

JEFFREY M. SPIELBERG

CURRICULUM VITAE
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EDUCATION

- 2011 **Ph.D., Clinical Psychology**
University of Illinois at Urbana-Champaign
APA-accredited, PCSAS-accredited
- 2008 **M.A., Psychology**
University of Illinois at Urbana-Champaign
- 2002 **B.A., Psychology**
The George Washington University
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EMPLOYMENT

- 2014-present **Assistant Professor of Psychology**
Department of Psychiatry
Boston University School of Medicine
- 2014-present **Associate Director of Neuroimaging Analysis Development**
Neuroimaging Research for Veterans (NeRVe) Center
VA Boston Healthcare System
- 2013-present **Principle Investigator**
Motivation & Executive Function in Trauma & Anxiety lab (METAlab)
NeuroImaging Research for Veterans Center
VA Boston Healthcare System
- 2011-2013 **Postdoctoral Scholar**
Institute of Personality & Social Research, Institute of Human Development
University of California, Berkeley
Faculty supervisor: Ronald E. Dahl, M.D.
- 2011 **Statistical/fMRI Methodological Consultant**
Institute of Cognitive Science
University of Colorado, Boulder
- Summer 2011 **Postdoctoral Scholar**
Department of Psychology
University of Illinois at Urbana-Champaign
Faculty supervisors: Gregory A. Miller, Ph.D.; Wendy Heller, Ph.D.

- 2005-2011 **Graduate Research Assistant**
 Department of Psychology
 University of Illinois at Urbana-Champaign
 Faculty supervisors: Gregory A. Miller, Ph.D.; Wendy Heller, Ph.D.
- 2003-2005 **Research Assistant**
 Departments of Psychiatry and Radiology
 Massachusetts General Hospital
 Research supervisors: Hans Breiter, M.D.; Nancy Etcoff, Ph.D.

PUBLICATIONS

Peer-Reviewed Journal Articles

- Spielberg, J.M.**, Jarcho, J.M., Dahl, R.E., Pine, D.S., Ernst, M., & Nelson, E.E. (in press). Anticipation of peer evaluation in anxious adolescents: divergence in neural activation & maturation. *Social, Cognitive, & Affective Neuroscience*. doi:10.1093/scan/nsu165
- Spielberg, J.M.**, Forbes, E.E., Ladouceur, C.D., Worthman, C.M., Olin, T.M., Ryan, N.D., & Dahl, R.E. (in press). Pubertal testosterone influences threat-related amygdala-orbitofrontal coupling. *Social, Cognitive, & Affective Neuroscience*. doi:10.1093/scan/nsu062
- Kaiser, R.H., Andrews-Hanna, J.R., **Spielberg, J.M.**, Warren, S.L., Sutton, B.P., Miller, G.A., Heller, W., & Banich, M.T. (in press) Distracted and down: Neural mechanisms of affective interference in subclinical depression. *Social, Cognitive, & Affective Neuroscience*. doi:10.1093/scan/nsu100
- Herting, M.M., Gautam, P., **Spielberg, J.M.**, Kan, E., Dahl, R.E., & Sowell, E.R. (in press). The role of testosterone and estradiol in brain volume changes across adolescence: A longitudinal structural MRI study. *Human Brain Mapping*. doi:10.1002/hbm.22575
- Hur, J., Miller, G.A., McDavitt, J.B., **Spielberg, J.M.**, Crocker, L.D., Infantolino, Z.P., Towers, D.N., Warren, S.L., & Heller, W. (in press). Interactive effects of trait and state affect on top-down control of attention. *Social Cognitive & Affective Neuroscience*. doi:10.1093/scan/nsu163
- **Sadeh, N., ****Spielberg, J.M.**, Warren, S.L., Miller, G.A., & Heller, W. (2014). Aberrant neural connectivity during emotional processing associated with posttraumatic stress. *Clinical Psychological Science*, 2, 748-755. doi:10.1177/2167702614530113
 **Authors contributed equally to this work
- Spielberg, J.M.**, Miller, G.A., Warren, S.L., Engels, A.S., Sutton, B.P., & Heller, W. (2014). Transdiagnostic dimensions of anxiety and depression moderate motivation-related brain networks during goal maintenance. *Depression & Anxiety*, 31, 805-813. doi:10.1002/da.22271
- Spielberg, J.M.**, Olin, T.M., Forbes, E.E., & Dahl, R.E. (2014). Exciting fear in adolescence: Does pubertal development alter threat processing? *Developmental Cognitive Neuroscience*, 8, 86-95. doi:10.1016/j.dcn.2014.01.004
- Dahl, R.E., & **Spielberg, J.M.** (2014). Response to Helfinstein & Casey. *Developmental Cognitive Neuroscience*, 8, 98-99. doi:10.1016/j.dcn.2014.02.008

