

**BIOGRAPHICAL SKETCH**

Provide the following information for the Senior/key personnel and other significant contributors.  
 Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Daniel Fulford, PhD

eRA COMMONS USER NAME (credential, e.g., agency login): DFULFORD

POSITION TITLE: Associate Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of California, Los Angeles	BA	05/2003	Psychology
University of Miami	MS	06/2008	Clinical Psychology
University of California, San Diego/SDVAMC	Internship	06/2011	Clinical Psychology
University of Miami	PhD	06/2011	Clinical Psychology
University of California, San Francisco	Fellowship	06/2013	Clinical Services Research
Palo Alto Medical Foundation	K Award	06/2015	Mental Health Informatics

**A. Personal Statement**

I am a clinical psychologist and Associate Professor of Occupational Therapy, Rehabilitation Sciences, and Psychological & Brain Sciences at Boston University. My expertise is in social motivation, psychopathology, and digital assessment and intervention, particularly for populations with serious mental illness. In addition to designing and implementing behavioral experiments and tasks measuring social connection, my work uses ecological momentary assessment and other digital phenotyping methods for identifying social processes as they unfold in daily life. I am PI and Co-I on grants funded by the National Institutes of Health (NIMH and NICHD) focused on mobile assessment and intervention using smartphones, including the use of digital phenotyping approaches to characterizing social behavior *in situ*. Ongoing and recently completed projects that highlight my work and expertise relevant for this project include the following:

R01 MH122367  
 Fulford (PI)  
 09/21/19-08/31/23  
 Passive Sensing of Social Isolation: A Digital Phenotyping Approach

R01 MH127265  
 Fulford (PI)  
 07/1/21-06/30/26  
 Neurobehavioral mechanisms of social isolation and loneliness in serious mental illness

R21 MH111501  
 Fulford (PI)  
 02/17/17-06/30/20  
 Enhancing Social Functioning in Schizophrenia through Scalable Mobile Technology

## Citations:

1. **Fulford, D.**, Mote, J., Gonzalez, R., Abplanalp, S., Zhang, Y., Luckenbaugh, J., Onnela, J. P., Busso, C., & Gard, D. E. (2021). Smartphone-based sensing of social interactions in people with and without schizophrenia. *Journal of Psychiatric Research*, 137, 613-620.
2. Mote, J., Gard, D.E, Gonzalez, R., & **Fulford, D.** (2019). How did that interaction make you feel? The relationship between quality of everyday social experiences and emotion in people with and without schizophrenia. *PLoS ONE*, 14.
3. **Fulford, D.**, Campellone, T. R., & Gard, D. E. (2018). Social motivation in schizophrenia: How research on basic reward processes informs and limits our understanding. *Clinical Psychology Review*, 63, 12-24.
4. **Fulford, D.**, Treadway, M. T., & Woolley, J. (2018). Social motivation in schizophrenia: The impact of oxytocin on vigor in the context of social and non-social reinforcement. *Journal of Abnormal Psychology*, 127, 116-128.

