

January 7, 2020

Curriculum Vitae

Name: **Greg Siegle**

Business Address: Western Psychiatric Institute and Clinic
3811 O'Hara St
Pittsburgh, PA 15213-2593

Email: gsiegle@pitt.edu

Business Phone: 412-864-3501
Web: www.pitt.edu/~gsiegle
Lab web: <http://www.wpic.pitt.edu/research/pican/>

EDUCATION and TRAINING

UNDERGRADUATE

1987-1991 Brown University, Providence, RI
Sc.B. with honors
magna cum laude (1991)
Cognitive Science, Advisors: Tom Dean, Ph.D., Tom Banchoff, Ph.D., Bill Warren, Ph.D.,
Thesis: Time is of the Essence: A Theory of Multiple Rate Determined Methods for Understanding Continuous Change,

GRADUATE

1992-1993 Northwestern University, Evanston IL
Graduate courses
Computer Science, Advisor: Ken Forbus, Psychology, Advisor: Dedre Gentner, Affective Science Advisor: Clark Elliott, Ph.D.
1993 University of Illinois at Chicago
Research fellowship
Psychiatry, Advisor: Martin Harrow, Ph.D.
1994-1996 San Diego State University
M.S. (1996)
Psychology, Advisors: Rick Ingram, Ph.D., Georg Matt, Ph.D. Thesis: Rumination on Affect: Cause for negative attention biases in depression?
1993-1999 San Diego State University / University of California, San Diego Joint Doctoral Program
Doctor of Philosophy (1999)
Clinical Psychology, Advisors: Rick Ingram, Ph.D., Georg Matt, Ph.D., Eric Granholm, Ph.D.,
Dissertation: Cognitive and Physiological Aspects of Attention to Personally Relevant Negative Information in Depression
1998-1999 Clarke Institute of Psychiatry, Toronto, ON
Clinical Internship
Clinical Psychology, Mentor: Zindel Segal, Ph.D.

POSTGRADUATE

1999-2001 Western Psychiatric Institute and Clinic, University of Pittsburgh Medical School, Pittsburgh, PA
NIH Post-doctoral Fellow
Psychiatry, Program Director: David Kupfer, M.D., Mentors: Stuart Steinhauer, Ph.D., Cameron Carter, M.D., Michael Thase, M.D.
2007-2008 Beck Institute, Philadelphia
Beck Institute Scholar
Cognitive Therapy, Mentors: Aaron Beck, M.D., Judith Beck, Ph.D., Leslie Sokol, Ph.D.

APPOINTMENTS and POSITIONS

2001-2002 University of Pittsburgh School of Medicine, Department of Psychiatry
Pittsburgh, PA
Visiting Assistant Professor of Psychiatry

2001-2005	University of Pittsburgh School of Medicine, Department of Psychiatry Pittsburgh, PA	Director of Affective Neuroscience for the Clinical Cognitive Neuroscience Laboratory
2001-2009	Pittsburgh VA Healthcare System Pittsburgh, PA	Director of Affective Neuroscience for the Biometrics Research Program
2001-present	University of Pittsburgh School of Medicine, Department of Psychiatry Pittsburgh, PA	Director of Program in Cognitive Affective Neuroscience (PICAN)
2001 – present	Center for the Neural Basis of Cognition, University of Pittsburgh & Carnegie Mellon University Pittsburgh, PA	Faculty
2002-2007	University of Pittsburgh School of Medicine, Department of Psychiatry Pittsburgh, PA	Assistant Professor of Psychiatry
2002-present	University of Pittsburgh, Department of Psychology Pittsburgh, PA	Faculty, Cognitive and Clinical Tracks
2006-present	Pittsburgh Mind Body Center Pittsburgh, PA	Faculty
2007-present	University of Pittsburgh, Center for Neuroscience (CNUP) Pittsburgh, PA	Faculty
2007-present	University of Pittsburgh School of Medicine, Department of Psychiatry Pittsburgh, PA	Associate Professor of Psychiatry
2010- present	Clinical Translational Science Institute Pittsburgh, PA	Faculty

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

Sigma Xi	1991-present
Association for Behavioral and Cognitive Therapies (ABCT), Fellow	1994-present
Society for Psychophysiological Research	2000-present
Society for Neuroscience	2003-2010
Organization for Human Brain Mapping	2004-2010
Academy of Cognitive Therapy	2007-present
Society of Biological Psychiatry	2008-present
Society for Affective Science	2013-present
Association for Psychological Science	2013-present

HONORS

National Merit Scholar.	1987
Elected an Associate Member of Sigma Xi, The Scientific Research Society	1991
Travel Award, University of Maryland	1995
Dorothy K. Fricke Award, Voted by Joint Doctoral Program faculty for the graduate student who made the most significant contribution to the program	1996
Health Emotions Research Institute Travel Award, University of Wisconsin	1998,1999, 2001
NARSAD Young Investigator award	2000
Nominated by University of Pittsburgh for Burroughs-Wellcome Award	2000
WPIC Junior Faculty Scholar	2001-2002

WPIC Research Day presentation award	2002
WPIC Young Investigator Lecturer	2003
Selected as one of two researchers in the country to represent NIMH to congress at the 10 th anniversary of the Office of Behavioral and Social Sciences Research	2006
Sutton Lecturer, New York Psychiatric Institute	2006
Beck Institute Scholar	2007-2008
Joseph Zubin Memorial Fund Award for research in psychopathology	2008
Norman Greenfield Memorial Fund Lecturer, University of Wisconsin, Madison	2010
G Kirby Collier Lecturer, University of Rochester, New York	2012
John and Sally Morley Family Foundation Lecturer, Case Western Reserve University, Cleveland, Ohio	2013
Virginia Tarlow Memorial Lecturer, Northwestern University, Chicago, IL	2015
Senior poster award, International Academy for Sex Research (IASR), Chicago, IL	2015
Pitt Innovation Challenge (PINCH) competition, Winner, Pittsburgh, PA	2016
University of Pittsburgh First Gear Innovation Competition, Second Place, Pittsburgh, PA	2016
Fellow, Association for Behavioral and Cognitive Therapies	2017
Pitt Innovation Challenge (PINCH) competition, First place, Pittsburgh, PA	2017
Fellow, Netherlands Institute for Advanced Studies	2017
Second Place, Performance Innovation Tournament, University of Pittsburgh	2018
Honorary Frijda Chair in Cognitive Science, University of Amsterdam	2019

PUBLICATIONS

*Consistent with the tradition of psychology, Dr. Siegle generally uses the second author position to indicate senior author status. If a student's or strongly contributing co-author's career would strongly benefit from a second authorship, he uses the last author position. Thus, senior authorships are indicated below with a *.*

Original Peer Reviewed Articles

- 1 Banchoff, T., Achter, J., Ahmad, R., Curtis, C., Hendrickson, C., **Siegle, G. J.**, & Stone, M., (1990). Student Generated Interactive Software for Calculus of Surfaces in a Workstation Laboratory, *Undergraduate Mathematics Education Trends*.
- 2 Banchoff, T., Achter, J., Ahmad, R., Curtis, C., Hendrickson, C., **Siegle, G. J.**, & Stone, M., (1991). Student Generated Software for Differential Geometry. In W. Zimmerman & S. Cunningham, (Eds.), *Visualization in Teaching and Learning Mathematics*, Mathematical Association of America.
- 3 Ingram, R. E., Kendall, P. C., **Siegle, G. J.**, & Guarino, J., (1995). Psychometric properties of the positive automatic thoughts questionnaire, *Psychological Assessment*, 7, 495-507. doi:10.1037/1040-3590.7.4.495
- 4 Shadish, W. R., Matt, G. E., Navarro, A. M., **Siegle, G. J.**, Crits-Christoph, P., Hazelrigg, M., Jorm, A., Lyons, L. S., Nietzel, M. T., Prout, H. T., Robinson, L., Smith, M. L., Svartberg, M., & Weiss, B. (1997). The generalization of psychotherapy research to clinically representative conditions: A preliminary answer. *Journal of Consulting and Clinical Psychology*, 65, 355-365. doi:10.1037/0022-006x.65.3.355
- 5 McGivern, R. F., Huston, J. P., Byrd, D., King, T. **Siegle, G. J.**, & Reilly, J. (1997). Sex differences in visual recognition memory: Support for a sex related difference in attention in adults and children. *Brain, and Cognition*, 34, 323-336. PMID: 9292185.
- 6 Hinkin, C. H., Castellon, S. A., Hardy, D. J., Granholm, E., & **Siegle, G. J.** (1999). Computerized and traditional Stroop task dysfunction in HIV-1 infection. *Neuropsychology*, 13, 306-316. PMID: 10353380.
- 7 Brown, G., Kinderman, S., **Siegle, G. J.**, Granholm, E., Wong, E. C., Buxton, R. B. (1999). Brain activation and pupil response during covert performance of the Stroop color word task. *Journal of*

the International Neuropsychological Society, 5(4), 308-319. PMID: 10349294.
doi:10.1017/s1355617799544020

- 8 **Siegle, G. J.**, Granholm, E., Ingram R. E., Matt, G. E. (2001). Pupillary and reaction time measures of sustained processing of negative information in depression. *Biological Psychiatry*, 49, 624-636. PMID: 11297720. doi:10.1016/s0006-3223(00)01024-6
- 9 **Siegle, G. J.** (2001). Connectionist models of psychopathology: Crossroads of the cognitive and affective neuroscience of disorder. *Cognitive Processing*, 2, 455-486.
- 10 **Siegle, G. J.**, Ingram, R. E., & Matt, G. E. (2002). Affective interference: An explanation for negative information processing biases in dysphoria? *Cognitive Therapy and Research*, 26, 73-88. doi:10.1023/a:1013893705009
- 11 **Siegle, G. J.**, Steinhauer, S.R., Thase, M.E., Stenger, V.A., Carter, C. S., (2002). Can't shake that feeling: Event-related fMRI assessment of sustained amygdala activity in response to emotional information in depressed individuals. *Biological Psychiatry*, 51, 693-707. PMID: 11983183. doi:10.1016/s0006-3223(02)01314-8
- 12 **Siegle, G. J.** & Hasselmo, M. E. (2002). Using connectionist models to guide assessment of psychological disorder. *Psychological Assessment*, 14, 263-278. PMID: 12214433. doi:10.1037//1040-3590.14.3.263
- 13 Thayer, J. F. & **Siegle, G.J.** (2002). Neurovisceral integration in cardiac and emotional regulation. *IEEE Engineering in Medicine and Biology*, 21(4), 24-29. PMID: 12222113.
- 14 **Siegle, G. J.**, Steinhauer, S.R., Carter, C. S., Ramel, W., Thase, M.E. (2003). Do the seconds turn into hours? Relationships between sustained pupil dilation in response to emotional information and self-reported rumination. *Cognitive Therapy and Research*, 27, 365-383. doi:10.1023/a:1023974602357
- 15 **Siegle, G. J.**, Steinhauer, S.R., Stenger, V.A., Konecky, R., Carter, C. S., (2003). Use of concurrent pupil dilation assessment to inform interpretation and analysis of fMRI data. *Neuroimage*. 20(1), 114-124. PMID: 14527574. doi:10.1016/s1053-8119(03)00298-2
- 16 Condray, R., **Siegle, G.J.**, Cohen, J.D., van Kammen, D., Steinhauer, S.R. (2003). Automatic activation of the semantic network in schizophrenia: evidence from event-related brain potentials. *Biological Psychiatry*, 54, 1134-1148. PMID: 14643080. doi:10.1016/s0006-3223(03)00699-1
- 17 Forman, S. D., Dougherty, G. G., Casey, B. J., **Siegle, G. J.**, Braver, T. S., Barch, D. M., Stenger, V. A., Wick-Hull, C., Pisarov, L. A., Lorensen, E. (2004). Opiate addicts lack error-dependent activation of rostral anterior cingulate. *Biological Psychiatry*, 55, 531-537. PMID: 15023582.
- 18 Steinhauer, S.R., **Siegle, G.J.**, Condray, R., Pless, M. (2004). Sympathetic and Parasympathetic Innervation of Pupillary Dilation During Sustained Processing. *International Journal of Psychophysiology*, 52, 77-86. PMID: 15003374. doi:10.1016/j.ijpsycho.2003.12.005
- 19 **Siegle, G.J.**, Steinhauer, S.R., Thase, M.E. (2004). Pupillary assessment and computational modeling of the Stroop task in depression. *International Journal of Psychophysiology*, 52, 63-76. doi:10.1016/j.ijpsycho.2003.12.010
- 20 Ingram, R.E., Bailey, K., & **Siegle, G.J.** (2004). Emotional information processing and disrupted parental bonding. *Journal of Cognitive Psychotherapy*, 18, 53-65.
- 21 **Siegle, G. J.**, Moore, P., Thase, M.E. (2004). Rumination: One construct, many features in healthy individuals, depressed individuals, and individuals with Lupus. *Cognitive Therapy and Research*. 28, 645-668. PMID: 15003373. doi:10.1023/B:COTR.0000045570.62733.9f
- 22 Gianaros, P., May, J. C., **Siegle, G. J.**, Jennings, R. J. (2005). Is there a functional neural correlate of individual differences in cardiovascular reactivity? *Psychosomatic Medicine*. 67, 31-39. PMID: 15673621. doi:10.1097/01.psy.0000151487.05506.dc
- 23 Gianaros, P., Derbyshire, S. W. G., May, J. C., **Siegle, G. J.**, Jennings, J. R. (2005). Anterior cingulate activity correlates with blood pressure during stress. *Psychophysiology*, 42, 627-635. doi:10.1111/j.1469-8986.2005.00366.x
- 24 **Siegle, G.J.**, Carter, C.S., Thase, M.E. (2006). Use of fMRI to predict recovery from unipolar depression with Cognitive Behavior Therapy. *American Journal of Psychiatry*, 163, 735-738.