- Spielberg, J.M., Heller, W., & Miller, G.A.** (2013). Hierarchical brain networks active in approach and avoidance goal pursuit. *Frontiers in Human Neuroscience*, *7*, 284. doi:10.3389/fnhum.2013.00284 *Featured article on Frontiers homepage, June 2013*
- Spielberg, J.M., *De Leon, A.A., Bredemeier, K., Heller, W., Engels, A.S., Warren, S.L., Crocker, L.D., Sutton, B.P., & Miller, G.A.** (2013). Anxiety type modulates immediate vs. delayed engagement of attention-related brain regions. *Brain & Behavior*, *3*, 532-551. doi:10.1002/brb3.157
- Warren, S.L., Crocker, L.D., **Spielberg, J.M.**, Engels, A.S., Banich, M.T., Sutton, B.P., Miller, G.A., & Heller, W. (2013). Cortical organization of inhibition-related functions and modulation by psychopathology. *Frontiers in Human Neuroscience*, *7*, 271. doi:10.3389/fnhum.2013.00271
- Sadeh, N., **Spielberg, J.M.**, Heller, W., Herrington, J.D., Engels, A.S., Warren, S.L., Crocker, L.D., Sutton, B.P., & Miller, G.A. (2013). Emotion disrupts neural activity during selective attention in psychopathy. *Social, Cognitive, & Affective Neuroscience*, *8*, 235-246. doi:10.1093/scan/nsr092
- Miller, G.A., Crocker, L.D., **Spielberg, J.M.**, Infantolino, Z.P., & Heller, W. (2013). Issues in localization of brain function: The case of lateralized frontal cortex in cognition, emotion, and psychopathology. *Frontiers in Integrative Neuroscience*, *7*, 2. doi: 10.3389/fnint.2013.00002
- Spielberg, J.M.**, Miller, G.A., Warren, S.L., Engels, A.S., Crocker, L.D., Sutton, B.P., & Heller, W. (2012). Trait motivation moderates neural activation associated with goal pursuit. *Cognitive, Affective, & Behavioral Neuroscience*, *12*, 308-322. doi:10.3758/s13415-012-0088-8
- Spielberg, J.M.**, Miller, G.A., Warren, S.L., Engels, A.S., Crocker, L.D., Banich, M.T., Sutton, B.P., & Heller, W. (2012). A brain network instantiating approach and avoidance motivation. *Psychophysiology*, *49*, 1200-1214. doi:10.1111/j.1469-8986.2012.01443.x
- Crocker, L.D., Heller, W., **Spielberg, J.M.**, Warren, S.L., Bredemeier, K., Banich, M.T., & Miller, G.A. (2012). Neural mechanisms in attentional control differentiate trait and state negative affect. *Frontiers in Emotion Science*, *3*, 298. doi:10.3389/fpsyg.2012.00298
- Bredemeier, K., Berenbaum, H., & **Spielberg, J.M.** (2012). Worry and perceived threat of proximal and distal undesirable outcomes. *Journal of Anxiety Disorders*, *26*, 425-429. doi:10.1016/j.janxdis.2012.01.001
- Spielberg, J.M.**, Miller, G.A., Engels, A.S., Herrington, J.D., Sutton, B.P., Banich, M.T., & Heller, W. (2011). Trait approach and avoidance motivation: Lateralized neural activity associated with executive function. *NeuroImage*, *54*, 661-670. doi:10.1016/j.neuroimage.2010.08.037
- Spielberg, J.M.**, Heller, W., Siltan, R.L., Stewart, J.L., & Miller, G.A. (2011). Approach and avoidance profiles distinguish dimensions of anxiety and depression. *Cognitive Therapy & Research*, *35*, 359-371. doi:10.1007/s10608-011-9364-0