## B. Positions, Scientific Appointments, and Honors

### Positions and Scientific Appointments

2022 – present	Associate Professor, Boston University, Occupational Therapy, Boston, MA
2022 – present	Associate Editor, <i>Journal of Mental Health</i>
2021 – present	Associate Editor, <i>Psychology and Psychotherapy</i>
2021 – present	Editorial Board, <i>Psychological Bulletin</i>
2021 – present	Editorial Board, <i>Journal of Consulting and Clinical Psychology</i>
2021 – present	Reviewer, National Institute of Biomedical Imaging and Bioengineering, National Resource Center, NIH
2021	Reviewer, Swiss National Science Foundation, Switzerland
2021 – present	Consultant, Trusst Health Inc., Hanover, NH
2020	Reviewer, National Institute of Mental Health, Adult Psychopathology and Disorders of Aging, NIH
2020 – present	Consultant, Click Therapeutics, New York, NY
2019 – present	Faculty Affiliate, Graduate Medical Sciences, Boston University School of Medicine
2018 – 2020	Consultant, Pear Therapeutics, Boston, MA
2018 – present	Editorial Board, <i>Journal of Abnormal Psychology</i>
2018 – present	Reviewer, National Science Foundation
2018 – present	Fellow, Institute for Health System Innovation & Policy, Boston University
2018	Reviewer, National Science Centre, Poland
2017	Reviewer, Canterbury Medical Research Fund, Australia
2017 – present	Editorial Board, <i>Journal of Medical Internet Research – Mental Health</i>
2017 – present	Reviewer, SBIR/STTR Special Emphasis Panel, NIH
2017 – present	Training Faculty, Graduate Program in Neuroscience, Boston University
2016 – present	Faculty Affiliate, Rafik B. Hariri Institute for Computing and Computational Science and Engineering, Boston University
2016 – present	Faculty Affiliate, Mobile and Electronic Health Affinity Research Collaborative, Boston University
2016 – present	Member, Society for the Science of Motivation
2016 – present	Joint Appointment, Psychological & Brain Sciences, Boston University, Boston, MA
2015 – present	Teaching Professional, Mental Health Counseling & Behavioral Medicine Program, Boston University School of Medicine
2015 – present	Assistant Professor, Boston University, Occupational Therapy, Boston, MA
2014 – present	Member, Society for Research in Psychopathology
2014 – present	Full Member, Society for Research in Psychopathology
2013 – 2015	K12 Scholar, Palo Alto Medical Foundation Research Institute, Palo Alto, CA
2013 – 2015	Assistant Professor, Department of Psychiatry, UCSF, San Francisco, CA
2011 – present	Member, International Early Psychosis Association
2010 – 2011	Predocctoral Intern, UCSD/San Diego Department of Veterans Affairs, San Diego, CA

2011 – 2013	Postdoctoral Fellow, Clinical Services Research Training Program, Department of Psychiatry, UCSF, San Francisco, CA
2007 – present	Member, Association for Psychological Science
2002 – present	Member, Association for Behavioral and Cognitive Therapies

## Honors

2020	Visionary Award, American Psychological Foundation
2017	Face of the Future, Society for Research in Psychopathology
2017-2020	Clinical Research Loan Repayment Program Award – Renewal, NIMH
2013	Career Development Institute Meeting Award, NIH
2012-2014	Clinical Research Loan Repayment Program Award, NIMH
2011	National Psychologist Trainee Register (NPTR) Credentialing Scholarship Award
2010	Kirk R. Danhour Award for Academic and Research Excellence, University of Miami
2003	Cum Laude, University of California, Los Angeles

## C. Contributions to Science

1. Models of Motivational Impairment in Psychopathology. A primary area of my research addresses the interplay of motivation and emotion in the initiation and maintenance of goal-directed behavior in individuals with overactive (e.g., mania) and underactive (e.g., schizophrenia) goal pursuit. Early studies were on psychosocial processes in mood disorders, including the contribution of the Behavioral Activation System (BAS) to the onset and course of mania. In the context of an experience-sampling study, I provided initial evidence for the theory of ‘coasting,’ in which individuals ease back effort in response to higher than expected levels of goal progress. An important clinical finding was that those with bipolar disorder coasted to a significantly lesser degree than healthy controls, speaking to the importance of dysregulated effort expenditure in this illness. More recent work has contributed to our growing understanding of biopsychosocial models of motivation and emotion in healthy individuals and those across the development of severe mental illness, with a focus on diminished effort expenditure in schizophrenia and other psychotic disorders.

- a. **Fulford, D.**, Campellone, T., & Gard, D.E. (2018). Social motivation in schizophrenia: How research on basic reward processes informs and limits our understanding. *Clinical Psychology Review*, 63, 12-24.
- b. **Fulford, D.**, Johnson, S.L., Llabre, M.M., & Carver, C.S. (2010). Pushing and coasting in dynamic goal pursuit: Coasting is attenuated in bipolar disorder. *Psychological Science*, 21(7), 1021-1027.
- c. Mow, J., Gandhi, A., & **Fulford, D.** (2020). Imaging the ‘social brain’ in schizophrenia: A systematic review of neuroimaging studies of social reward and punishment. *Neuroscience & Biobehavioral Reviews*, 118: 704-722.
- d. **Fulford, D.**, Treadway, M.T., & Woolley, J. (2018). Social motivation in schizophrenia: The impact of oxytocin on vigor in the context of social and non-social reinforcement. *Journal of Abnormal Psychology*, 127, 116-128.