PMID: 16585452. doi:10.1176/appi.ajp.163.4.735

- 25 Larson, C., Schaefer, H.S., **Siegle, G.J.**, Jackson, C. A. B., Anderle, M.J., Davidson, R.J. (2006). Fear is fast in phobic individuals: Amygdala activation in response to fear-relevant stimuli. *Biological Psychiatry*, *60*, 410-417. PMID: 16919528. doi:10.1016/j.biopsych.2006.03.079
- 26 **Siegle, G.J.** (2006). From brain imaging to intervention: Disruptions of emotional reactivity in unipolar depression. *Japanese Journal of Research on Emotions*, *13*, 65-82.
- 27 Forbes, E.E., May, J.C., **Siegle, G.J.**, Ladouceur, C.D., Ryan, N.D., Carter, C.S., Dahl, R.E. (2006). Reward-Related Decision-Making in Pediatric Major Depressive Disorder: An fMRI Study. *Journal of Clinical Child and Adolescent Psychology*, *47*, 1031-1040. PMID: 17073982. doi:10.1111/j.1469-7610.2006.01673.x
- 28 **Siegle, G.J.**, Thompson, W., Thase, M.E., Steinhauer, S.R., Carter, C. S., (2007). Increased amygdala and decreased dorso-lateral prefrontal BOLD responses in unipolar depression: Related and independent features. *Biological Psychiatry*, *61*, 198-209. PMID: 17027931. doi:10.1016/j.biopsych.2006.05.048
- 29 **Siegle, G.J.**, Ghinassi, F., Thase, M.E. (2007). Neurobehavioral therapies in the 21st century: Summary of an emerging field and an extended example of Cognitive Control Training for depression. *Cognitive Therapy and Research*, *31*, 235-262. doi:10.1007/s10608-006-9118-6
- 30 Silk, J.S., Dahl, R.E., Ryan, N.D., Birmaher, B., Axelson, D. **Siegle, G.J.** * (2007). Pupillary reactivity to emotional information in child and adolescent depression: Links to clinical and ecological measures. *American Journal of Psychiatry*, *164*, 1873-1880. PMID: 18056243. doi:10.1176/appi.ajp.2007.06111816
- 31 Franzen, P.L., **Siegle, G.J.** *, Buysse, D.J. (2008). Relationships between Affect, Vigilance, and Sleepiness Following Sleep Deprivation. *Journal of Sleep Research*, *17*, 34-41. PMID: 18275553. doi:10.1111/j.1365-2869.2008.00635.x
- 32 **Siegle, G.J.**, Ichikawa, N., Steinhauer, S.R. (2008). Blink before and after you think: Blinks occur prior to and following cognitive load indexed by pupillary responses. *Psychophysiology*, *45*, 679-687. doi:10.1111/j.1469-8986.2008.00681.x
- 33 Jones, N., **Siegle, G.J.** *, Thase, M.E. (2008). Effects of rumination and initial severity on remission to Cognitive Therapy for depression. *Cognitive Therapy and Research*, *32*, 591-604. PMID: 18665867. doi:10.1007/s10608-008-9191-0
- 34 Silk, J. S., **Siegle, G. J.** *, Whalen, D. J., Ostapenko, L., Ladouceur, C. D., & Dahl, R. E. (2009). Pubertal changes in emotional information processing: pupillary, behavioral, and subjective evidence during emotional word identification. *Development and Psychopathology*, *21*, 7-26. PMID: 19144220. doi:10.1017/s0954579409000029
- 35 Tamburo, R. **Siegle, G.J.**, Stetten, G.D., Cois, A., Reynolds, C. F., & Aizenstein, H.J. (2009). Amygdalae morphometry in late-life depression. *International Journal of Geriatric Psychiatry*, *24*, 837-846. . PMID: 19085964. doi:10.1002/gps.2167
- 36 Thompson, W.K. & **Siegle, G.J.** * (2009) A stimulus-locked vector autoregressive model for slow event-related fMRI designs, *Neuroimage*, *46*, 739-748. PMID: 19236927. doi:10.1016/j.neuroimage.2009.02.011
- 37 Zhou, D., Thompson, W.K. & **Siegle, G.J.** * (2009), MATLAB toolbox for functional connectivity, *Neuroimage*, *47*, 1590-1607. PMID: 19520177. doi:10.1016/j.neuroimage.2009.05.089
- 38 Gibbs, L.M., Dombrovski, A. Y., Morse, J., **Siegle, G. J.**, Houck, M.S., Szanto, K. (2009). When the solution is part of the problem: Problem solving in elderly suicide attempters. *International Journal of Geriatric Psychiatry*, *24*, 1396-1404. PMID: 19405045. doi:10.1002/gps.2276
- 39 Tindle, H.A., Chang, Y.F., Manson, J.E., Robinson, J.G., Rosal, M.C., **Siegle, G.J.**, Matthews, K.A. (2009). Optimism, cynical hostility, and incident coronary heart disease and mortality in the Women's Health Initiative. *Circulation*, *120*, 656-662. PMID: 19667234. doi:10.1161/circulationaha.108.827642
- 40 Sagrati, S., Miezzitis, S., **Siegle, G.J.**, Reyes, G.P., Voineskos, A.N., & Meyer, J.H. (2009). The limitations in using the step test and the 220-age formula to examine physical activity in relation to

- vulnerability to depression. *Baltic Journal of Psychology*, 10, 25-38.
- 41 Franzen, P.L., Buysse, D.J., Dahl, R.E., **Siegle, G.J.** * (2009). Sleep deprivation alters pupillary reactivity to emotional information in healthy young adults. *Biological Psychology*, 80, 300-305. PMID: 19041689. doi:10.1016/j.biopsycho.2008.10.010
- 42 Jones, N.P., **Siegle, G.J.** *, Muelly, E.R., Haggerty, A., Ghinassi, F. (2010). Poor performance on cognitive tasks in depression: Doing too much or not enough? *Cognitive, Affective, and Behavioral Neuroscience*, 10, 129-140. doi:10.3758/cabn.10.1.129
- 43 **Siegle, G.J.**, Condray, R., Thase, M.E., Keshavan, M., Steinhauer, S.R. (2010). Sustained gamma-band EEG following negative words in depression and schizophrenia. *International Journal of Psychophysiology*, 75, 107-118. PMID: 20005267. NIHMSID 524631. doi:10.1016/j.ijpsycho.2008.04.008
- 44 Biswal, B. B., Mennes, M., Zuo, X., Gohel, S., Kelly, C., Smith, S. M., Beckmann, C. F., Adelstein, J. S., Buckner, R. L., Colcombe, S., Dogonowski, A., Ernst, M., Fair, D., Hampson, M., Hoptman, M. J., Hyde, J. S., Kiviniemi, V. J., Kötter, R., Li, S., Lin, C., Lowe, M. J., Mackay, C., Madden, D. J., Madsen, K. H., Margulies, D. S., Mayberg, H. S., McMahon, K., Monk, C. S., Mostofsky, S. H., Nagel, B. J., Pekar, J. J., Peltier, S. J., Petersen, S. E., Riedl, V., Rombouts, S. A., Rypma, B., Schlaggar, B. L., Seidler, S. S., **Siegle, G. J.**, Sorg, C., Teng, G., Veijola, J., Villringer, A., Walter, M., Wang, L., Weng, X., Whitfield-Gabrieli, S., Williamson, P., Windischberger, C., Zang, Y., Zhang, H., Castellanos, F. X., Milham, M. P., (2010) Toward discovery science of human brain function. *Proceedings of the National Academy of Science*, 107, 4734-4739. PMID: 20176931. doi:10.1073/pnas.0911855107
- 45 Schlund MW, **Siegle GJ***, Ladouceur CD, Silk JS, Cataldo MF, Dahl RE, Ryan, ND. (2010) Nothing to fear? Neural systems supporting avoidance behavior in healthy youths. *Neuroimage*, 52, 2, 710-719. PMID: 20430103. doi:10.1016/j.neuroimage.2010.04.244
- 46 Dombrovski, A. Y., Clark, L., **Siegle, G. J.**, Butters, M.A., Ichikawa, N., Sahakian, B., Szanto, K. (2010). Reward/punishment reversal learning in older suicide attempters. *American Journal of Psychiatry*, 167, 699-707. PMID: 20231320. PMCID:PMC3020386. doi:10.1176/appi.ajp.2009.09030407
- 47 Condray, R., **Siegle, G.J.**, Keshavan, M.S., Steinhauer, S. R. (2010). Effects of word frequency on semantic memory in schizophrenia: Electrophysiological evidence for a deficit in linguistic access. *International Journal of Psychophysiology*, 75, 141-156. PMID: 19896508. doi:10.1016/j.ijpsycho.2009.10.010
- 48 Ichikawa, N., **Siegle, G.J.***, Dombrovski, A., Ohira, H. (2010). Subjective and model-estimated reward prediction: Association with the feedback-related negativity (FRN) and reward prediction error in a reinforcement learning task. *International Journal of Psychophysiology*, 78, 273, 283. PMID: 20858518. doi:10.1016/j.ijpsycho.2010.09.001
- 49 Steidtmann, D., Ingram, R. E., **Siegle, G.J.** * (2010). Pupil response to negative emotional information in individuals at-risk for depression. *Cognition and Emotion*, 24, 480-496. doi:10.1080/02699930902738897
- 50 Oathes, D.J., **Siegle, G.J.** * & Ray, W.J. (2011). Chronic worry and the temporal dynamics of emotional processing. *Emotion*, 11, 101-114. PMID: 21401230. doi:10.1037/a0021781
- 51 Calkins AW, Deveney CM, Weitzman ML, Hearon BA, **Siegle GJ**, Otto MW (2011) The effects of prior cognitive control task exposure on responses to emotional tasks in healthy participants. *Behav Cogn Psychother* 39: 205-220. PMID: 21114896. doi:10.1017/s1352465810000652
- 52 Jain, S., **Siegle, G.J.***, Gu, C., Moore, C.G., Ivanco, L.S., Jennings, J.R., Steinhauer, S.R., Studenski, S., Greenamyre, T. (2011). Autonomic insufficiency in pupillary and cardiovascular systems in Parkinson's Disease. *Parkinsonism & Related Disorders*, 17, 119-122. PMID: 21115264. doi:10.1016/j.parkreldis.2010.11.005
- 53 Jones, N.P., **Siegle, G.J.***, Proud, L., Silk, J.S., Hardy, D., Keljo, D.J., Dahl, R.E., Szigethy, E. (2011). The impact of inflammatory bowel disease and high dose steroid exposure on pupillary responses to negative information in pediatric depression. *Psychosomatic Medicine*, 73, 151-157.

PMID: 21217099. doi:10.1097/PSY.0b013e318207ffea

- 54 **Siegle, G.J.**, Steinhauer, S.R., Friedman, E., Thase, M.E. (2011). Remission prognosis for Cognitive Therapy for recurrent depression using the pupil: Utility and neural correlates, *Biological Psychiatry*, 69, 726-33. PMID: 21447417. doi:10.1016/j.biopsych.2010.12.041
- 55 Ichikawa, N., **Siegle, G.J.***, Jones, N.P., Kamishima, K., Thompson, W., Gross, J.J., Ohira, H. (2011) Feeling bad about screwing up: Emotion regulation and action monitoring in the anterior cingulate cortex (ACC), *Cognitive, Affective, and Behavioral Neuroscience*, 11(3), 354-371. PMID: 21590316. doi:10.3758/s13415-011-0028-z
- 56 Clark, L., Dombrovski, A. Y., **Siegle, G.J.**, Butters, M.A., Shollenberger, C.L., Sahakian, B.J., Szanto, K. (2011). Impairment in risk-sensitive decision-making in older suicide attempters with depression, *Psychological Aging*, 26(2), 321-330. PMID: 21443349. doi:10.1037/a0021646
- 57 Jain, S., **Siegle, G.J.***, Chen, G., Moore, C.G., Ivanco, L.S., Studenski, S., Greenamyre, J.T., Steinhauer, S.R. (2011). Pupillary unrest correlates with arousal symptoms and motor signs in Parkinson disease. *Movement Disorders*, 26(7), 1344-1347. PMID: 21506163. doi:10.1002/mds.23628
- 58 McMakin, D.L., Burkhouse, K., Olino, T.M., **Siegle, G.J.**, Dahl, R.E., & Silk, J.S. (2011). Affective functioning among early adolescents at high and low familial risk for depression and their mothers: A focus on individual and transactional processes across contexts. *Journal of Abnormal Child Psychology*, 39(8), 1213-1225. PMID: 21744058. doi:10.1007/s10802-011-9540-4
- 59 McMakin, D.L., **Siegle, G.J.**, & Shirk, S.R. (2011). Positive Affect Stimulation and Sustainment (PASS) module for depressed mood: A preliminary investigation of treatment-related effects. *Cognitive Therapy and Research*, 35(3), 217-226. PMID: 22140287. doi:10.1007/s10608-010-9311-5
- 60 Schlund, M. W., Cataldo, M.F., **Siegle, G.J.**, Ladouceur, C.D., Silk, J.S., Forbes, E.E., McFarland, A., Iyengar, S., Dahl, R.E., Ryan, N.D. (2011). Pediatric functional magnetic resonance neuroimaging: Tactics for encouraging task compliance. *Behavioral and Brain Functions*, 7(10). PMID: 21548928. doi:10.1186/1744-9081-7-10
- 61 Dombrovski, A., Szanto, K., **Siegle, G.J.**, Wallace, M.L., Forman, S.D., Sahakian, B., Reynolds, C. F., Clark, L. (2011). Lethal Forethought: Delayed reward discounting differentiates high- and low-lethality suicide attempts in old age. *Biological Psychiatry*, 70(2), 138-144. PMID: 21329911. doi:10.1016/j.biopsych.2010.12.025
- 62 Franzen P.L., Gianaros P.J., Marsland A.L., Hall M.H., **Siegle G.J.**, Dahl R.E., Buysse D.J. (2011): Cardiovascular reactivity to acute psychological stress following sleep deprivation. *Psychosomatic Medicine*, 73(8), 679-682. doi:10.1097/PSY.0b013e31822ff440
- 63 Tan, P. Z., Forbes, E. E., Dahl, R. E., Ryan, N. D., **Siegle, G. J.**, Ladouceur, C. D., & Silk, J. S. (2012). Emotional reactivity and regulation in anxious and nonanxious youth: a cell-phone ecological momentary assessment study. *J Child Psychol Psychiatry*, 53(2), 197-206. PMID: 22176136 doi: 10.1111/j.1469-7610.2011.02469.x
- 64 Silk, J.S., Stroud, L., Dahl, R., **Siegle, G.J.**, Lee, K.H., Nelson, E. (2012). Peer acceptance and rejection through the eyes of youth: Pupillary, eyetracking, and ecological data from the Chatroom Interact task. *Social, Cognitive, and Affective Neuroscience*, 7(1), 93-105. PMID: 21775386. doi:10.1093/scan/nsr044
- 65 Dahl, R. E., Silk, J. S., & **Siegle, G. J.** (2012). Physiological measures of emotion dysregulation: Investigating the development of affective disorders. *Monographs of the Society for Research in Child Development*, 77(2), 69-78. doi:10.1111/j.1540-5834.2011.00664.x
- 66 Price, R. B., **Siegle, G., J.** & Mohlman, J. (2012). Emotional stroop performance in older adults: effects of habitual worry. *Am J Geriatr Psychiatry*, 20(9), 798-805. doi:10.1097/JGP.0b013e318230340d
- 67 Meites, T. M., Ingram, R. E., & **Siegle, G. J.** (2012). Unique and shared aspects of affective symptomatology: The role of parental bonding in depression and anxiety symptom profiles. *Cognitive Therapy and Research*, 36(3), pp. doi:10.1007/s10608-011-9426-3
- 68 Hooley, J., **Siegle, G.J.**, Gruber, S. A. (2012) Affective and neural reactivity to criticism in

individuals high and low on perceived criticism. *PLoS-One*, 7(9), 1-9.
doi:10.1371/journal.pone.0044412

