting in the nonlinear dynamic machine. *PloS one, 14(12)*, e0226572.
5. *Geerling, D.*, **Butner, J**., Fraughton, T., Sinclair, S., Zachary, J., & Sansone, C. (2019). The Dynamic Association of Interest and Confusion: The Potential for Moderation by Utility Value and Gender. The Journal of Experimental Education, 1-24.
6. *Hall, M. S., Podlog, L.*, Newton, M., Galli, N., Fritz, J., **Butner, J**., ... & Hammer, C. (2019). The basic psychological need support in physical therapy questionnaire. *Physiotherapy theory and practice*, 1-10.
7. *Jostad, J.*, Sibthorp, J., **Butner, J. E.**, & Rochelle, S. (2019). Adolescent Sense of Belonging in Outdoor Adventure Education: The Influence of Conflict and Instructors. Research in Outdoor Education, 17(1), 20-37.
8. *McKinney, T. L.*, Euler, M. J., & **Butner**, J. E. (2019). It’s about time: The role of temporal variability in improving assessment of executive functioning. The Clinical Neuropsychologist, 1-24.
9. *Munion, A.*, **Butner, J.**, Stefanucci, J., Geuss, M., & Story, T. N. (2019). An Ecological Approach to Modeling Vision: Quantifying Form Perception Using the Circle Map Equation. Ecological Psychology, 1-17.
10. *Soma, C. S*., Baucom, B. R., Xiao, B., **Butner, J. E.**, Hilpert, P., Narayanan, S., ... & Imel, Z. E. (2019). Coregulation of therapist and client emotion during psychotherapy. Psychotherapy Research, 1-13.
11. Suchy, Y., **Butner, J.**, Wiebe, D. J., Campbell, M., Turner, S. L., & Berg, C. A. (2019). Executive Cognitive Functions and Behavioral Control Differentially Predict HbA1c in Type 1 Diabetes across Emerging Adulthood. *Journal of the International Neuropsychological Society*, 1-11.
12. *Tracy, E. L.*, Berg, C. A., Baucom, K. J., Turner, S. L., Kelly, C. S., Van Vleet, M., ... & Helgeson, V. S. (2019). Daily sleep quality and daily stressors in couples coping with type 1 diabetes. Health Psychology, 38(1), 75.

2020

1. Berg, C. A., Helgeson, V. S., Kelly, C. S., Tracy, E. L., Litchman, M. L., & **Butner, J. E.** (2020). Age differences in reactivity to daily general and Type 1 diabetes stressors. *Psychology and Aging*.
2. Berg, C. A., Helgeson, V. S., Tracy, E. L., **Butner, J. E.**, Kelly, C. S., Van Vleet, M., & Litchman, M. L. (2020). Daily illness appraisal and collaboration in couples with type 1 diabetes. *Health Psychology*.
3. Bryan, C. J., **Butner, J. E.**, May, A. M., Rugo, K. F., Harris, J. A., Oakey, D. N., ... & Bryan, A. O. (2020). Nonlinear change processes and the emergence of suicidal behavior: A conceptual model based on the fluid vulnerability theory of suicide. *New Ideas in Psychology*, 57, 100758.
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Book Chapters/Books

1. Kenrick, D. T., Becker, D. V., **Butner, J**., Li, N. P., & Maner, J. K. (2003). Evolutionary cognitive science: Adding what and why to how the mind works. In *From Mating to Mentality: Evaluating Evolutionary Psychology* (pp. 13-38). Psychology Press. DOI: 10.4324/9780203484708
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Technical Reports

1. Bryan, C.J., **Butner, J.E.**, Sinclair, S., & Bryan, A.O. (2016). Patterns of change in user-generated social media behavior among service members who die by suicide. Defense Personnel and Security Research Center Seaside United State, Defense Personnel and Security Research Center Seaside United States.