- Silton, R.L., Heller, W., Towers, D.N., Engels, A.S., Edgar, J.C., **Spielberg, J.M.**, Sass, S.M., Stewart, J.L., Sutton, B.P., Banich, M.T., & Miller, G.A. (2011). Depression and anxious apprehension distinguish frontocingulate cortical activity during top-down attentional control. *Journal of Abnormal Psychology, 120*, 272-285. doi:10.1037/a0023204
- Bredemeier, K. **Spielberg, J.M.**, Silton, R.L., Berenbaum, H., Heller, W., & Miller, G.A. (2010). Screening for clinical depression using the MASQ anhedonic depression scale: A receiver-operator characteristic analysis. *Psychological Assessment, 22*, 702-710. doi:10.1037/a0019915
- Engels, A.S., Heller, W., **Spielberg, J.M.**, Warren, S.L., Sutton, B.P., Banich, M.T., & Miller, G.A. (2010). Anxiety comorbidity influences patterns of brain asymmetry in depression. *Cognitive, Affective, & Behavioral Neuroscience, 10*, 141-156. doi:10.3758/CABN.10.1.141
- Silton, R.L., Miller, G.A., Towers, D.N., Engels, A.S., Edgar, J.C., **Spielberg, J.M.**, Sass, S.M., Stewart, J.L., Sutton, B.P., Banich, M.T., & Heller, W. (2010). The time course of activity in dorsolateral prefrontal cortex and anterior cingulate cortex during top-down attentional control. *NeuroImage, 50*, 1292-1302. doi:10.1016/j.neuroimage.2009.12.061
- Warren, S.L., Bost, K., Roisman, G.I., Silton, R.L., **Spielberg, J.M.**, Choi, E., Sutton, B.P., Miller, G.A., & Heller, W. (2010). Effects of adult attachment and emotional distractors on brain mechanisms of cognitive control. *Psychological Science, 21*, 1818-1826. doi:10.1177/0956797610388809
- Spielberg, J.M.**, Heller, W., Stewart, J.L., Levin, R.L., & Miller, G.A. (2008). Prefrontal cortex, emotion, and approach/withdrawal motivation. *Social & Personality Psychology Compass, 2*, 135-153. doi:10.1111/j.1751-9004.2007.00064.x

* Denotes student mentee

PRESENTATIONS

Invited Presentations

- Spielberg, J.M.** (2014). Graph theory GLM: A MATLAB Toolbox. Methods and Tutorial Series: VA Boston Healthcare System.
- Spielberg, J.M.** (2013). Graph theory approaches to resting fMRI. Methods and Tutorial Series: VA Boston Healthcare System.
- Spielberg, J.M.**, & Dahl, R.E. (2012). Pubertal development in threat processing. Brain Networks Journal Club: Stanford University.
- Spielberg, J.M.** (2011). Neural instantiation of goal-directed behavior. Developmental Affective Science Collective: University of Pittsburgh.
- Spielberg, J.M.** (2010). Understanding motivational temperaments at multiple levels of analysis. Clinical/Community Division: University of Illinois Urbana-Champaign.

Spielberg, J.M. (2008). Neural correlates of temperamental motivation. Clinical/Community Division: University of Illinois Urbana-Champaign.