- 69 Conner, O. L., **Siegle, G. J.***, McFarland, A. M., Silk, J. S., Ladouceur, C. D., Dahl, R. E., Coan, J.A., Ryan, N.D. (2012). Mom – it helps when you’re right here! Attenuation of neural stress markers in anxious youths whose caregivers are present during fMRI. *PLoS ONE*, 7(12), e50680. doi:10.1371/journal.pone.0050680
- 70 **Siegle, G.J.**, Thompson, W. K., Collier, A., Berman, S. R., Feldmiller, J., Thase, M. E., & Friedman, E. S. (2012). Toward clinically useful neuroimaging in depression treatment: Prognostic Utility of subgenual cingulate activity for determining depression outcome in Cognitive Therapy across studies, scanners, and patient characteristics. *Archives of General Psychiatry*, 69(9), 913-924. NIHMSID 524641. doi:10.1001/archgenpsychiatry.2012.65
- 71 Lee, K.H.L & **Siegle, G.J.*** (2012). Common and distinct brain networks underlying explicit emotional evaluation: A meta-analytic study. *Social Cognitive and Affective Neuroscience*. 7(5), 521-534. PMID: 19270039. doi:10.1093/scan/nsp001
- 72 Silk, J. S., Sheeber, L., Tan, P. Z., Ladouceur, C. D., Forbes, E. E., McMakin, D. L., Dahl, R. E., **Siegle, G.J.**, Kendall, P.C., Mannarino, A., Ryan, N.D. (2013). You can do it!: The role of parental encouragement of bravery in child anxiety treatment. *Journal of Anxiety Disorders*, 27(5), 439-446. doi:10.1016/j.janxdis.2013.06.002
- 73 Price, R.B., **Siegle, G.J.***, Silk, J.S., Ladouceur, C., McFarland, A., Dahl, R.E., Ryan, N.D. (2013) Sustained neural alterations in anxious youth performing an attentional bias task: A pupillometry study. *Depression and Anxiety*, 30(1), 22-30. doi:10.1002/da.21966
- 74 Graur, S., **Siegle, G.J.*** (2013). Pupillary motility: Bringing neuroscience to the psychiatry clinic of the future. *Current Neurology and Neuroscience Reports*, 13(8), 365-372. PMID: 23780801. doi:10.1007/s11910-013-0365-0
- 75 Price R.B., Paul, B.S., Schneider, W., **Siegle, G.J.*** (2013) Neural correlates of three emotion regulation strategies: A preliminary step towards personalized treatment for psychological disorders. *Cognitive Therapy and Research*, 37, 657-572. doi:10.1007/s10608-012-9508-x
- 76 Dombrovski, A., **Siegle, G.J.***, Szanto, K., Clark, L., Reynolds, C.F., Aizenstein, H. (2013) The temptation of suicide: Striatal gray matter, discounting of delayed rewards, and suicide attempts in late-life depression. *Psychological Medicine*. 42(6), 1203-1215. PMID: 21999930. PMID:PMC3368587. doi:10.1017/s0033291711002133
- 77 Miller JM+, Schneck N+, **Siegle G.J.**, Chen Y, Ogden RT, Kikuchi T, Oquendo MA, Mann JJ, Parsey RV. (2013). fMRI response to negative words and SSRI treatment outcome in major depressive disorder: A preliminary study. *Psychiatry Research: Neuroimaging*, 214(3), 296-305. PMID: PMC4083855. doi:10.1016/j.psychres.2013.08.001 +These authors contributed equally.
- 78 Mullin BC, Phillips ML, **Siegle GJ**, Buysse DJ, Forbes EE, Franzen PL (2013): Sleep deprivation amplifies striatal activation to monetary reward. *Psychological Medicine*, 43(10), 2215-2225. doi:10.1017/s0033291712002875
- 79 Mandell, D., **Siegle, G.J.***, Shutt, L., Feldmiller, J., Thase, M.E. (2014). Neural substrates of trait ruminations in depression. *Journal of Abnormal Psychology*, 123(1), 35-48. NIHMSID 574708. doi:10.1037/a0035834. Winner Bassell Student publication award, University of Pittsburgh, Department of Psychology.
- 80 Price, R.B., **Siegle, G.J.***, Silk, J.S., Ladouceur, C., McFarland, A., Dahl, R.E., Ryan, N.D. (2014). Looking under the hood of the dot-probe task: an fMRI study in anxious youth. *Depression and Anxiety*, 31(3), 178-187, PMID: 3992818. DOI: 10.1002/da.22255 (Winner, Donald Klein Award paper).
- 81 Tan, P.Z., Lee, K.H., Dahl, R.E., Nelson, E.E., Stroud, L.J., **Siegle, G.J.**, Morgan, J.K., Silk, J.S. (2014). Associations between maternal negative affect and adolescent’s neural response to peer evaluation, *Developmental Cognitive Neuroscience*, 8, 21-39. DOI: 10.1016/j.dcn.2014.01.006 S1878-9293(14)00008-5
- 82 Burkhouse, K. L., **Siegle, G. J.***, & Gibb, B. E. (2014). Pupillary reactivity to emotional stimuli in

- children of depressed and anxious mothers. *J Child Psychol Psychiatry*, 55(9), 1009-1016. doi: 10.1111/jcpp.12225
- 83 **Siegle, G. J.**+, Price, R. B.+, Jones, N. P., Ghinassi, F., & Thase, M. E. (2014). You gotta work at it: Pupillary indices of task focus are prognostic for response to a neurocognitive intervention for depression. *Clinical Psychological Science*. + These authors contributed equally. 2(4) 455-471.
- 84 Lee, K. H. & **Siegle, G. J.*** (2014). Different brain activity in response to emotional faces alone and augmented by contextual information. *Psychophysiology*. 51(11), 1147-1157. doi:10.1111/psyp.12254
- 85 Silk, J.S., Nelson, E., Dahl, R.E., Stroud, L., Lee, K.H., **Siegle, G.J.*** (2014). Increased neural response to peer rejection associated with adolescent depression and pubertal development. *Social Cognitive and Affective Neuroscience*, 9(11), 1798-1807. doi:10.1093/scan/nst175
- 86 Burkhouse, K. L., Siegle, G. J., & Gibb, B. E. (2014). Pupillary reactivity to emotional stimuli in children of depressed and anxious mothers. *Journal of Child Psychology and Psychiatry*, 55(9), 1009-1016. doi:10.1111/jcpp.12225
- 87 Horner, M.S. +, **Siegle, G.J. +***, Schwartz, R., Price, R. B., Haggerty, A. E., Collier, A., Friedman, E.S. (2014). C'mon get happy! Reduced magnitude and duration of response during a positive affect induction in depression. *Depression and Anxiety*, 31(11), 952-960, doi:10.1002/da.22244. + These authors contributed equally.
- 88 Jones, N., **Siegle, G. J.***, & Mandell, D. (2015). Motivational and emotional influences on cognitive control in depression: A pupillometry study. *Cognitive, Affective, & Behavioral Neuroscience*, 15(2), 263-275. doi: 10.3758/s13415-014-0323-6
- 89 Dombrovski, A.Y., Szanto, K., Clark, L., Aizenstein, H.J., Chase, H.W., Reynolds, C.F., **Siegle, G.J.*** (2015). Corticostriathalamic reward prediction error signals and executive control in late-life depression. *Psychological Medicine*, 45(7), 1413-1424. DOI: <http://dx.doi.org/10.1017/S0033291714002517>.
- 90 Dombrovski, A.Y., Szanto, K., Clark, L., Reynolds, C.F., **Siegle, G.J.*** (2013). Reward signals, attempted suicide, and impulsivity in late-life depression. *JAMA Psychiatry*, 70(10), 1020-1030. doi:10.1001/jamapsychiatry.2013.75
- 91 Vanyukov, P. M., Szanto, K., **Siegle, G.J.**, Hallquist, M. N., Reynolds, C. F., Aizenstein, H. J., Dombrovski, A. (2015). Impulsive traits and unplanned suicide attempts predict exaggerated prefrontal response to angry faces in the elderly. *American Journal of Geriatric Psychiatry*, 23(8), 829-839. doi:10.1016/j.jagp.2014.10.004
- 92 Bistricky, S. L., Ingram, R.E., **Siegle, G.J.**, Short, M. (2015). Parental depression risk and reduced physiological responses during a valence identification task. *Cognitive Therapy and Research*, 39(3), 318-331. DOI:10.1007/s10608-014-9660-6.
- 93 Lee, K. H., **Siegle, G.J.***, Dahl, R.E., Hooley, J.M., Silk, J.S. (2015) Neural responses to maternal criticism in healthy youth. *Social, Cognitive, Affective Neuroscience*, 10(7), 902-912. doi:10.1093/scan/nsu133
- 94 Calkins A.W., McMorran K.E., **Siegle G.J.**, Otto M.W. (2015) The effects of computerized cognitive control training on community adults with depressed mood. *Behavioural and Cognitive Psychotherapy*.43(5), 578-589. doi:10.1017/s1352465814000046
- 95 Price, R. B., Kuckertz, J. M., **Siegle, G. J.**, Ladouceur, C. D, Silk, J. S., Ryan, N. D., Dahl, R. E., Amir, N. (2015) Empirical recommendations for improving the stability of the dot-probe task in clinical research. *Psychological Assessment*, 27(2), 365-376. doi:10.1037/pas0000036
- 96 Burkhouse, K. L., **Siegle, G. J.**, Woody, M. L., Gibb, B. E. (2015) Pupillary reactivity to sad stimuli as a biomarker of depression risk: Evidence from a prospective study of children. *Journal of Abnormal Psychology*, 124(3), 498-506. doi:10.1037/abn0000072
- 97 Taylor, B.J., Irish, L., Martire, L., **Siegle G.J.**, Krafty, R.T., Schulz, R., Hall, M. (2015) Avoidance coping and sleep fragmentation in caregivers of spouses with dementia. *Psychosomatic Medicine*, 77(9), 1050-1057. doi:10.1097/psy.0000000000000237
- 98 **Siegle, G.J.**, D'Andrea, W.D., Jones, N.P., Hallquist, M.N., Stepp, S., Fortunato, A., Morse, J. Q., Pilkonis, P.A. (2015) Prolonged physiological reactivity and loss: Association of pupillary reactivity

- with negative thinking and feelings. *International Journal of Psychophysiology*, 98(2), 310-320. doi:10.1016/j.ijpsycho.2015.05.009
- 99 Collier, A., **Siegle, G.J.*** (2015). Individual differences in response to prediction bias training. *Clinical Psychological Science*, 3(1), 79-90. doi:10.1177/2167702614560747
- 100 Taylor, B. J., Irish, L. A., Martire, L. M., **Siegle, G. J.**, Krafty, R. T., Schulz, R., & Hall, M. H. (2015). Avoidant Coping and Poor Sleep Efficiency in Dementia Caregivers. *Psychosom Med*, 77(9), 1050-1057. doi:10.1097/PSY.0000000000000237
- 101 Vanyukov, P. M., Szanto, K., Hallquist, M. N., **Siegle, G. J.**, Reynolds, C. F., Forman, S. D., et al. (2016). Paralimbic and lateral prefrontal encoding of reward value during intertemporal choice in attempted suicide. *Psychological Medicine*, 46(2), 381-391. doi:10.1017/s0033291715001890
- 102 Young, K.D., **Siegle, G.J.***, Bodurka, J., Drevets, W.C. (2016). Amygdala activity during autobiographical memory recall in depressed and vulnerable individuals; Association with symptom severity and autobiographical overgenerality. *American Journal of Psychiatry*, 173(1), 78-89. doi:10.1176/appi.ajp.2015.15010119
- 103 Allen, K. B., Silk, J. S., Meller, S., Tan, P. Z., Ladouceur, C. D., Sheeber, L. B., Forbes, E.E., Dahl, R.E., **Siegle, G.J.**, McMakin, D.L., Ryan, N.D. (2016). Parental autonomy granting and child perceived control: effects on the everyday emotional experience of anxious youth. *Journal of child psychology and psychiatry, and allied disciplines*, 57(7), 835-842. doi:10.1111/jcpp.12482
- 104 Dutra, S. J., **Siegle, G.J.***, Reeves, E. J., Mauss, I. B., & Gruber, J. (2016). Feeling without thinking? Anger provocation task predicts impaired cognitive performance in bipolar disorder but not major depression or healthy adults. *Cognitive Therapy and Research*, 40(2), 139-149. doi:10.1007/s10608-015-9734-0
- 105 Kudinova, A. Y., Burkhouse, K. L., **Siegle, G.J.**, Owens, M., Woody, M. L., & Gibb, B. E. (2016). Pupillary reactivity to negative stimuli prospectively predicts recurrence of major depressive disorder in women. *Psychophysiology*, 53(12), 1836-1842. doi:10.1111/psyp.12764
- 106 Price, R.B., Greven, I.M., **Siegle, G.J.**, Koster, E. H. W., De Raedt, R. (2016) A novel attention training paradigm based on operant conditioning of eye gaze: Preliminary findings. *Emotion*, 16(1), 110-116. doi:10.1037/emo0000093
- 107 Wilckens, K.A., Aizenstein, H.J., Nofzinger, E.A, James, J.A., Hasler, B.P., Rosario-Rivera, B.L., Franzen, P., Germain, A., Hall, M.H., Kupfer, D.J., Price, J.C., **Siegle, G.J.**, Buysse, D.J. (2016). The Role of Non-Rapid Eye Movement Slow-Wave Activity in Prefrontal Metabolism across Young and Middle Age Adults. *Journal of Sleep Research*, 25(3), 296-306. doi:10.1111/jsr.12365
- 108 Stone, L. B., Silk, J. S., **Siegle, G. J.**, Lee, K. H., Stroud, L. R., Nelson, E. E., Dahl, R.E., Jones, N.P. (2016). Depressed Adolescents' Pupillary Response to Peer Acceptance and Rejection: The Role of Rumination. *Child psychiatry and human development*. 47(3), 297-406. DOI: 10.1007/s10578-015-0574-7
- 109 Callan J.A., **Siegle, G.J.***, Abebe, K., Black, B., Martire L., Schulz R., Reynolds C.F., Hall M. (2016) Feasibility of a Pocket-PC based cognitive control intervention in dementia spousal caregivers. *Aging and Mental Health*, 20(6), 575-582. DOI:10.1080/13607863.2015.1031635
- 110 Price, R. B., Allen, K. B., Silk, J. S., Ladouceur, C. D., Ryan, N. D., Dahl, R. E., Forbes, E.E., **Siegle, G. J.*** (2016). Vigilance in the laboratory predicts avoidance in the real world: A dimensional analysis of neural, behavioral, and ecological momentary data in anxious youth. *Dev Cogn Neurosci*, 19, 128-136. doi:10.1016/j.dcn.2016.03.001
- 111 Price RB+, Rosen D+, **Siegle GJ***, Ladouceur CD, Tang K, Benoit Allen K, Ryan ND, Dahl RE, Forbes EE, Silk JS. (2016). From anxious youth to depressed adolescents: Prospective prediction of 2-year depression symptoms via attentional bias measures. *J Abnorm Psychol*. 125(2), 267-278. +contributed equally. DOI: 10.1037/abn0000127
- 112 Silk, J.S., Tan, P.Z., Ladouceur, C.D., Meller, S.M., **Siegle, G.J.**, McMakin, D.L., Forbes, E.E., Dahl, R.E., Kendall, P.C., Mannarino, A., & Ryan, N.D. (2016). A Randomized Clinical Trial Comparing Individual Cognitive Behavioral Therapy and Child-Centered Therapy for Child Anxiety Disorders. *J Clin Child Adolesc Psychol*, 1-13. doi:10.1080/15374416.2016.1138408