Proceedings

1. 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.
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5. 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.
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7. 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.'.
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10. 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.
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13. 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.
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Conference Presentations and Posters (Selected)

1. Cialdini, R. W.; Barrett, W.; **Butner, J**. & 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, Prezogorzaly-Krakow, Poland.'.
2. Asher, T.; **Butner, J**. & & Cialdini, R. (1998), 'The influence of suspense on participantâs willingness to volunteer.''Poster presentation at the Western Psychology Association, Albuquerque, New Mexico.'.
3. 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'.
4. 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.'.
5. 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.'.
6. **Butner, J. E**. & 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.'.
7. **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.'.
8. 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.'.
9. **Butner, J**. (2005), 'Coordinating cycles of emotion.''Paper presented at the Western Psychological Association annual conference, Portland, OR.'.
10. **Butner, J**. (2005), 'Coordinating cycles of emotion.''Paper presented at the Social Psychology 2005 Ski Conference, Park City, UT.'.
11. **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.'.
12. 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.'.
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14. 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.'.
15. **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.'.
16. 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.'.
17. 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.'.
18. 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.'.
19. 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.'.
20. **Butner, J**. (2012), 'Modeling oscillations through differential equations.''Workshop at Society for Chaos in the Psychological and Life Sciences, Baltimore, MD.'.
21. **Butner, J**. (2012), 'Combining first and second order models.''Presentation at the Society for Chaos in the Psychological and Life Sciences, Baltimore, MD.'.
22. **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.'.
23. 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.'.
24. **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.'.
25. **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.'.
26. **Butner, J**. & & Sansone, C. (2014), 'Self-regulating motivation and performance over time.''Presented at the Fred Rhodewalt Social Psychology Winter conference, park City, UT.'.
27. **Butner, J. E**. (2014), 'There Shouldn’t Be Dragons Graphing the Cup-L Project. 'Presentation at Computational Modeling of Temporal Interpersonal Emotion Systems'.
28. 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.'.
29. 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.'.
30. 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.'.
31. 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.'.
32. **Butner, J**. & Baucom, B. (2015), 'Mapping Heart Rate: Topology and Topography of Physiological Co-Regulatory Stress''Invited Symposium at SESP'.
33. **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'.
34. 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.'.
35. **Butner, J. E**. & & Baucom, B. (2016), 'Dynamical Systems Modeling. 'Five day workshop for the Consortium for Families and Health Research, University of Utah'.
36. **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.'.
37. Christina S. Soma, Bo Xiao, **Butner, J.E**, & Imel, Z. E. (2016), 'Using Dynamic Systems to Model the Therapeutic Relationship.'' Poster at APA'.
38. 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.'.
39. 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.
40. **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.
41. **Butner, J.E**. & Berg, C. A. (2017). Dynamical systems modeling, 3 hour workshop for Society for Behavioral Medicine. San Diego, CA.
42. **Butner, J.E**. (2017). A dynamical systems take on group dynamics. Invited talk at Chapman University.
43. **Butner, J.E**. (2018). Attendee to the Dynamical Systems Workshop at the Army Research Laboratory West.
44. **Butner, J.E**. (2018). Revisiting the dialectic nature of affect: A dynamical systems approach. Invited talk at Claremont Graduate College.
45. **Butner, J.E**. & Baucom, B. (2018). Five day workshop in conjunction with ICPSR on dynamical systems analytic techniques.
46. **Butner, J.E**. & Baucom, B. (2019). Five day workshop in conjunction with ICPSR on dynamical systems analytic techniques.
47. **Butner, J.E**. (2019). Workshop at ABCT on integrating Dynamical Systems and Interventions/Treatment studies.
48. **Butner, J.E.** (2020). Big Data Ideas with Little Data Problems: An Impractical Guide to Systems-Based Measurement. Invited talk to UVA Quantitative group.
49. **Butner, J.E.** (2021). Mapping the Topography of Type 1 Diabetes. Invited Talk to Mathematical Biology Department, University of Utah.
50. Kaliush, P. R., **Butner, J. E.**, Williams, P. G., Conradt, E., & Crowell, S. E. (2024, May). Advancing perinatal suicide research with dynamical systems theory. In S. Asadi (Chair), Dynamic socioemotional risk factors for self-injurious thoughts and behaviors. Association for Psychological Science Annual Convention. San Francisco, CA.
51. Butner, J.E. (2023). There Shouldn’t Be Dragons: Mapping Psychological Phenomena Through Dynamical Systems. Keynote Address, Society for Chaos Theory in the Psychological and Life Sciences Annual Convention.