Heller, W., **Spielberg, J.M.**, & Miller, G. (2008). Cognitive and affective neuroscience insights into personality, emotional regulation, and cognitive style. Invited address for NIH Staff Training in Extramural Programs (STEP) seminar, "Introverts/extraverts: Some assembly required". Washington, DC.

Conference Symposia

Spielberg, J.M., McGlinchey, R.E., Milberg, W.P., & Salat, D.H. (2015). Brain network disturbance related to posttraumatic stress & traumatic brain injury in OEF/OIF veterans. In J.M. Spielberg (Chair), 'Recent Developments in Research on the Neural Circuitry of PTSD'. To be presented at the annual meeting of the *Anxiety and Depression Association of America*, Miami, FL.

Sadeh, N., **Spielberg, J.M.**, Miller, M.W., Milberg, W.P., Salat, D.H., Amick, M., Fortier, C. & McGlinchey, R.E. (2015). Neurobiological indicators of disinhibition in Posttraumatic Stress Disorder. In J.M. Spielberg (Chair), 'Recent Developments in Research on the Neural Circuitry of PTSD'. To be presented at the annual meeting of the *Anxiety and Depression Association of America*, Miami, FL.

Spielberg, J.M., Heller, W., & Miller, G.A. (2014). Anxiety type modulates immediate versus delayed engagement of attention-related brain regions. In H.W. Koenigsberg (Chair), 'The Impact of Anomalies in the Emotional Regulatory Mechanism of Habituation in Psychotic, Anxiety, Personality and Developmental Disorders'. Annual meeting of the *American College of Neuropsychopharmacology*, Phoenix, AZ.

Spielberg, J.M., Jarcho, J.M., Dahl, R.E., Pine, D.S., & Nelson, E.E. (2014). Anticipating peer evaluation in adolescence: Anxiety-related divergence in the maturation of motivation-related neural circuits. Annual meeting of the *Anxiety & Depression Association of America*, Chicago, IL.

Spielberg, J.M., Olino, T.M., Forbes, E.E., Ladouceur, C.D., Ryan, N.D., & Dahl, R.E. (2013). Pubertal increases in testosterone influence amygdala-orbitofrontal coupling. Annual meeting of the *Social & Affective Neuroscience Society*, San Francisco, CA.

Heller, W., Crocker, L.D., **Spielberg, J.M.**, Warren, S.L., Bredemeier, K.E., McDavitt, J., Hur, J., Banich, M.T., Sutton, B.P., & Miller, G.A. (2011). Neural correlates of negative affect and its role in cognition/emotion interactions in psychopathology. Annual meeting of the *Society for Research in Psychopathology*, Boston, MA.

Heller, W., Warren, S.L., **Spielberg, J.M.**, Engels, A.S., Siltan, R.L., Sass, S.M., Stewart, J.L., Crocker, L., Towers, D.N., Sutton, B.P., Banich, M.T., & Miller, G.A. (2010). Understanding risk for psychopathology: Brain mechanisms of emotion-cognition interaction. Annual meeting of the *Association for Behavioral & Cognitive Therapies*, San Francisco, CA.

Warren, S.L., Bost, K.K., Roisman, G.I., Levin Sifton, R.L., **Spielberg, J.M.**, Engels, A.S., Choi, E., Miller, G.A., & Heller, W. (2009). Secure base script knowledge and psychopathology as predictors of response patterns to emotional stimuli: An fMRI investigation. Biennial meeting of the *Society for Research & Child Development*, Denver, CO.

Towers, D.N., Engels, A.S., Stewart, J.L, **Spielberg, J.M.**, Miller, G.A., & Heller, W. (2008). Choosing sides: Happily approaching left frontal cortex in psychopathology and emotion. Annual meeting of the *Society for Psychophysiological Research*, Austin, TX.