- 113 Prause, N., **Siegle, G.J.***, Deblieck, C., Wu, A., Iacoboni, M. (2016) EEG to primary rewards: Predictive utility and malleability by brain stimulation. *PLOS One*, 11(11) e0165646. DOI: 10.1371/journal.pone.0165646, PMC5130195. doi:10.1371/journal.pone.0165646
- 114 McMakin, D. L., Dahl, R. E., Buysse, D. J., Cousins, J. C., Forbes, E. E., Silk, J. S., **Siegle, G.J.**, Franzen, P. L. (2016). The impact of experimental sleep restriction on affective functioning in social and nonsocial contexts among adolescents. *J Child Psychol Psychiatry*, 57(9), 1027-1037. doi:10.1111/jcpp.12568
- 115 Callan, J.A., Wright, J., **Siegle, G.J.**, Howland, R.H., Kepler, B.B. (2017). Use of computer and mobile technologies in the treatment of depression. *Archives of Psychiatric Nursing*, 31(3), 311-318. doi: 10.1016/j.apnu.2016.10.002.
- 116 Bruder, G.E., Haggerty, A., & **Siegle, G.J.*** (2017). A quick behavioral dichotic word test is prognostic for clinical response to cognitive therapy for depression: A replication study. *Psychiatry Research*, 248, 13-19. doi:10.1016/j.psychres.2016.12.011
- 117 Wallace, M.L., McMakin, D.L., Tan, P.Z., Rosen, D., Forbes, E.E., Ladouceur, C.D., Ryan, N.D., **Siegle, G.J.**, Dahl, R.E., Kendall, P.C., Mannarino, A., Silk, J.S. (2017) The role of day-to-day emotions, sleep, and social interactions in pediatric anxiety treatment. *Behaviour Research and Therapy*, 90, 87-95. <http://dx.doi.org/10.1016/j.brat.2016.12.012>
- 118 Yamamoto, T., Toki, S., **Siegle, G.J.**, Takamura, M., Takeshi, Y., Yoshimura, S., Okada, G., Matsumoto, T., Nakao, T., Muranaka, H., Kaseda, Y., Murakami, T., Okamoto, Y., Yamawaki, S. (2017). Increased amygdala reactivity following early life stress: a potential resilience enhancer role. *BMC Psychiatry*, 17(1), 27. doi: 10.1186/s12888-017-1201-x
- 119 Breeden, A. L., **Siegle, G. J.***, Norr, M. E., Gordon, E. M., & Vaidya, C. J. (2017). Coupling between spontaneous pupillary fluctuations and brain activity relates to inattentiveness. *Eur J Neurosci*, 45(2), 260-266. doi:10.1111/ejn.13424
- 120 Rabellino, D., D'Andrea, W., **Siegle, G.J.**, Frewen, P. A., Minshew, R., Densmore, M., Neufeld, R.W., Theberge, J., McKinnon, M.C., Lanius, R. A. (2017). Neural correlates of heart rate variability in PTSD during sub- and supraliminal processing of trauma-related cues. *Hum Brain Mapp*, 38(10), 4898-4907. doi:10.1002/hbm.23702
- 121 Woody, M. L., Burkhouse, K. L., **Siegle, G. J.**, Kudinova, A. Y., Meadows, S. P., & Gibb, B. E. (2017). Pupillary response to emotional stimuli as a risk factor for depressive symptoms following a natural disaster: The 2011 Binghamton flood. *Clin Psychol Sci*, 5(4), 726-732. doi:10.1177/2167702617699932
- 122 Martin, E. A., Karcher, N. R., Bartholow, B. D., **Siegle, G. J.**, & Kerns, J. G. (2017). An electrophysiological investigation of emotional abnormalities in groups at risk for schizophrenia-spectrum personality disorders. *Biol Psychol*, 124, 119-132. doi:10.1016/j.biopsycho.2017.02.001
- 123 Young, K. D., Misaki, M., Harmer, C. J., Victor, T., Zotev, V., Phillips, R., **Siegle, G.J.**, Drevets, W.C., Bodurka, J. (2017). Real-Time Functional Magnetic Resonance Imaging Amygdala Neurofeedback Changes Positive Information Processing in Major Depressive Disorder. *Biol Psychiatry*, 82(8), 578-586. doi:10.1016/j.biopsycho.2017.03.013
- 124 Young, K. D., **Siegle, G. J.***, Zotev, V., Phillips, R., Misaki, M., Yuan, H., Drevets, W.C., Bodurka, J. (2017). Randomized Clinical Trial of Real-Time fMRI Amygdala Neurofeedback for Major Depressive Disorder: Effects on Symptoms and Autobiographical Memory Recall. *Am J Psychiatry*, 174(8), 748-755. doi:10.1176/appi.ajp.2017.16060637
- 125 Price, R. B., Gates, K., Kraynak, T. E., Thase, M. E., & **Siegle, G. J.*** (2017). Data-Driven Subgroups in Depression Derived from Directed Functional Connectivity Paths at Rest. *Neuropsychopharmacology*, 42(13), 2623-2632. doi:10.1038/npp.2017.97
- 126 Price, R. B., Lane, S., Gates, K., Kraynak, T. E., Horner, M. S., Thase, M. E., & **Siegle, G. J.*** (2017). Parsing Heterogeneity in the Brain Connectivity of Depressed and Healthy Adults During Positive Mood. *Biol Psychiatry*, 81(4), 347-357. doi:10.1016/j.biopsycho.2016.06.023
- 127 Porter, R.J., Hammar, A., Beevers, C.G., Bowie, C.R., Oystein, O.N., Peckham, A.D., **Siegle, G.J.**, Tharp, J.A., Ueland, T., Vinogradov, S., Johnson, S.L. (2017). Cognitive and affective remediation

- training for mood disorders. *Aust N Z J Psychiatry*, 51(4), 317-319. doi:10.1177/0004867416678079
- 128 Soodalter, J. A., **Siegle, G. J.***, Klein-Fedyshin, M., Arnold, R., & Schenker, Y. (2017). Affective science and avoidant end-of-life communication: Can the science of emotion help physicians talk with their patients about the end of life? *Patient Educ Couns*. doi:10.1016/j.pec.2017.12.008
- 129 Silk, J. S., Lee, K. H., Elliott, R. D., Hooley, J. M., Dahl, R. E., Barber, A., & **Siegle, G. J.*** (2017). 'Mom-I don't want to hear it': Brain response to maternal praise and criticism in adolescents with major depressive disorder. *Soc Cogn Affect Neurosci*, 12(5), 729-738. doi:10.1093/scan/nsx014
- 130 Feurer, C., Burkhouse, K. L., **Siegle, G.**, & Gibb, B. E. (2017). Increased pupil dilation to angry faces predicts interpersonal stress generation in offspring of depressed mothers. *J Child Psychol Psychiatry*, 58(8), 950-957. doi:10.1111/jcpp.12739
- 131 Young, K. D., **Siegle, G. J.***, Misaki, M., Zotev, V., Phillips, R., Drevets, W. C., & Bodurka, J. (2018). Altered task-based and resting-state amygdala functional connectivity following real-time fMRI amygdala neurofeedback training in major depressive disorder. *Neuroimage Clin*, 17, 691-703. doi:10.1016/j.nicl.2017.12.004
- 132 Price, R. B., Cummings, L., Gilchrist, D., Graur, S., Banihashemi, L., Kuo, S. S., & **Siegle, G. J.*** (2018). Towards personalized, brain-based behavioral intervention for transdiagnostic anxiety: Transient neural responses to negative images predict outcomes following a targeted computer-based intervention. *J Consult Clin Psychol*, 86(12), 1031-1045. doi:10.1037/ccp0000309
- 133 Koppensteiner, M., & **Siegle, G. J.** (2018). Speaking through the body. *Politics and the Life Science*, 36(2), 104-113. doi: 10.1017/pls.2017.23
- 134 Yamamoto, T., Sugaya, N., **Siegle, G.J.**, Kumano, H., Shimada, H., Machado, S., Murillo-Rodriguez, E., Rocha, N.B., Nardi, A.E., Takamura, M., Okamoto, Y., Yamawaki, S. (2018). Altered gamma-band activity as a potential biomarker for the recurrence of major depressive disorder. *Frontiers in Psychiatry*, 9, doi.org/10.3389/fpsy.2018.00691
- 135 Woody, M. L., J. O. Yang, L. Cummings, D. Gilchrist, Graur, S. **Siegle, G. J.**, Price, R. B. (2019). Protracted amygdalar response predicts efficacy of a computer-based intervention targeting attentional patterns in transdiagnostic clinical anxiety. *Translational Psychiatry*, 9(1): 121. doi:10.1038/s41398-019-0458-x
- 136 Silk, J. S., Price, R. B. Rosen, D. Ryan, N. D., Forbes, E. E., **Siegle, G. J.** Dahl, R. E., McMakin, D. L., Kendall, P. C., Ladouceur, C. D. (2019). A Longitudinal Follow-up Study Examining Adolescent Depressive Symptoms as a Function of Prior Anxiety Treatment. *J Am Acad Child Adolesc Psychiatry*, 58(3): 359-367.
- 137 Lee, K. H., Oppenheimer, C. W., **Siegle, G. J.**, Ladouceur, C. D., Lee, G. E., Silk, J. S., & Dahl, R. E. (2018). Prefrontal cortical response to negative social words links social risk to depressive symptoms in adolescence. *Journal of Research on Adolescence*, 28(1), 87–102. doi: 10.1111/jora.12360
- 138 Gotham, K. O., **Siegle, G.J.***, Han, G.T., Tomarken, A.J., Crist, R. N., Simon, D.M., Bodfish, J.W. (2018). Pupil Response to Social-Emotional Material Is Associated with Rumination and Depressive Symptoms in Adults with Autism Spectrum Disorder. *PLoS One* 13 (8): e0200340. doi:10.1371/journal.pone.0200340
- 139 Lawrence, H.R., Haigh, E.A.P., **Siegle, G.J.**, Schwartz-Mette, R.A. (2018). Verbal and visual depressive cognition: Implications for the rumination-depression relationship. *Cognitive Therapy and Research*, 42(4) 421-435. doi:10.1007/s10608-018-9890-0
- 140 Ricketts, E. J., Price, R. B., **Siegle, G. J.**, Silk, J. S., Forbes, E. E., Ladouceur, C. D., Harvey, A. G., Ryan, N. D., Dahl, R. E., & McMakin, D. L. (2018). Vigilant attention to threat, sleep patterns, and anxiety in peripubertal youth. *Journal of Child Psychology and Psychiatry*, 59(12), 1309-1322. doi:10.1111/jcpp.12923
- 141 Spinhoven, P., Klein, N. Kennis, M., Cramer, A. O. J., **Siegle, G.J.**, Cuipers, P., Ormel, J., Hollon, S.D., Bockting, C. L. (2018) The effects of cognitive-behavior therapy for depression on repetitive negative thinking: a meta-analysis. *Behavior Research and Therapy*, 106, 71-85. doi: 10.1016/j.brat.2018.04.002

- 142 Ladouceur CD, Tan P, Sharma V, Bylsma L, Silk J, **Siegle G.J.**, Forbes E, McMakin DL, Dahl RE, Kendall PC, Mannarino A, Ryan ND. (2018). Error-related Brain activity in pediatric anxiety disorders remains elevated following individual therapy: A randomized clinical trial. *Journal of Child Psychology and Psychiatry*. 59(11), 1152-1161. doi:10.1111/jcpp.12900
- 143 McMakin, D. L., Ricketts, E. J., Forbes, E. E., Silk, J. S., Ladouceur, C. D., **Siegle, G. J.**, Milbert, M., Trubnick, L., Cousins, J.C., Ryan, N.D., Harvey, A.G., Dahl, R. E. (2019). Anxiety treatment and targeted sleep enhancement to address sleep disturbance in pre/early adolescents with anxiety. *Journal of Clinical Child and Adolescent Psychology*, 48(sup1), S284–S297. doi:10.1080/15374416.2018.1463534
- 144 Callan, J.A., Kzantiz, N., Park, S. Y., Moore, C.G., Thase, M.E., Minhajuddin, A., Kornblith, S., **Siegle, G.J.*** (2019). A propensity score analysis of homework adherence-outcome relations in cognitive behavioral therapy for depression. *Behavior Therapy*, 50(2), 285-299, <https://doi.org/10.1016/j.beth.2018.05.010>
- 145 Rosen, D., Price, R. B., Ladouceur, C. D., **Siegle, G. J.**, Hutchinson, E., Nelson, E. E., Stroud, L.R., Forbes, E.E., Ryan, N.D., Dahl, R.E., Silk, J. S. (2019). Attention to peer feedback through the eyes of adolescents with a history of anxiety and healthy adolescents. *Child Psychiatry & Human Development*. 50(6), 894-906, doi:10.1007/s10578-019-00891-8
- 146 Fani, N. King, T.Z., Lott, A., Hardy, R.A., **Siegle, G.J.**, Blair, R.J., Surapaneni, S., Rooij, S.V., Ressler, K.J., Jovanovic, T., Bradley, B. (2019) Cognitive and neural facets of dissociation in a traumatized population. *Emotion*. 19(5), 863-875. doi:10.1037/emo0000466
- 147 Kerr, M., **Siegle, G. J.*** & Orsini, J. (2019). Voluntary arousing negative experiences (VANE): Why we like to be scared. *Emotion*, 19(4), 682-698. doi:10.1037/emo0000470
- 148 Martin, E., **Siegle, G.J.***, Steinhauer, S., Condray, R. (2019) Timing matters in elaborative processing of positive stimuli: Gamma band reactivity in schizophrenia compared to depression and healthy adults. *Schizophrenia Research*, 204, 111-119. doi:10.1016/j.schres.2018.08.008
- 149 Butterfield, R.D., **Siegle, G.J.***, Lee, K.H., Ladouceur, C.D., Forbes, E.E., Dahl, R.E., Ryan, N.D., Sheeber, L., Silk, J.S. (2019) Parental coping socialization is associated with healthy and anxious early-adolescents' neural and real-world response to threat. *Developmental Science*, e12812. doi:10.1111/desc.12812
- 150 Price, R. B., Brown, V., & **Siegle, G. J.*** (2019). Computational Modeling Applied to the Dot-Probe Task Yields Improved Reliability and Mechanistic Insights. *Biological Psychiatry*, 85(7), 606-612. doi:10.1016/j.biopsych.2018.09.022
- 151 Silk, J. S., Price, R. B., Rosen, D., Ryan, N. D., Forbes, E. E., Siegle, G. J., Dahl, R. E., McMakin, D. L., Kendall, P. C., & Ladouceur, C. D. (2019). A Longitudinal Follow-up Study Examining Adolescent Depressive Symptoms as a Function of Prior Anxiety Treatment. *Journal of the American Academy of Child and Adolescent Psychiatry*, 58(3), 359-367. doi:10.1016/j.jaac.2018.10.012
- 152 **Siegle, G.J.**, Cramer, A.O.J., van Eck, N. J., Spinhoven, P., Hollon, D., Ormel, J., Strege, M., Bockting, C.H. (2019) Where are the breaks in translation from theory to clinical practice (and back) in addressing depression? An empirical graph-theoretic approach. *Psychological Medicine*, 49(16), 2681-2691, doi: <https://doi.org/10.1017/S003329171800363X>
- 153 Price RB, Woody M, Panny B, **Siegle GJ***. (2019) Pinpointing mechanisms of a mechanistic treatment: Dissociable roles for overt and covert attentional processes in acute and long-term outcomes following Attention Bias Modification. *Clinical Psychological Science*, 7(5), 1042-1062. doi:10.1177/2167702619842556
- 154 Zhang, M., **Siegle, GJ***, McNeil, M., Pratt, S., Palmer, C. (2019). The role of reward and task demand in value-based strategic auditory comprehension effort allocation. *Hearing Research*, 381. doi:10.1016/j.heares.2019.107775
- 155 Doukas, A.M., D'Andrea, W.M., Gregory, W.E., Joachin, B., Lee, K.A., Robinson, G., Freed, S.J., Khedari-Depierro, V., Pfeffer, K.A., Todman, M., **Siegle, G.J.*** (in press). Hurts so good: Pain as an emotion regulation strategy, *Emotion*.
- 156 Mazefsky, C., Collier, A., Golt, J., **Siegle, G.J.*** (in press). Neural features of sustained emotional

information processing in autism spectrum disorder, *Autism: The International Journal of Research and Practice*.