Active Grants

**\*Project/Proposal Title:** Emotion dysregulation across generations: Identifyingearly developmental and clinical indicators of risk (COVID administrative supplement)

**\*Status of Support:** current

**Proposal/Award Number:** 3R01MH119070-05S1

**\*Source of Support:** NIH/NIMH

**\*Primary Place of Performance:** University of Utah, Salt Lake City, UT

**\*Project/Proposal Support Start Date: (MM/YYYY):** 08/2023

**\*Project/Proposal Support End Date: (MM/YYYY):** 02/2024

**\*Total Award Amount:** $197,251

**\* Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

**Year Person Months**

2024 0.18

**\*Overall Objectives:** To study the prenatal origins of emotion dysregulation, and how it develops in both mother and child over the first years of life, providing valuable clinical information about how to prevent transmission of risk for emotion dysregulation across generations.

**\*Project/Proposal Title:** Share plus: Continuous glucose monitoring with datasharing in older adults with T1D and their care partners

**\*Status of Support:** current

**Proposal/Award Number:** 1R01DK133270

**\*Source of Support:** NIH/NIDDK

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**\*Primary Place of Performance:** University of Utah, Salt Lake City, UT

**\*Project/Proposal Support Start Date: (MM/YYYY):** 04/2023

**\*Project/Proposal Support End Date: (MM/YYYY):** 03/2026

**\*Total Award Amount:** $923,750

**\* Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

**Year Person Months**

2023 0.48

2024 0.24

2025 0.48

**\*Overall Objectives:** To test the Share plus intervention aimed at improving the use of data sharing between persons with diabetes and their care partners in order to maximize the benefits of continuous glucose monitoring.

**\*Project/Proposal Title:** Improving self-regulation and social support for Type 1 Diabetes during emerging adulthoods

**\*Status of Support:** current

**Proposal/Award Number:** 1R01DK124719

**\*Source of Support:** NIH/NIDDK

**\*Primary Place of Performance:** University of Utah, Salt Lake City, UT

**\*Project/Proposal Support Start Date: (MM/YYYY):** 05/2022

**\*Project/Proposal Support End Date: (MM/YYYY):** 04/2027

**\*Total Award Amount:** $3,800,176

**\* Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

**Year Person Months**

2022 0.6

2023 0.6

2024 0.6

2025 1.2

2026 1.8

**\*Overall Objectives:** To evaluate the effects of FAMS-T1D intervention versus the standard of care on patient outcomes for diabetes management, support persons, and burden among early emerging adults.

**\*Project/Proposal Title:** Predicting binge and purge episodes from passiveand active Apple Watch data using a dynamicalsystems approach

**\*Status of Support:** current

**Proposal/Award Number:** 1R01MH119084

**\*Source of Support:** UNC-Chapel Hill (NIH)

**\*Primary Place of Performance:** University of Utah, Salt Lake City, UT

**\*Project/Proposal Support Start Date: (MM/YYYY):** 09/2019

**\*Project/Proposal Support End Date: (MM/YYYY):** 07/2024

**\*Total Award Amount:** $1,134,679

**\* Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

**Year Person Months**

2019 1.8

2020 2.4

2021 2.4

2022 2.4

2023 1.14

**\*Overall Objectives:** To apply statistical modeling to passive data (via Apple Watch) and active data (via an eating disorders app Recovery Record) to identify patterns that signal an impending binge or purge episode in 1000 individuals with bulimia nervosa (BN) or binge-eating disorder (BED). This research will lay the foundation for personalized precision treatment by alerting and intervening in individuals with eating disorders before an unhealthy behavior such as binge eating or purging occurs.

**\*Project/Proposal Title:** Emotion dysregulation across generations: Identifying early developmental and clinical indicators of risk

**\*Status of Support:** current

**Proposal/Award Number:** 1R01MH119070

**\*Source of Support:** NIH/NIMH

**\*Primary Place of Performance:** University of Utah, Salt Lake City, UT

**\*Project/Proposal Support Start Date: (MM/YYYY):** 06/2019

**\*Project/Proposal Support End Date: (MM/YYYY):** 02/2024

**\*Total Award Amount:** $2,299,924

**\* Person Months (Calendar/Academic/Summer) per budget period Committed to the Project:**

**Year Person Months**

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2020 1.2

2021 1.2

2022 1.8

2023 1.8

**Year Person Months**

**\*Overall Objectives:** To study the prenatal origins of emotion dysregulation, and how it develops in both mother and child over the first years of life, providing valuable clinical information about how to prevent transmission of risk for emotion dysregulation across generations

**Recent Past Support:**

NIH/NIA: 1R03AG063044 (Euler)

Task-Related EEG Activation as a Biomarker for Early Alzheimer’s Disease

Start-end: 4/1/2019-3/31/2023

Total budget: $305,000

Commitment in person-months per year: 1.2 year 1 and year 3.