AWARDS

- 2015 **Spivack Scholar in the Neurosciences (Early Career)**
Boston University School of Medicine
- 2014 **Career Development Leadership Award**
Anxiety and Depression Association of America
- 2011 **Ed Scheiderer Memorial Research Award**
University of Illinois at Urbana-Champaign
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GRANTS

- 2012-2013 **Co-Principle Investigator, “Adolescent Development in Risk Preferences”**
Robert Wood Johnson Health and Society Scholars Program, \$4,000 TDC
- 2012-2013 **Co-Principle Investigator, “Adolescent Development in Risk Preferences”**
Institute for Business and Economic Research seed grant, \$2,000 TDC
- 2012-2013 **Co-Principle Investigator, “Adolescent Development in Risk Preferences”**
Experimental Social Science Laboratory seed grant, \$4,000 TDC
- 2012 **Postdoctoral Investigator, “Conceptual & Methodological Advancement of Sensation-Seeking”**
Robert Wood Johnson Health and Society Scholars Program, \$15,000 TDC
- 2012-2014 **Organizing Committee, “Decision Making & Emotion Regulation during Life-Span Transitions”**
National Institute on Aging R13 AG043207, \$68,044 TDC
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SOFTWARE DEVELOPED

METAlab Graph-Theoretic GLM - NITRC-listed Matlab toolbox allowing the user to compute graph theoretic properties on input networks and use these properties as dependent variables in a GLM. In essence, the toolbox allows the user to test whether organizational properties of networks (e.g., integration, segregation) covary with predictors of interest. Also includes a state of the art processing stream for resting-state fMRI.

www.nitrc.org/projects/metalab_gtg

4th most active tool on NITRC during its 1st week of release

Spielberg, J.M. (2014). Graph theoretic general linear model: a MATLAB toolbox. *Brain Connectivity*, 4, A120. doi:10.1089/brain.2014.1501.abstracts

TEACHING & MENTORING

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| Spring 2012 | Instructor, Multidisciplinary Perspectives on the Study of Behavior Change (PSYCHOLOGY 290K)
University of California, Berkeley, Department of Psychology |
| 2010-2011 | Instructor, Adult Inpatient Assessment Practicum (PSYCH 546)
University of Illinois at Urbana-Champaign, Department of Psychology |
| 2009-2010 | Mentor, Undergraduate Honors Thesis (PSYCH 491, Honors Individual Study)
University of Illinois at Urbana-Champaign, Department of Psychology
Thesis won the 2010 Undergraduate Clinical-Community Science Award. |

PROFESSIONAL SERVICE & ACADEMIC ORGANIZATIONS

- Ad-hoc reviewer: *Biological Psychiatry, Biological Psychology, Brain Topography, Cognition & Emotion, Depression & Anxiety, Developmental Cognitive Neuroscience, Developmental Science, Drug & Alcohol Dependence, Human Brain Mapping, Journal of Abnormal Psychology, Journal of Personality & Social Psychology, Journal of Traumatic Stress, Neuropsychologia, Proceedings of the National Academy of Sciences, Psychophysiology, Schizophrenia Research*
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| 2013 - Present | Member, Anxiety and Depression Association of America |
| 2013 - Present | Member, New York Academy of Sciences |
| 2013 - Present | Member, Social & Affective Neuroscience Society |
| 2011 - Present | Member, Behavior Change Research Network |
| 2010 - Present | Member, Association for Psychological Science |
| 2008 - Present | Member, Interdisciplinary Behavioral Science Center: Determinants of Executive Function and Dysfunction |

REFERENCES

Ronald E. Dahl, Professor of Public Health, Director of the Institute of Human Development
University of California, Berkeley
Department of Public Health
233 University Hall
Berkeley, CA 94720
Tel: (510) 643-9063
Email: rondahl@berkeley.edu

Gregory A. Miller, Distinguished Professor and Chair of Psychology
University of California, Los Angeles
Department of Psychology
1257D Franz Hall
Los Angeles, CA 90095
Tel: (310) 825-2288
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Wendy Heller, Professor of Psychology
University of Illinois at Urbana-Champaign
Department of Psychology
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** Additional references available upon request