* = Senior or corresponding author

Other Peer Reviewed Publications

- 1 **Siegle, G. J.** (1997) Why I make models (or what I learned in graduate school about validating clinical causal theories with computational models). *The Behavior Therapist*, 20, 179-184.
- 2 DeRubeis, R.J., **Siegle, G. J.**, Hollon, S., (2008). Cognitive therapy versus medications for depression: treatment outcomes and neural mechanisms. *Nature Neuroscience: Reviews*, 9, 788-796. PMID: 18784657.
- 3 **Siegle, G.J.**, Johnson, S. L., Everhart, D.E., Newton, T. (2010). Tips on writing National Research Service Award Predoctoral Fellowship proposals from real NRSA reviewers. *The Behavior Therapist*, 33, 160-164.
- 4 Hofmann, S., Ellard, K.K., **Siegle, G.J.**, (2012) Neurobiological correlates of cognitions in fear and anxiety: A cognitive-neurobiological information processing model, *Cognition and Emotion*, 26(2), 282-299. PMID: 21806384. doi:10.1080/02699931.2011.579414
- 5 Richey JA, Ellard KK, **Siegle GJ**, Price RB, Mohlman J, de Raedt R, Browning M, Weissman AS. Closing the gap between science and practice: Report from the Neurocognitive Therapies/ Translational Research (NT/TR) Special Interest Group. *The Behavior Therapist*. 2013;36:158-160.
- 6 Price, R.B., Ellard, K.K., Weissman, A.S., Deckherschbach, T., Mohlman, J., De Raedt, R., **Siegle, G.J.*** (2015). Response to the special issue: Comment on The Biomedical Model of Psychological Problems. *The Behavior Therapist*, 38(8), 259-260.
- 7 Ormel, J., Spinhoven, P., de Vries, Ymkje, Cramer, A.O.J., **Siegle, G.J.**, Bockting, C.L.H., Hollon, S.D. (in press) The antidepressant standoff. Why it continues and how to resolve it. *Psychological Medicine*

Other Non-peer Reviewed Publications

- 1 **Siegle, G. J.**, & Ingram, R. E. (1996). The big picture. *Contemporary Psychology*, 41(2), 163-164.
- 2 **Siegle, G. J.** (1999). How to legitimate a field. *Neural Networks*, 12, 1331-1333.
- 3 **Siegle, G. J.** (1999). A neural network model of attention biases in depression. *Progress in Brain Research*, 121, 415-441. This paper is also available on the World Wide Web at <http://kraepelin.wpic.pitt.edu/~siegle/gregweb/nndepmod/>
- 4 **Siegle, G. J.** & Segal, Z. (2000). The river is wide but the current is strong. *Contemporary Psychology*. 45, 3, 257-259
- 5 **Siegle, G. J.**, Konecky, R.O., Thase, M.E. Carter, C. S., (2003). Relationships between amygdala volume and activity during emotional information processing tasks in depressed and never-depressed individuals: An fMRI investigation. *Annals of the New York Academy of Science*, 985, 481-484.
- 6 Papageorgiou, C. & **Siegle, G.J.** (2003). Rumination and Depression: Advances in Theory and Research. *Cognitive Therapy and Research*, 27, 243-245.
- 7 **Siegle, G.J.** & Ford, J. (2002-2010). *Some hints on obtaining a K01 for post-docs and junior faculty*. Available web: <http://www.4researchers.org/contributors495>. Also available web as a slide-show and interview with Greg Siegle by MediSpin, MedEd Mentoring: <http://www.mededmentoring.org/proginfo.asp?progid=25&pg=1>. The most recent version of this document is maintained at: <http://www.pitt.edu/~gsiegle/khints-wholeworld070610.pdf>
- 8 **Siegle, G.J.** (2007). Brain mechanisms of borderline personality disorder at the intersection of cognition, emotion, and the clinic. *American Journal of Psychiatry*, 164, 1776-1779.
- 9 Horner, M. S. & **Siegle, G. J.** (2008) Integration of neuroimaging into clinical pediatric psychiatry? *Journal of the American Academy of Child & Adolescent Psychiatry*, 47, 1211-1212.

- 10 **Siegle, G.J.** (2008). Introduction to Special Issue on Rumination: From Mechanisms to Treatment. *Cognitive Therapy and Research*, 32, 4, 471-473.
- 11 **Siegle, G.J.** & Dannlowski, U. (2009). Many roads, many Romes: Neuroscience of heterogeneity in unipolar depression. *Frontiers in Neuroscience*, 3, 232-233.
- 12 **Siegle, G.J.** (2009). Neuroimaging of cognitive behavioural therapy for depression and anxiety: Towards personalized treatment. *European Journal of Neuropsychopharmacology*, 19, S.17.01. DOI: 10.1016/S0924-977X(09)70258-5
- 13 Tindle, H.A., Chang, Y.F., Manson, J.E., Robinson, J.G., Rosal, M.C., **Siegle, G.J.**, Matthews, K.A. (2010). Response to Letter Regarding Optimism, cynical hostility, and incident coronary heart disease and mortality in the Women's Health Initiative. *Circulation*, 121, e408, <https://doi.org/10.1161/CIRCULATIONAHA.109.929166>
- 14 **Siegle, G.J.** (2011). Wherefore art thou, depression clinic of tomorrow? *Clinical Psychology: Science & Practice*, 18(4), 305-310. doi:10.1111/j.1468-2850.2011.01261.x
- 15 Callan, J.A., Thase, M.E., **Siegle, G.J.** (2012). Advancing the evidence and approaches for homework. *Advances in Cognitive Therapy Newsletter*, 11(4), 8-10.
- 16 **Siegle, G.J.**, Price, R.B. (2019). Considering psychometrics and standards when developing mechanistic assessments. *The Behavior Therapist*, 42(7), 185-186.

Book Chapters

- 1 Dombeck, M., **Siegle, G. J.**, & Ingram, R. E., (1996). Cognitive interference and coping strategies in vulnerability to negative affect: The threats to identity model. In I. G. Sarason, B. Sarason, & G. Pierce (Eds.). *Cognitive interference: Theories, methods, and findings*. (pp. 299-323). Mahwah, NJ: Erlbaum.
- 2 **Siegle, G. J.** & Ingram, R. (1997). Modeling individual differences in negative information processing biases. In G. Matthews (Ed.), *Cognitive Science Perspectives on Personality and Emotion*. pp. 301-353. New York, NY: Elsevier.
- 3 Ingram, R. E., Scott, W., **Siegle, G. J.** (1999) Depression: Social and Cognitive Aspects.. In T. Millon, P. H. Blaney, & R. D. Davis (Eds.), *Oxford Textbook of Psychopathology* (pp. 203-226). Oxford University Press.
- 4 Ingram, R. E. & **Siegle, G. J.** (2000). Cognition and clinical science: From revolution to evolution. In K. Dobson (Ed.) *Handbook of Cognitive Therapy*. (pp. 111-138). New York: Guilford.
- 5 Matthews, G., Derryberry, D., **Siegle, G. J.** (2000). Personality and emotion: Cognitive science perspectives. In S. E. Hampson (Ed.), *Advances in Personality Psychology*, vol. 1. (pp. 199-237) Psychology Press / Taylor & Francis, Philadelphia, PA.
- 6 Ingram, R. E. & **Siegle, G. J.** (2002). Contemporary methodological issues in the study of depression: Not your father's Oldsmobile. In I. Gotlib & C. Hammen (Eds). *Handbook of Depression*. 86-114.
- 7 **Siegle, G. J.** & Thayer, J. T. (2004). Physiological aspects of depressive rumination. In C. Papageorgiou & A. Wells (Eds). *Depressive Rumination: Nature, Theory and Treatment*. New York: Wiley. 79-104.
- 8 **Siegle, G.J.** (2008). Where our eyes don't go. In J. Brodsky (Ed.) *Make your own truth*. Pittsburgh, PA: Encyclopedia Destructica.
- 9 Ingram, R. E. & **Siegle, G. J.** (2008). Contemporary methodological issues in the study of depression. In I. Gotlib & C. Hammen (Eds). *Handbook of Depression (2nd Ed)*. Guilford.
- 10 **Siegle, G.J.** (2009). Brain Imaging in Mid-Life Depression. In R. E. Ingram (Ed.) *International Encyclopedia of Depression*, Springer.
- 11 **Siegle, G.J.** & Aizenstein, H. (2009). Computational Simulations of Depression. In R. E. Ingram (Ed.) *International Encyclopedia of Depression*, Springer.
- 12 **Siegle, G.J.** (2009). The Amygdala. In R. E. Ingram (Ed.) *International Encyclopedia of Depression*, Springer.

- 13 **Siegle, G. J.** & Aizenstein, H. (in press). Computational approaches to understanding the neurobiology of major depression: Integration through simulation. In D. Barch (Ed.) *Cognitive and affective neuroscience of psychopathology*. Oxford, England: Oxford University Press.
- 14 **Siegle, G.J.**, Forbes, E., Silk, J.S. (2014). Positive affect systems in depression: The road less (explicitly) traveled. In J. Gruber and J. Moskowitz (Eds). *Positive Emotion: Integrating the Light Sides and Dark Sides*, Oxford University Press.
- 15 Hansen, N. & **Siegle, G.J.** (2015). Paving the Road to the Neurocognitive Clinic of Tomorrow: Standards and Milestones. In Mohlman, J., Deckersbach, T., & Weissman, A. (Eds). *Clinical Psychology: A Neurocognitive Perspective*. New York, Routledge.
- 16 **Siegle, G.J.** & Coan, J. (2018). Neuroscience relevant to core processes in psychotherapy. In Hayes, S. & Hofmann, S. *Process Based CBT: The Science and Core Clinical Competencies of Cognitive Behavioral Therapy*. New Harbinger Publications, Oakland, CA.
- 17 Ingram, R.E., Balderas, J., **Siegle, G.J.** (2019). Cognitive science foundations of cognitive-behavioral therapy. In Dobson, K.S., & Dozois, D.J.A. (Eds). *Handbook of Cognitive Behavioral Therapies*, Fourth Edition, Guilford, New York, NY.

Published Abstracts

- 1 Dean, T., & **Siegle, G. J.**, (1990) *An Approach to Reasoning About Continuous Change for Applications in Planning*, Proceedings of the Eighth National Conference on Artificial Intelligence, Cambridge, MA. AAAI 1990: 132-137
- 2 Elliot, C. & **Siegle, G.** (1993). Emotion Intensity Factors in Simulated "Believable Agents". In WAUME '93: *Workshop on Architectures Underlying Motivation and Emotion*. Birmingham, UK: The University of Birmingham.
- 3 Elliott, C., and **Siegle, G. J.** (1993). *Variables influencing the intensity of simulated affective states*. In AAAI technical report for the Spring Symposium on Reasoning about Mental States: Formal Theories and Applications, 58-67. Stanford University, Palo Alto, CA.
- 4 **Siegle, G. J.** (1993). *The CLIM Prototyping Environment*. INTERCHI Adjunct Proceedings 1993: 39-40, 1990
- 5 Steinhauer, S., Condray, R., Kasparek, A., **Siegle, G.J.** (2000). Pharmacological dissociation of autonomic pathways contributing to pupillary dilation after motor activity. *Psychophysiology*, 37, S95-S95.
- 6 **Siegle, G. J.** (2000). Pupillary and reaction time assessment of attention to emotional information in depression. *Psychophysiology*, 37, S15-S15.
- 7 **Siegle, G.J.**, Steinhauer, S. (2000). Pupillary and reaction-time assessment of interference of emotional and nonemotional information on subsequent processing. *Psychophysiology*, 77(3) A8-A9.
- 8 **Siegle, G.J.**, Granholm, E., Steinhauer, S. (2000). In the mind's eye: a view through the pupil at cognition in psychopathology. *Psychophysiology*, 77(3) A8-A9.
- 9 **Siegle, G. J.**, Larson, C. L., Vickers, K. S., Deldin, P. J., & Cuthbert, B. (2001). Sustained processing of affective information in individuals with features of depression and anxiety. *Psychophysiology*, 38, S9-S9.
- 10 **Siegle, G. J.**, Steinhauer, S. R., Konecky, R. O., Thase, M. E., & Carter, C. S. (2002). Who's on last: Pupil dilation and fMRI assessment of inhibition between cognitive and emotional processing in depressed and healthy individuals. *Psychophysiology*, 39, S76-S76
- 11 Steinhauer, S. R., **Siegle, G. J.**, Condray, R., Carter, C. C., & Thase, M. E. (2002). Pupillary dilation, cognition, and psychiatric disorder: Insights to brain function. *International Journal of Psychophysiology*, 45(1-2), 43-43
- 12 **Siegle, G. J.**, Larson, C., Farace, L., Aizenstein, H., Smith, B., & Thase, M. E. (2003). Differences in pupil dilation associated with emotion regulation in depressed and never-depressed individuals. *Psychophysiology*, 40, S79-S79.
- 13 Gianaros, P. J., **Siegle, G. J.**, May, C. J., & Jennings, J. R. (2003). Exaggerated cardiovascular

- reactivity to stress relates to hyperactivation of the anterior cingulate cortex in humans. *Psychophysiology*, 40, S42-S42.
- 14 **Siegle, G. J.**, Steinhauer, S. R., Carter, C. S., & Thase, M. E. (2003). Sustained processing on the Stroop task in depression. *Psychophysiology*, 40, S79-S79.
 - 15 Silk, J. S., **Siegle, G. J.**, Dahl, R. E., & Jakubcak, J. L. (2004). Pupil dilation to emotional words in pediatric affective disorder. *Psychophysiology*, 41, S84-S84.
 - 16 **Siegle, G. J.**, Silk, J. S., Forbes, E. E., Steinhauer, S. R., Dahl, R. E., Carter, C. S., & Thase, M. E. (2004). Sustained pupil dilation to emotional information in depression: Developmental and mechanistic considerations. *Psychophysiology*, 41, S9-S9.
 - 17 Phillips, M., Ladouceur, C., Hassel, S., Kerr, N., **Siegle, G.J.**, Fissell, K., Surguladze, S., Thase, M., Kupfer, D. (2005). Toward the identification of biological markers of bipolar disorder: a first stage neuroimaging study. *Neuropsychopharmacology*, 30, S232-S232.
 - 18 **Siegle, G.J.**, Steinhauer, S., Thase, M. (2006). Fmri correlates of prolonged psychophysiological activity to emotional information. *Psychophysiology*, 77(3) A8-A9.
 - 19 Ichikawa, N., **Siegle, G.J.**, Nomura, M., Iidaka, T., Ohira, H. (2006). Effects of emotional and nonemotional error feedback on brain and cardiac reactivity. *Psychophysiology*, 43, S48-S49.
 - 20 **Siegle, G.J.**, Gotlib, I., Whalen, P., Thase, M. (2006). A little emotion goes a long way: increased amygdala responses to momentary emotional stimuli but blunted responses to repeated stimuli in unipolar depression. *Biological Psychiatry*, 51 S78-S78.
 - 21 Franzen, P. L., Siegle, G. J., Dahl, R. E., & Buysse, D. J. (2006). Measuring the impact of sleep deprivation on sleepiness and affect reactivity with pupillography. *Sleep*, 29, A153-A154.
 - 22 Franzen, P. L., Siegle, G. J., Duryea, D. N., & Buysse, D. J. (2006). Psychomotor vigilance task-related pupil dilation responses during sleep deprived and normal sleep conditions. *Sleep*, 29, A153-A153.
 - 23 Hassel, S., Ladouceur, C., Kerr, N., **Siegle, G.J.**, Fissell, K., Phillips, M. (2006). Processing facial affect in bipolar disorder: a functional neuroimaging study. *Biological Psychiatry*, 51 S78-S78.
 - 24 Steinhauer, S. R., **Siegle, G. J.**, Condray, R., & Gurklis, J. A. (2006). Pupil dilation during sustained processing: An indicator of intact effortful processing in schizophrenia. *International Journal of Psychophysiology*, 61(3), 338-338.
 - 25 **Siegle, G.J.**, Silk, J., Dahl, R., Ryan, N., Birmaher, B., Axelson, D., Hariri, A. (2007). Rostral cingulate activity is linked to problems in emotion regulation in the daily lives of adolescents with depression and anxiety. *Biological Psychiatry*, 51 S78-S78.
 - 26 Franzen, J., **Siegle, G.**, & Buysse, D. (2007). Neurobehavioral outcomes following sleep deprivation: Sleepiness, affective and cognitive domains. *Sleep*, 30, A140-A140.
 - 27 Horner, M., Eisenstein, H., Thase, M., **Siegle, G.J.** (2007). Functional brain correlates of dynamic mood changes in depression: is getting there the same as being there?. *Biological Psychiatry*, 61(8), 145S-145S.
 - 28 **Siegle, G. J.**, Silk, J., Dahl, R., Ryan, N., Birmaher, B., Axelson, D., & Hariri, A. (2007). Rostral cingulate activity is linked to problems in emotion regulation in the daily lives of adolescents with depression and anxiety. *Biological Psychiatry*, 61(8), 234S-234S.
 - 29 Zhou, D., Thompson, W., **Siegle, G.J.** (2008). Matlab tool box for functional connectivity. *Psychophysiology*, 45, S60-S60.
 - 30 **Siegle, G.J.**, Thompson, W., Zhou, D., Friedman, E. (2008). Emotion/cognition interactions: added clinical utility or just the sum of their parts? *Psychophysiology*, 45, S8-S8.
 - 31 Jones, N., **Siegle, G.J.**, Muelly, E., Haggerty, A., Ghinassi, F., Thase, M. (2008). Pupillary correlates of rumination during a frustrating serial working memory task in unipolar depression. *Psychophysiology*, 45, S80-S80.
 - 32 Goldin, P., Phan, K., Anand, A., **Siegle, G.J.**, Phillips, M. (2008). Functional connectivity in depression and social phobia: clinical implications. *Biological Psychiatry*, 63(7), 146S-146S.
 - 33 Atkinson, D., Dahl, R., Ryan, N., Silk, J., Birmaher, B., Axelson, D., Hariri, A., **Siegle, G.J.** (2008). Posterior cingulate activity to emotional faces correlates with automatic negative thoughts and