Goal: To examine the translational potential of specific task-related EEG signals (mid-frontal theta power; MFT) as a possible biomarker of Alzheimer’s disease

UNC-Chapel Hill/NIH: 1R01MH119084 (Bulik; Subaward Butner PI)

Predicting Binge and Purge Episodes from Passive and Active Apple Watch Data Using a Dynamical Systems Approach

Start-end: 9/1/2019-8/31/2023

Total budget (Utah subaward only): $1,134,679

Commitment in person-months per year: 1.8 year 1, 2.4 in all other years.

Goal: Apply dynamical systems to model Binging and Purging events as a precursor to just in time interventions.

NIH-NIMH: R61MH125759 (Bryan)

Mechanisms underlying the association of firearm availability and vulnerability to suicide

Start-end: 9/21/2020-9/22/2022

Total budget (Utah subaward only): $59,646

Commitment in person-months per year: 1.8 in year 2

Goal: Examine the association between handguns in the home and suicide risk.

NIH-NIMH: 1R01MH117600 (Bryan)

Identifying suicidal subtypes and dynamic indicators of increasing and decreasing suicide risk

Start-end: 8/20/2018-6/30/2021

Total budget: $1,072,141

Commitment in person-months per year: 1 in year 1, 1.8 in year 2, 1.6 in year 3

Goal: To examine for attractor dynamic patterns as precursor to suicide in several established datasets on veterans

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.

Goal: Examine Couple dynamics for coping in couples where one individual has type 1 diabetes.

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 (NCE through 2/28/2019)

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.

Goal: Examine the linkage between spatial reasoning sklls and behavioral mobility among adults in indigenous cultures.

**Previous support (more than 5 years)**

Queen (2017). Health Influences on Trajectories of Activity Engagement in Older Couples. $149,000, (1R03AG048333). Role – Co-investigator.

Leachman & Aspinwall (2016). Impact of Melanoma Genetic Testing on Health Cognitions and Prevention Behaviors. National Cancer Institute. $2,719,544, (5R01CA158322). Role – Co-investigator.

Berg, C. & Weibe, D (2016). A Self-Regulation Approach to Diabetes Adherence into Emerging Adulthood. National Institute of Diabetes and Digestive and Kidney Disease, $2,790,631 (R01DK092939). Role – Co-investigator.

Butner, J.E. (2016). Assessing Performance in Nonlinear Management Systems. NASA, $389,000, (NNX11AR71A). Role – PI.

Bryan, C. (2016). Time-Dependent Analysis. Northrop Grumman Corporation (flow through DOD), $213,973, (7500133206). Role – Co-investigator.

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

Learning and Individual Differences

Multivariate Behavioral Research

Health Psychology

Personality and Individual Differences

Psychological Methods

Journal of Counseling Psychology

Structural Equation Modeling

Formal Mentees

Vanessa Vallejos (Graduated with MA, industry)

Allison Vaughn (Graduated with Ph.D., Professor at San Diego State, switched mentors to Dr. Uchino)

T. Nathan Story (Graduated with Ph.D., Data Analyst)

Ascher Munion (Graduated with Ph.D., Assistant Professor at Eastern Carolina University)

Rebecca Neufeld (current Ph.D. student)

Robyn Kilshaw (current Ph.D. student)

Travis Wiltshire (Post-doc, Assistant Professor at Tilburg University)

Alexander Wong (Post-doc, Assistant Professor at Chico State)

Qinxin Shi (current Post-doc)

Dian Yu (current Visiting Professor)

Courses Taught

Structural Equation Modeling (Grad)

Advanced Structural Equation Modeling (Grad)

Regression (Grad)

Multivariate (Grad)

Analysis of Temporal Data/Longitudinal Modeling (Grad)

Quantitative Psychology (Grad; students built workshops on quantitative topics)

Nonlinear Analysis (Grad)

Dynamical Systems Theory (Grad)

Introductory Statistics (Undergrad)

Advanced Statistics (Undergrad)

Quantitative Consultation (Grad; co-taught students how to do consultation)