2. Goal Regulation and Psychosocial Functioning in Psychopathology. I also conduct work on improving our understanding of the extreme variability in functioning present in serious mental illness, with a particular emphasis on linking behavioral findings of emotion and motivation disturbance to real-world outcomes, including social participation. In a multimethod assessment of social cognition and emotion in bipolar I disorder, I found that emotion perception contributed uniquely to quality of life and social functioning, above and beyond established predictors of functional outcomes (e.g., executive functioning). In a computerized ecological momentary assessment study of social functioning among veterans with schizophrenia, my colleagues and I found that positive emotion following successful social interactions predicted effort in future social interactions, while negative emotion and cognition did not. I later expanded my research on motivation, emotion, and social functioning in adults by studying these constructs across the developmental stages of psychosis. Across a series of studies, we have found that anhedonia and amotivation are associated with impaired social and occupational functioning, even before the effects of established illness and medication.

- a. **Fulford, D.**, & Mueser, K.T. (2020). The importance of understanding and addressing loneliness in psychotic disorders. *Clinical Psychology: Science and Practice*, 27, e12383.
- b. **Fulford, D.**, Piskulic, D., Addington, J., Kane, J.M., Schooler, N.R., & Mueser K.T. (2018). Prospective relationships between motivation and functioning in recovery after a first episode of schizophrenia. *Schizophrenia Bulletin*, 44, 369-377.
- c. Granholm, E., Ben-Zeev, D., **Fulford, D.**, & Swendsen, J. (2013). Ecological Momentary Assessment of social functioning in schizophrenia: Impact of performance appraisals and affect on social interactions. *Schizophrenia Research*, 145, 120-124.
- d. **Fulford, D.**, Niendam, T.A., Floyd, E., Carter, C.S., Mathalon, D.H., Vinogradov, S., Stuart, B.K., & Loewy, R.L. (2013). Symptom dimensions and functional impairment in early psychosis: More to the story than just negative symptoms. *Schizophrenia Research*, 147, 125-131.

3. Mobile and Electronic Assessment and Intervention Development. Throughout my career, I have examined processes as they unfold in daily life using ambulatory/digital assessment methods, and have translated findings from the above studies to develop behavioral interventions, including through the use of mobile and electronic health technology, to support goal striving and motivation in psychiatric conditions. Much of my funded work has focused on the development and testing of smartphone-based ecological momentary interventions in populations who are under-resourced and/or in high need, including those with neurodegenerative disorders and serious mental illnesses.

- a. Mote, J., **Fulford, D.** (2020). Ecological Momentary Assessment of everyday social experiences of people with schizophrenia: A systematic review. *Schizophrenia Research*, 216, 56-68.
- b. Torous, J., Wisniewski, H., Bird, B., Carpenter, E., David, G., Elejalde, E., **Fulford, D.**...Keshavan, M. (2019). Creating a digital health smartphone app and digital phenotyping platform for mental health and diverse healthcare needs: An interdisciplinary and collaborative approach. *Journal of Technology in Behavioral Science*, April: 1-13.
- c. **Fulford, D.**, Tuot D.S., & Mangurian, C. (2016). Electronic psychiatric consultation in primary care in the safety net. *Psychiatric Services*, 67, 1160-1161.
- d. **Fulford, D.**, Mote, J., Gard, D. E., Mueser, K. T., Gill, K., Leung, L., & Dillaway, K. (2020). Development of the Motivation and Skills Support (MASS) social goal attainment smartphone app for (and with) people with schizophrenia. *Journal of Behavioral and Cognitive Therapy*, 30, 23-32.

**Published work in MyBibliography:**

<http://www.ncbi.nlm.nih.gov/myncbi/browse/collection/48643841/?sort=date&direction=ascending>