- worries in depressed and anxious adolescents. *Biological Psychiatry*, 63(7), 194S-194S.
- 34 Hall, M., Martire, L., **Siegle, G.**, Schulz, J., Okun, M., & Reynolds, C. F. (2008). Caregiver-related insomnia is associated with impairments in health and functioning: The Pittsburgh agewise caregiver study. *Sleep*, 31, A231-A231.
- 35 Szigethy, E., **Siegle, G.**, Silk, J., Hardy, D., Blazin, L., Frazer, L., Keljo, D., & Dahl, R. (2008). Neurobiological effects of steroids in youth with inflammatory bowel disease. *Inflammatory Bowel Diseases*, 14(1), S27-S27.
- 36 Tindle, H., Chang, Y., Kuller, L., Manson, J., Robinson, J., Rosal, M., **Siegle, G.J.**, Matthews, K. (2008). Optimism, hostility and incident coronary heart disease and mortality in the women's health initiative. *Circulation*, 118(18), S1145-S1146.
- 37 Franzen, P., **Siegle, G. J.**, Duryea, D. N., Wood, A., & Buysse, D. J. (2009). Sleep deprivation heightens emotional reactivity in anticipation of and in response to negative stimuli in healthy young adults. *Sleep*, 32, A128-A128.
- 38 Szanto, K., Dombrowski, A., Clark, L., Butters, M., **Siegle, G.J.**, Sahakian, B. (2009). Components of decision-making in elderly suicide attempters. *Biological Psychiatry*, 65(8), 27S-27S.
- 39 **Siegle, G.J.**, Friedman, E., Steinhauer, S., Thase, M. (2009). Prediction of recovery from recurrent unipolar depression in cognitive therapy with fmri and pupil dilation. *Biological Psychiatry*, 65(8), 27S-27S.
- 40 **Siegle, G.J.**, Horner, M., Friedman, E. (2009). Continuous changes in affect following a discrete stimulus: relationships of multiple behavioral indices to psychophysiology and brain imaging data in healthy and depressed adults. *Psychophysiology*, 46, S129-S129..
- 41 Franzen, P., Buysse, D., Duryea, D., Wood, A., **Siegle, G.J.** (2009). Sleep deprivation potentiates physiological reactivity to negative affective stimuli in healthy young adults. *Psychophysiology*, 46, S54-S55.
- 42 **Siegle, G.** (2009). Neuroimaging of cognitive behavioural therapy for depression and anxiety: towards personalised treatment. *European Neuropsychopharmacology*, 19, S200-S201. doi:10.1016/s0924-977x(09)70258-5
- 43 Steinhauer, S., Clarke, A., **Siegle, G.J.**, Condray, R., Chakraborty, B. (2010). Reduced pupillary oscillations in schizophrenia and depression suggest central parasympathetic deficit. *Psychophysiology*, 46, S54-S55.
- 44 Jain, S., **Siegle, G. J.**, Studenski, S. A., Greenamyre, J. T., & Steinhauer, S. R. (2010). Spontaneous "sleepy" pupillary oscillations in Parkinson's disease. *Movement Disorders*, 25(7), S332-S332.
- 45 Franzen, P. L., Buysse, D. J., Duryea, D. N., Wood, A., **Siegle, G. J.**, & Dahl, R. E. (2010). The emotional impact of sleep restriction in adolescents. *Sleep*, 33, A85-A85.
- 46 **Siegle, G.J.**, Silk, J., Burkhouse, K., Joyce, E., Dahl, R. (2010). Seeing eye to eye: concurrent pupillary reactivity during mother-child interactions. *Psychophysiology*, 47, S64-S64.
- 47 Condray, R., **Siegle, G.J.**, Steinhauer, S. (2010). Semantic memory and word frequency modulate n400 in the family members of schizophrenia patients. *Psychophysiology*, 47, S10-S10.
- 48 Chakraborty, B., **Siegle, G.J.**, Condray, R., Clarke, A., Sheppard, J., Steinhauer, S. (2010). Pupillary responses during digit span under light and darkness in psychiatric patients. *Psychophysiology*, 47, S80-S80.
- 49 Steinhauer, S. R., Clarke, A. L., **Siegle, G. J.**, Condray, R., & Chakraborty, B. H. (2010). Reduced pupillary oscillations in schizophrenia and depression suggest central parasympathetic deficit. *Psychophysiology*, 47, S80-S80.
- 50 Jain, S., **Siegle, G.J.**, Steinhauer, S., Jennings, J., Studenski, S., Greenamyre, J. (2010). Autonomic insufficiency in pupillary and cardiovascular systems in parkinson disease. *Neurology*, 74(9), A73-A74.
- 51 **Siegle, G.J.**, Friedman, E., Thase, M. (2010). Initial exploration of an fmri-based algorithm for selecting patients into treatment with cognitive behavior therapy (cbt) and antidepressants. *Biological Psychiatry*, 67(9), 99S-99S.

- 52 **Siegle, G.J.**, Friedman, E. (2010). Temporal dynamics of prefrontal responses to emotion following response to antidepressant and cognitive behavioral therapies for unipolar depression. *Biological Psychiatry*, 67(9), 270S-270S.
- 53 Paul, B., Thase, M., **Siegle, G.J.** (2010). Neural predictors of depressive relapse following cognitive therapy. *Biological Psychiatry*, 67(9), 145S-145S.
- 54 Dombrovski, A., Szanto, K., Clark, L., Reynolds, C., **Siegle, G.J.** (2010). Older suicide attempters fail to represent choice consequences: computational model-based fmri study. *Biological Psychiatry*, 67(9), 62S-62S.
- 55 Clark, L., Dombrovski, A., **Siegle, G.J.**, Butters, M., Shollenberger, C., Sahakian, B., Szanto, K. (2010). Older suicide attempters bet on unlikely gambles. *Biological Psychiatry*, 67(9), 62S-62S.
- 56 Steinhauer, S., **Siegle, G.J.**, Condray, R., Chakraborty, B. (2010). Working memory deficits in schizophrenia are reflected by deficits in pupillary dilation. *International Journal Of Psychophysiology*, 77(3), 254-255. doi:10.1016/j.ijpsycho.2010.06.071.
- 57 Franzen, P. L., Buysse, D. J., Dahl, R., & **Siegle, G. J.** (2011). Sleep deprivation increases amygdala reactivity during effortful attempts at emotion regulation via cognitive reappraisal. *Sleep*, 34, A98-A98.
- 58 Mullin, B. C., Phillips, M. L., Siegle, G. J., Forbes, E., Buysse, D. J., & Franzen, P. L. (2011). An fMRI study of sleep deprivation and reward in healthy young adults. *Sleep*, 34, A98-A98.
- 59 Cousins, J. C., McMakin, D., Dahl, R., Forbes, E., Silk, J., **Siegle, G. J.**, & Franzen, P. L. (2011). Experimental sleep restriction in adolescents: changes in behavioral and physiological measures of emotional reactivity. *Sleep*, 34, A67-A67.
- 60 Franzen, P. L., Gianaros, P. J., Marsland, A. L., Hall, M. H., **Siegle, G. J.**, Dahl, R., & Buysse, D. J. (2011). Sleepless nights and stressful days: Sleep deprivation and mental stress amplify surges in blood pressure. *Sleep*, 34, A93-A93.
- 61 **Siegle, G.J.**, Paul, B., Friedman, E. (2011). Towards clinically interpretable single-patient fmri: understanding response to cognitive therapy of unipolar depression as an example. *Biological Psychiatry*, 69(9), 140S-141S.
- 62 Mullin, B., Phillips, M., **Siegle, G.J.**, Buysse, D., Forbes, E., Franzen, P. (2011). Elevated ventral striatal reactivity to reward following sleep deprivation. *Biological Psychiatry*, 69(9), 270S-270S.
- 63 Dombrovski, A., **Siegle, G.J.**, Szanto, K., Clark, L., Reynolds, C., Aizenstein, H. (2011). Basal ganglia integrity, attempted suicide, and discounting of future rewards in late-life depression. *Biological Psychiatry*, 69(9), 245S-245S.
- 64 **Siegle, G.J.** (2011). Remission prognosis for cognitive therapy for recurrent depression using the pupil: utility and neural correlates (vol 69, pg 726, 2011). *Biological Psychiatry*, 51 S78-S78.
- 65 **Siegle, G.J.**, Collier, A., Friedman, E. (2011). Blunted and discordant affect sensitivity: syndrome or dimension in depression? *Psychophysiology*, 48, S9-S9.
- 66 Brickell, E., **Siegle, G.J.**, Szigethy, E., Silk, J., Jones, N., Kirshner, M., Newara, M., Lee, K. (2011). The effects of physical disease in pediatric depression: a comparison of brain activity in endogenous depression to depression comorbid with inflammatory bowel disease during an executive control task. *Psychophysiology*, 48, S83-S84.
- 67 **Siegle, G.J.**, Thompson, W., Friedman, E., Thase, M., Collier, A., McFarland, A., Ladouceur, C., Silk, J., Dahl, R., Ryan, N. (2012). Neural similarities between anxious youth and depressed adults. *Biological Psychiatry*, 71(8), 81S-81S.
- 68 Price, R., Paul, B., Schneider, W., **Siegle, G.J.** (2012). Neural correlates of three emotion regulation strategies: a preliminary step in advancing personalized neurocognitive treatment for psychiatric disorders. *Biological Psychiatry*, 71(8), 80S-81S.
- 69 Miller, J., Schneck, N., **Siegle, G.J.**, Kikuchi, T., Oquendo, M., Mann, J., Parsey, R. (2012). An emotional words fmri task predicts treatment outcome with standardized pharmacotherapy for depression. *Biological Psychiatry*, 71(8), 244S-244S.
- 70 Condray, R., **Siegle, G.J.**, Keshavan, M., Steinhauer, S. (2012). Effects of word frequency on semantic memory in schizophrenia: electrophysiological evidence for a deficit in linguistic access

(vol 75, pg 141, 2010). *International Journal Of Psychophysiology*, 67(9) 62S-62S.

- 71 Burkhouse, K., Gibb, B., **Siegle, G.J.**, McGeary, J. (2012). Pupillary reactivity to emotional stimuli in children: the role of maternal depression and aggregate genetic influence. *Psychophysiology*, 49, S70-S70.
- 72 Belleau, E., Larson, C., Jakubowski, E., **Siegle, G.J.** (2012). Working memory capacity influences the effectiveness of reappraisal emotion regulation strategies. *Psychophysiology*, 49, S48-S48.
- 73 Szigethy, E., Jones, N., Kirshner, M., Newara, M., Youk, A., Keljo, D., Marsland, A., Young, E., **Siegle, G.J.** (2013). Can humans cognitively conquer the brain effects of inflammatory bowel disease?. *Psychosomatic Medicine*, 75(3), A76-A76.
- 74 **Siegle, G.J.**, Friedman, E. (2013). So many paths that wind and wind: multiple lawful patterns of neural change in cognitive therapy for depression. *Biological Psychiatry*, 51 S78-S78.
- 75 **Siegle, G.J.**, Bird, W. (2013). Mobile high affect single subject eeg: from calibration to public database. *Psychophysiology*, 50, S16-S16.
- 76 Gibb, B., Burkhouse, K., Hastings, P., **Siegle, G.J.** (2013). Synchronization of neural activity during parent-child interactions. *Psychophysiology*, 50, S17-S17.
- 77 Buckalew, N., **Siegle, G.J.** (2013). Eeg of everyday yoga: feasibility of assessing objective measures of the subjective experience of yoga. *Psychophysiology*, 50, S17-S17.
- 78 Kraynak, T., **Siegle, G.J.**, Srinath, A., Keljo, D., Jones, N., Regueiro, M., Szigethy, E. (2014). Pain-associated periaqueductal gray resting state functional connectivity in pediatric inflammatory bowel disease. *Gastroenterology*, 146(5), S157-S157.
- 79 Stone, L., Jones, N., Silk, J., **Siegle, G.J.** (2014). Rumination predicts depressed adolescents' pupillary response to peer acceptance and rejection. *Psychophysiology*, 51, S78-S78.
- 80 Minshew, R., D'Andrea, W., **Siegle, G.J.** (2014). Neither here nor there: autonomic activity and prosody in trauma survivors. *Psychophysiology*, 51, S22-S22.
- 81 Kraynak, T., Collier, A., D'Andrea, W., Hooley, J., **Siegle, G.J.** (2014). Childhood trauma is associated with exaggerated neural reactivity to criticism. *Psychophysiology*, 51, S54-S55.
- 82 Gibb, B., Burkhouse, K., Owens, M., Hastings, P., **Siegle, G.J.** (2014). Parent and child depression impact eeg alpha level and alpha synchrony during parent-child interactions. *Psychophysiology*, 51, S4-S4.
- 83 Young, K., **Siegle, G.J.**, Bodurka, J., Drevets, W. (2014). Amygdala activity during autobiographical memory in depressed and vulnerable individuals: fmri evidence and initial intervention with neurofeedback. *Neuropsychopharmacology*, 39, S206-S207.
- 84 Kraynak, T., **Siegle, G.J.**, Hall, M. (2015). Reduced stressor-evoked perigenual anterior cingulate reactivity and functional connectivity in insomnia. *Psychosomatic Medicine*, 77(3), A8-A9.
- 85 Young, K., **Siegle, G.J.**, Phillips, R., Zotev, V., Yuan, H., Misaki, M., Drevets, W., Bodurka, J. (2015). Real-time fmri amygdala neurofeedback improves symptoms and autobiographical memory performance in depressed individuals. *Biological Psychiatry*, 51 S78-S78.
- 86 Price, R., Allen, K., Silk, J., Ryan, N., **Siegle, G.J.** (2015). Neural and behavioral vigilance patterns in the laboratory predict real-world avoidance among anxious youth. *Biological Psychiatry*, 77(9), 20S-21S.
- 87 Prause, N., **Siegle, G.J.**, Deblieck, C., Wu, A., Iacoboni, M. (2015). A role for transcranial magnetic stimulation in enhancing/inhibiting responsiveness to sexual rewards. *Psychophysiology*, 52, S8-S8.
- 88 Price, R., Lane, S., Gates, K., Kraynak, T., Horner, M., Thase, M., & Siegle, G. (2016). Parsing Heterogeneity in the Brain Connectivity of Depressed and Healthy Adults During Positive Mood. *Neuropsychopharmacology*, 41, S308-S308.
- 89 Young, K., Misaki, M., Victor, T., **Siegle, G.J.**, Drevets, W., Bodurka, J. (2016). Real-time fmri amygdala neurofeedback training normalizes the mood-congruent amygdala processing bias in depressed individuals. *Biological Psychiatry*, 79(9), 323S-323S.
- 90 Soehner, A., Goldstein, T., Phillips, M., **Siegle, G.J.**, Franzen, P. (2016). Sleep duration variability predicts altered bold response to a stressful cognitive interference task in adolescents with bipolar disorder. *Biological Psychiatry*, 79(9), 249S-250S.

- 91 Callan, J., Siminerio, L., **Siegle, G.J.**, Sereika, S., Mctigue, K. (2016). Brief cognitive behavioral interventions delivered telephonically by health coaches to improve type 2 diabetes outcomes. *Diabetes*, 65, A214-A214..
- 92 **Siegle, G.J.** (2016). Prefrontal control in depression: fickle friend or begrudged enemy?. *International Journal Of Psychology*, 51, 91-92.
- 93 Schmid, A., D'Andrea, W., **Siegle, G.J.**, DePierro, J. (2016). Negative affect interference and erotic content in survivors of sexual trauma. *Psychophysiology*, 53, S64-S64.
- 94 Khedari, V., Stafford, E., Freed, S., DePierro, J., Doukas, A., Minshew, R., McGreevy, C., **Siegle, G.J.**, D'Andrea, W. (2016). Matters of the heart: childhood trauma exposure and symptoms affect autonomic arousal and health. *Psychophysiology*, 53, S62-S62.
- 95 Soehner, A. M., Siegle, G. J., Franzen, P. L., Hasler, B. P., Hafer, B., Cao, T., & Buysse, D. J. (2017). Differential relationships between categorical versus dimensional measures of insomnia and reward circuitry function. *Sleep*, 40, A107-A107. doi:10.1093/sleepj/zsx050.289
- 96 Rabellino, D., D'Andrea, W., **Siegle, G.J.**, Frewen, P., Minshew, R., Densmore, M., Neufeld, R., Theberge, J., Lanius, R. (2017). Neural correlates of heart rate variability in ptsd during sub- and supraliminal processing of trauma-related cues. *Biological Psychiatry*, 81(10), S149-S149. doi:10.1016/j.biopsych.2017.02.382
- 97 Young, K., **Siegle, G.J.**, Zotev, V., Drevets, W., Bodurka, J. (2017). EEG correlates of real-time fmri neurofeedback amygdala training in depression. *Biological Psychiatry*, 81(10), S379-S379. doi:10.1016/j.biopsych.2017.02.663.
- 98 Rabin, D., **Siegle, G.J.** (2018). Toward emotion prosthetics: emotion regulation through wearable vibroacoustic stimulation. *Biological Psychiatry*, 83(9), S380-S381. doi:10.1016/j.biopsych.2018.02.978.
- 99 Barb, S., Huppert, T., **Siegle, G.J.**, Young, K. (2018). Augmenting cbt with real-time fmri amygdala neurofeedback training increases early response to therapy. *Biological Psychiatry*, 83(9), S188-S188. doi:10.1016/j.biopsych.2018.02.492.
- 100 Tan, P., Bylsma, L., Silk, J., Sharma, V., **Siegle, G.J.**, Forbes, E., McMakin, D., Dahl, R., Ryan, N., Ladouceur, C. (2018). Error-related negativity is associated with altered regulation of daily life negative affect in anxious youth. *Psychophysiology*, 55, S13-S13.
- 101 Patriarca, G., Ricketts, E., Milbert, M., Trubnick, L., Forbes, E., Silk, J., Ladouceur, C., Siegle, G., Ryan, N., Harvey, A., Dahl, R., & McMakin, D. L. (2019). Focal Interview of Sleep (FIOS) for children: Preliminary psychometrics. *Sleep*, 42.
- 102 Prause, N., Siegle, G., & Coan, J. (2019). Couples increase closeness by a genital stroking practice. *Psychophysiology*, 56, S28-S28.
- 103 Soehner, A., Franzen, P., Siegle, G., Hasler, B., Fletcher, M., Hafer, B., Cao, T., Sarah, G., & Buysse, D. (2019). Too Tired to Care: A Combination of Sleepiness and Poor Sleep Continuity Attenuate Reward-Related Brain Activation. *Biological Psychiatry*, 85(10), S291-S291. doi:10.1016/j.biopsych.2019.03.737

Presentations

- 1 **Siegle, G. J.**, & Gunn, G., (1986) *Mathematical analysis of collective motion*. Presentation at the Connecticut Junior Science and Humanities Symposium.
- 2 Dean, T., & **Siegle, G. J.**, (1990) *An Approach to Reasoning About Continuous Change for Applications in Planning*, Proceedings of the Eighth National Conference on Artificial Intelligence, Cambridge, MA. AAAI 1990: 132-137
- 3 Elliot, C. & **Siegle, G.** (1993). Emotion Intensity Factors in Simulated "Believable Agents". In WAUME '93: *Workshop on Architectures Underlying Motivation and Emotion* . Birmingham, UK: The University of Birmingham.
- 4 Elliott, C., and **Siegle, G. J.** (1993). *Variables influencing the intensity of simulated affective states*. In AAAI technical report for the Spring Symposium on Reasoning about Mental States: Formal Theories and Applications, 58-67. Stanford University, Palo Alto, CA.

- 5 **Siegle, G. J.** (1993). *The CLIM Prototyping Environment*. Presentation at the meeting of INTERCHI: Amsterdam. INTERCHI Adjunct Proceedings 1993: 39-40, 1990
- 6 **Siegle, G. J.**, Harrow, M., Sands, J., Miller, A., & Jobe, T., (1993). *Does stimulus difficulty play a role in thought pathology? Schizophrenics vs. Depressives*. Presentation at the meeting of the Society for Research in Psychopathology, Chicago, IL.
- 7 **Siegle, G. J.** (1994). Integration of self as a modulator for depressive rumination. In M. Dombek (Chair), *Self structure and vulnerability to psychopathology*, Presentation at the meeting of the Rocky Mountain Psychological Association, Las Vegas.
- 8 Matt, G. E., Shadish, W., Navarro, A., & **Siegle, G. J.**, (1994). *The effects of psychotherapy conducted under clinically representative conditions*. Presentation at the meeting of the American Psychological Association, Los Angeles, CA.
- 9 Matt, G. E., Shadish, W., Navarro, A., & **Siegle, G. J.** (1994). *Generalizing from the research lab to clinical practice: A reanalysis of psychotherapy meta-analyses*. Presentation at the meeting Evaluation '94.
- 10 Matt, G. E., Chartier, L., McKellar, J., & **Siegle, G. J.**, (1994). *Self-reports as fuzzy sets: Arguments, implications, and examples*. Presentation at the meeting of the American Psychological Association. Los Angeles, CA.
- 11 Matt, G. E., **Siegle, G. J.**, Chartier, L., & Le, V. (1994). *Improving self-reports of health related behaviors: A fuzzy set model*. Presentation at the meeting of the Society for Behavioral Medicine, San Diego, CA.
- 12 **Siegle, G. J.** (1994) A Connectionist Model of Recall in Depression. In **G. Siegle** & R. Ingram (Chairs), *Connectionist Models of Negative Affect*. Panel discussion conducted at the meeting of the Association for the Advancement of Behavior Therapy, San Diego.
- 13 Le, V., Takarae, Y., Matt, G. E., & **Siegle, G. J.**, (1995). *People's conceptions of self-reports. A fuzzy set model*. Presentation at the meeting of the Western Psychological Association.
- 14 **Siegle, G. J.**, Ingram, R. E., Matt, G. E., Shibley, M., Gyll, S., & Flaherty, M. (1995). *Rumination on valence in depression: Understanding the lexical decision task*. Presentation at the meeting of the American Psychological Association, New York, NY.
- 15 **Siegle, G. J.**, Ingram, R. E., & Matt, G. E., (1995). *A neural network model of information processing biases in depression*. Presentation at the workshop Neural Modeling of Cognitive and Brain Disorders. College Park, Maryland.
- 16 **Siegle, G. J.**, Ingram, R. E., & Jeffers, M. (1995). *Information processing differences in depression and anxiety*. Presentation at the meeting of the Association for the Advancement of Behavior Therapy, Washington, D. C.
- 17 Ingram, R. E., Malcarne, V. L., Chavira, D., **Siegle, G. J.**, & Velasquez, R. (1995). Depression, anxiety, and ethnic identity/acclulturation. In D. Hope (Chair), *New perspectives on depression and anxiety*. Symposium presented at the meeting of the Association for the Advancement of Behavior Therapy, Washington, D. C.
- 18 Eftehkari, A., **Siegle, G. J.**, & Ingram, R. (1996). *Nonparticipation and nonattendance to psychology experiments*. Poster session presented at the meeting of the Rocky Mountain Psychological Association, Park City, Utah.
- 19 Bailey, K., **Siegle, G. J.**, & Ingram, R. (1996). *Attachment style: A vulnerability factor for depression?* Presentation at the meeting of the Rocky Mountain Psychological Association, Park City, Utah.
- 20 Hinkin, C. H., Castellon, S. A., Wood, S., Granholm, E. L., & **Siegle, G.** (1996). *Computerized and traditional stroop task dysfunction in HIV-1 Infection*. Presentation at the meeting of the International Neuropsychological Society.
- 21 Ritter, J., **Siegle, G. J.**, & Ingram, R. (1997). *Relationship of early parental bonding to depressive and anxious symptomatology*. Presentation at the meeting of the Western Psychological Association, Seattle, WA.
- 22 Frydach, C. J., Garcia, M., **Siegle, G. J.**, & Matt, G. E. (1997). *Comparing traditional and fuzzy*

- retrospective self-reports of health behaviors*. Presentation at the Meeting of the Western Psychological Association, Seattle, WA.
- 23 Ingram, R.E., Bailey, K., **Siegle, G. J.**, Huston, P. (1997). *Development of a measure of past depressive symptoms and impairment*. Presentation at the meeting of the Western Psychological Association. Seattle, WA.
- 24 Ingram, R. E., Bailey, K., **Siegle, G. J.** (1997). *Depressotypic information processing in individuals with disrupted parental attachment*. Presentation at the meeting of the American Psychological Association. Chicago, IL.
- 25 Liu, P. J., Eftekhari, A., Malcarne, V., **Siegle, G. J.**, Chavira, D. (1997). *Perceptions of parental bonding: Ethnic differences and relationship to depression*. Presentation at the meeting of the American Psychological Association. Chicago, IL.
- 26 **Siegle, G. J.** & Gray, J., Ingram, R.E. (1997). *Relationships of binging and purging to depressive and anxious symptomatology*. Presentation at the meeting of the American Psychological Association. Chicago, IL.
- 27 **Siegle, G. J.** & Sarkin, A. (1997). *Identifying latent positive and negative schizotypal taxons using depressive symptomatology*. Presentation at the meeting of the American Psychological Association. Chicago, IL.
- 28 Felsch, J., Turingan, M., Garcia, M., Primicias, W., **Siegle, G. J.**, & Matt, G. E. (1997). *Comparing traditional and fuzzy retrospective self-reports of fitness behaviors*. Presentation at American Evaluation Association, San Diego, CA.
- 29 **Siegle, G. J.** & Ingram, R. (1997). *A neural network model of inability to process emotional information in depression*. Presentation at the meeting of the Society for Research in Psychopathology. Palm Springs, CA.
- 30 Williams, G., Conner, J., **Siegle, G. J.**, Ingram, R., & Cole, D. (1998). *Is more negative less positive? Relating dysphoria to emotion ratings*. Presentation at the meeting of the Western Psychological Association, Albuquerque, New Mexico. Available web: www.sci.sdsu.edu/CAL/greg/wpa98/
- 31 Ritter, J., **Siegle, G. J.**, & Ingram, R. (1998). *Parental Bonding and Unique and Shared Aspects of Affective Symptomatology*. Presentation at the meeting of the American Psychological Association, San Francisco, CA.
- 32 **Siegle, G. J.**, Ingram, R., Granholm, E., & Matt, G. (1998). Modeling the time course of attention to negative information in depression. In G. Matthews (Chair), *Cognitive science perspectives on personality and emotion..* Presentation at the 9th European Conference on Personality, Surrey, England.
- 33 **Siegle, G. J.**, Sagrati, S., Crawford, C. (1999). Effects of rumination and initial severity on response to cognitive therapy for depression. Meeting of the Association for the Advancement of Behavior Therapy. Toronto, ON.
- 34 Sagrati, S., **Siegle, G. J.**, Crawford, C. (1999). Rumination and recovery from depression. Meeting of the American Psychological Association. Phoenix, AZ.
- 35 **Siegle, G. J.** (1999). *Attention to negative information in depression: An increasingly complex story*. Presentation at the meeting of the Society for Chaos Theory in Psychology, Berkeley, CA.
- 36 **Siegle, G. J.**, Moore, P., Hendrickson, R., Ganguli, R., Carter, C.S., (2000). *Cingulate activity associated with multiple types of emotional processing*. Presentation at the meeting of the Society for Neuroscience, New Orleans, LA.
- 37 Steinhauer, S.R., Condray, R. Kasperek, A., **Siegle, G. J.** (2000). *Pharmacological dissociation of autonomic pathways contributing to pupillary dilation following motor activity*. Presentation at the meeting of the Society for Psychophysiological Research, San Diego, CA.
- 38 **Siegle, G. J.**, Steinhauer, S.R., Carter, C. S., Thase, M.E. (2000). Pupillary, reaction time, and fMRI assessment of attention to emotional information in depression. In S. Steinhauer & E. Granholm (Co-chairs). *In the mind's eye: A view through the pupil at cognition in psychopathology*. Symposium at the meeting of the Society for Psychophysiological Research, San Diego, CA.

- 39 **Siegle, G. J.** & Steinhauer, S. R. (2000). *Pupillary and reaction-time assessment of interference of emotional and non-emotional information on subsequent processing*. Presentation at the meeting of the Society for Psychophysiological Research, San Diego, CA.
- 40 **Siegle, G. J.**, Steinhauer, S.R., Carter, C. S., Thase, M.E. (2000). Convergence and divergence in measures of rumination. In **G. Siegle** and C. Papageorgiou (Chairs), *Depressive rumination: Nature and Consequences*. Meeting of the Association for the Advancement of Behavior Therapy, New Orleans, LA. Available web: kraepelin.wpic.pitt.edu/~siegle/gregweb/aabt00
- 41 **Siegle, G.J.** (2001). *Convergence and divergence in measures of rumination*. WPIC Research Day, June, Pittsburgh.
- 42 **Siegle, G. J.**, Steinhauer, S.R., Carter, C. S., Thase, M.E. (2001). Pupillary and fMRI correlates of depressive rumination. In C. Papageorgiou (Chair). *Rumination and Depression*. World Congress of Behavior Therapy, Vancouver, BC.
- 43 Steinhauer, S.R., Kasperek, A., Condray, R., & **Siegle, G.J.** (2001). Dilation of the pupil via sympathetic and parasympathetic pathways during a continuous processing task. 24th *International Pupil Colloquium*, Assilomar, CA. <http://www.jiscmail.ac.uk/files/PUPIL/ca.htm>.
- 44 **Siegle, G. J.**, Steinhauer, S.R., Thase, M.E., Carter, C. S., (2001). Can't shake that feeling: Pupillary and fMRI assessment of sustained processing in response to emotional information in depressed individuals. 24th *International Pupil Colloquium*, Assilomar, CA. <http://www.jiscmail.ac.uk/files/PUPIL/ca.htm>.
- 45 Steinhauer, S.R., Kasperek, A., Condray, R., **Siegle, G.J.** (2001). *Pathways contributing to pupillary dilation during sustained processing*. Meeting of the Society for Psychophysiological Research. Montreal, Canada. *Psychophysiology*, 3: S91.
- 46 **Siegle, G. J.**, Steinhauer, S.R., Thase, M.E., Carter, C. S., (2001). *Sustained amygdala activity in response to negative information in depressed individuals*. In **G. Siegle**, (Chair) Sustained processing of affective information in individuals with features of depression and anxiety. Meeting of the Society for Psychophysiological Research. Montreal, Canada. *Psychophysiology*, 3: S9.
- 47 Lowry, T.P., May, J.C., **Siegle, G.J.**, Stenger, V.A., Drevets, W.C., Rogers, R.D., Becker, J.T., Carter, C.S. (2001). Reward-contingent decision-making elicits activation of orbitofrontal cortex and striatum. Meeting of the Society for Neuroscience, San Diego, CA.
- 48 **Siegle, G. J.**, Konecky, R. O., Steinhauer, S.R., Thase, M.E., Carter, C. S. (2002). *Relationships between amygdala activity and volume during emotional information processing in depressed and never-depressed individuals: An fMRI investigation*, Presentation at the meeting: The Amygdala in Brain Function: Basic and Clinical Approaches, Galveston Texas.
- 49 **Siegle, G.J.**, Konecky, R.O., Steinhauer, S.R., Thase, M.E., Carter, C. S. (2002). *Relationships between amygdala activity and volume during emotional information processing in depressed and never-depressed individuals*. WPIC Research Day, June, Pittsburgh.
- 50 **Siegle, G.J.**, Moore, P., Steinhauer, S. R., Thase, M.E., Henderson, R., Carter, C.S. (2002). Rumination and the Brain: fMRI correlates of self-reported rumination in individuals with depression, anxiety, and Systemic Lupus Erythematosus, In N. Christenfeld (Chair). Rumination, forgiveness, and the impact of thoughts on health. Meeting of the Society of Behavioral Medicine, Washington, D.C. *Annals of Behavioral Medicine*, 24, S194.
- 51 Condray, R., Steinhauer, S.R., Cohen, J.D., van Kammen, D.P., **Siegle, G. J.**, Kasperek, A. (2002). Automatic activation in schizophrenia: N400 elicited by short ISIs. Meeting of the Society of Biological Psychiatry, Philadelphia, PA. *Biological Psychiatry*, 51, 112S.
- 52 Steinhauer, S.R., **Siegle, G.J.**, Condray, R., Carter, C.C., and Thase, M.E. (2002). Pupillary dilation, cognition, and psychiatric disorder: Insights to brain function. In E. Granholm (Chair). *Pupillometry and Cognition in Schizophrenia and Depression*. Symposium at the 11th World Congress of Psychophysiology. Montreal. *International Journal of Psychophysiology*, 45, 43.
- 53 Condray, R., Steinhauer, S.R., **Siegle, G.J.** (2002). The time course of word frequency and semantic context effects during incidental priming: An ERP study. Presentation at the meeting of the Society for Psychophysiological Research. Washington, D.C.. *Psychophysiology*, 39, S13.

- 54 **Siegle, G.J.**, Steinhauer, S.R., Carter, C.C., Konecky, R.O., and Thase, M.E. (2002). Who's on last? Pupil dilation and fMRI assessment of inhibition between cognitive and emotional processing in depressed and healthy individuals. Presentation at the meeting of the Society for Psychophysiological Research. Washington, D.C. *Psychophysiology*, 39, S76.
- 55 **Siegle, G.J.**, Steinhauer, S.R., Carter, C.C., and Thase, M.E. (2002). *Do the seconds turn into hours? Relationships between sustained physiological processing of emotional information, rumination, and worry in depressed and never-depressed individuals.* In G. Feldman and D. Fresco (Chairs), *Worry and Rumination: Common Features, Distinctions, and Alternatives.* Meeting of the Association for the Advancement of Behavior Therapy. Reno, NV.
- 56 **Siegle, G.J.**, Steinhauer, S.R., Konecky, R., Thase, M.E., Carter, C. S. (2003). *Depressive rumination: Effortful or automatic? An fMRI study.* Meeting of the Cognitive Neuroscience Society, April, New York, NY.
- 57 **Siegle, G.J.**, Steinhauer, S.R., Condray, R., Thase, M.E., Carter, C. S. (2003). *Depressive rumination: Effortful or automatic?* WPIC Research Day, June, Pittsburgh.
- 58 **Siegle, G.J.**, Steinhauer, S.R., Konecky, R., Thase, M.E., Carter, C. S. (2003). *Use of concurrent pupil dilation and fMRI assessment to understand working memory impairment in depression.* Meeting of the Organization for Human Brain Mapping, June, New York.
- 59 Steinhauer, S. R., **Siegle, G.J.**, Condray, R. (2003). *Cognitive and motor inhibition of the pupillary light reaction in schizophrenia and alcohol use disorders: Evidence for effortful processing in the parasympathetic pathway.* 25th International Pupil Colloquium, September, Chania, Crete.
- 60 **Siegle, G.J.**, Steinhauer, S.R., Thase, M.E., Carter, C. S. (2003). *Concurrent pupil dilation and fMRI assessment: Applications to understanding information processing in healthy and depressed individuals.* 25th International Pupil Colloquium, September, Chania, Crete.
- 61 Steinhauer, S.R., Condray, R., **Siegle, G.J.**, Magee, K., Yanuzo, A., Zelkowski, K. (2003). They Try Harder: Pupillometric Indicators of Effortful Processing in Schizophrenia. Meeting of the Society for Research in Psychopathology, October, Toronto, ON, Canada.
- 62 Steinhauer, S.R., Condray, R., **Siegle, G.J.** (2003). *Psychophysiological Evidence for Timing Dysfunction in Schizophrenia and Depression.* Meeting of the Society for Research in Psychopathology, October, Toronto, ON, Canada.
- 63 Gianaros, P.J., **Siegle, G.J.**, May C.J., Jennings, J.R. (2003). *Exaggerated cardiovascular reactivity to stress relates to hyperactivation of the anterior cingulate cortex in humans.* Meeting of the Society for Psychophysiological Research. November, Chicago, IL.
- 64 **Siegle, G.J.**, Larson, C., Farace, L. Aizenstein, H., Smith, B., Thase, M.E. (2003). *Differences in pupil dilation associated with emotion regulation in depressed and never-depressed individuals.* Meeting of the Society for Psychophysiological Research. November, Chicago, IL. *Psychophysiology*, 40, S42.
- 65 **Siegle, G.J.**, Steinhauer, S.R., Carter, C.S., Thase, M.E. (2003). *Sustained Processing on the Stroop Task in Depression.* Meeting of the Society for Psychophysiological Research. November, Chicago, IL. *Psychophysiology*, 40, S79.
- 66 Konecky, R.O., Carter, C.S., Thase, M.E., **Siegle, G.J.** (2003). *Relationships between amygdala activity and volume in depressed and never depressed individuals.* Meeting of the Society for Neuroscience, November, New Orleans, LA.
- 67 Steinhauer, S.R., **Siegle, G.J.**, Condray, R. Disruption of the temporal course of central inhibition in schizophrenia as reflected by the pupillomotor system. Meeting of the Society of Biological Psychiatry. April. *Biological Psychiatry*, 55, 225S 801 Suppl.
- 68 **Siegle, G.J.**, Steinhauer, S.R., Condray, R., Carter, C.S., Thase, M.E., (2004). *Rumination in depression: Controlled or Automatic?* In C. Papageorgiou and A. Wells (Chairs). "Rumination in Depression: Nature and Consequences." Meeting of the British Psychological Society, April, London, England.
- 69 Lee, K.H., **Siegle, G.J.** (2004). More than just a pretty face? Subjective emotionality and physiological reactivity to faces and faces augmented by context. Meeting of the Cognitive

neuroscience Society, April, San Francisco, CA.

- 70 **Siegle, G.J.**, Condray, R., Steinhauer, S.R., Penkrot, V., Thase, M.E. (2004). *Sustained gamma-band EEG activity in response to emotional information in depression and schizophrenia*. Meeting of the Cognitive Neuroscience Society, April, San Francisco, CA.
- 71 Larson, C. L., **Siegle, G. J.**, Burghy, C. A., Anderle, M. J., & Davidson, R. J. (2004). Computational Modeling of the Time Course of the Amygdalar BOLD Response in Specific Phobia. Meeting of the Organization for Human Brain Mapping, July, Budapest.
- 72 Haggerty, A.E., Muelly, E. R., Konecky, R.O., Dahl, R.E., Thase, M.E., Aizenstein, H.A., **Siegle, G.J.** (2004). Amygdala volume in children and adults with unipolar depression. Meeting of the Society for Neuroscience, October, San Diego.
- 73 Ravizza, S.M., **Siegle, G.J.**, Delgado, M.R., Fiez, J.A. (2004). Cross-talk functions of the dorsal caudate. Meeting of the Society for Neuroscience, October, San Diego.
- 74 Silk, J.S., **Siegle, G. J.**, Dahl, R.E., Jakubcak, J.L. (2004). Pupil dilation to emotional words in pediatric affective disorder. Meeting of the Society for Psychophysiological Research. October, Sante Fe. *Psychophysiology*, 41 S84
- 75 **Siegle, G. J.**, Silk, J., Steinhauer, S.R., Dahl, R. E., Carter, C. S., Thase, M.E. (2004). Sustained pupil dilation to emotional information in depression: Developmental and mechanistic considerations. In S. Steinhauer (Chair) Pupil Dilation, Psychopathology, and Development. Meeting of the Society for Psychophysiological Research. October, Sante Fe. *Psychophysiology*, 41 S9.
- 76 Steinhauer, S.R., Condray, R., **Siegle, G.J.**, Gurckles, J. A. (2005). Cognitive Inhibition of the Pupillary Light Reaction in Schizophrenia and Alcoholism: Physiological Evidence for Effortful Processing. Presentation at the International Congress for Schizophrenia Research, April, Savannah, GA. *Schizophrenia Bulletin*, 31(2), 378.
- 77 Lee, K. H., **Siegle, G. J.** (2005). Different neural networks underlying emotional processing with emotional faces and faces augmented by context. Presentation at the meeting of the Cognitive Neuroscience Society. April, New York City.
- 78 **Siegle, G.J.**, Thomson, W., Carter, C. S., Thase, M.E. (2005). Depression involves increased amygdala and decreased prefrontal activity. Both predict recovery. Presentation at the meeting of the Cognitive Neuroscience Society. April, New York City.
- 79 **Siegle, G.J.**, Hariri, A., Thase, M.E. (2005). Sustained emotional reactivity in unipolar depression: From cognitive neuroscience to genetics. In Phillips, M. (Chair). *Examining Genetic Influences upon Frontal and Sensory Cortico-Limbic Connectivity in Mood-Disordered Individuals: Can We Determine Distinct Neuroendophenotypes?* Symposium at the meeting of the Society for Biological Psychiatry, May, Atlanta. *Biological Psychiatry*, 57, 143S-144S. Suppl.
- 80 Chew, M.L., Steinhauer, S. R., **Siegle, G. J.**, Bies, R. R., Pollock, B. G. (2005). Does the pupillary response to anticholinergic drugs correspond to serum anticholinergic activity? A hypothesis and proposed experiment. Presentation at the 26th International Pupil Colloquium, August, Bear Mountain, New York.
- 81 Franzen, P.I., Buyse, D. J., Duryea, D.N., **Siegle, G.J.** (2005). Pupillography and the assessment of neurobehavioural consequences of sleep deprivation. Presentation at the 26th International Pupil Colloquium, August, Bear Mountain, New York.
- 82 Steinhauer, S.R., **Siegle, G.J.**, Condray, R., Barnett, B.E., Gurklis, J.A. (2005). Pupil dilation during a sustained processing task implicates intact effortful processing in schizophrenia. Presentation at the 26th International Pupil Colloquium, August, Bear Mountain, New York.
- 83 Silk, J.S., **Siegle, G.J.**, Dahl, R.E. (2005). Pupil dilation as a measure of emotional processing in child and adolescent depression. Presentation at the 26th International Pupil Colloquium, August, Bear Mountain, New York.
- 84 **Siegle, G. J.**, Steinhauer, S. R., Thase, M.E. (2005). Using pupil dilation and fMRI of emotional information processing to predict recovery in cognitive behaviour therapy (CBT) for depression. Presentation at the 26th International Pupil Colloquium, August, Bear Mountain, New York.

- 85 **Siegle, G. J.** (2005). *Discussant*. In L. Onken and D. Shurtleff (Chairs) NIDA symposium “Neurobiological Aspects of Drug Addiction: Implications for Treatment”, Meeting of the American Psychological Association, August, Washington, D.C.
- 86 Condray, R., Steinhauer, S. R., **Siegle, G. J.** (2005). Semantic memory in schizophrenia. Presentation at the meeting of the Society for Psychophysiological Research, September, Lisbon, Portugal.
- 87 **Siegle, G.J.**, Muelly, E., Haggerty, A., Ghinassi, F., Thase, M.E. (2005). From brain activity to intervention: Initial data from an automated cognitive control training intervention for severe depression. In W. Ramel and J. Joorman (Chairs). Mood disorders and vulnerability: Linking cognitive, affective, and neurobiological perspectives through fMRI. Symposium at the Association for the Advancement of Behavior Therapy, November, Washington, D.C.
- 88 **Siegle, G.J.**, Steinhauer, S., Carter, C.S., Thase, M.E. (2006). Neural correlates of cardiac reactivity during emotional information processing in unipolar depression: A tale of 3 cingulates. In P. Gianaros (Chair). Neuroimaging of autonomic-cardiac reactivity in health and disease. Symposium at the meeting of the American Psychosomatic Society, March. Denver, CO.
- 89 Silk, J. S., **Siegle, G. J.**, Dahl, R. E. (2006). Pupil Dilation as a Measure of Emotional Processing in Child and Adolescent Depression. Meeting of the Society for Research on Adolescence, San Francisco, April.
- 90 **Siegle, G. J.**, Gotlib, I. H., Whalen, P. J., Lee, K. H., Thase, M. E. (2006). A little emotion goes a long way: Increased amygdala responses to momentary emotional stimuli but blunted responses to repeated stimuli in unipolar depression. Meeting of the Society of Biological Psychiatry, Toronto, May. *Biological Psychiatry*, 59, 9S 26 Suppl.
- 91 **Siegle, G.J.**, Schneider, W.S., McHugo, M., Gemmer, L., Jones, D. Fissell, K. (2006). Inferring Experience Based Cognition from fMRI. RESULTS! In W. Schneider and G. Siegle, Pittsburgh Brain Activity Interpretation Competition. Workshop at the Organization for Human Brain Mapping, Florence, Italy, June.
- 92 Fincham, J. & **Siegle, G.J.** (2006). Modeling mechanisms that differentiate healthy and depressed individuals: The Paced auditory serial attention task. 13th Annual ACT-R Workshop. Pittsburgh, July.
- 93 Steinhauer, S.R., **Siegle, G.J.**, Condray, R., Gurklis, J. (2006). Pupil dilation during sustained processing: An indicator of intact effortful processing in schizophrenia. Meeting of the world congress of psychophysiology. Istanbul, August.
- 94 Condray, R., Steinhauer, S. R., **Siegle, G.J.** (2006). The construction of linguistic meaning in schizophrenia, Meeting of the EEG and Clinical Neuroscience Society, Boston, September.
- 95 Tamburo, R., **Siegle, G.**, Stetten, G., Cois, C.A., Reynolds, C., Aizenstein H. (2006). Amygdala Shape Morphometry in Late-Life Depression. Celebrating Research on Aging: Building Collaborations for the Future, Pittsburgh, October.
- 96 Tamburo, R., **Siegle, G.**, Stetten, G., Cois, C.A., Reynolds, C., Aizenstein H. (2006). Amygdala Shape Morphometry in Late-Life Depression. Science 2006, Pittsburgh, October.
- 97 Steidtmann, D., Ingram, R.E., & **Siegle, G.** (2006). Pupillary Assessment of Negative Information in Depression Vulnerability. Meeting of the Society for Research in Psychopathology, San Diego, October.
- 98 Ichikawa, N., **Siegle, G.J.**, Nomura, M., Idaka, T., Ohira, H. (2006). Effects of emotional and nonemotional error feedback on brain and cardiac reactivity. Meeting of the Society for Psychophysiological Research, Vancouver, BC., October ,
- 99 **Siegle, G.J.**, Steinhauer, S. R., Thase, M.E. (2006). fMRI correlates of prolonged psychophysiological activity to emotional information. In T. Johnstone (Chair). Peripheral psychophysiology in brain imaging: From maps to function. Meeting of the Society for Psychophysiological Research, Vancouver, BC, October.
- 100 Lee, K.H., Schneider, W. S., Mchugo, M., **Siegle, G.J.** (2007). fMRI correlates of emotional appraisal. Meeting of the Cognitive Neuroscience Society, New York, May.

- 101 Horner, M., Thase, M.E., **Siegle, G. J.** (2007). Functional brain correlates of dynamic mood changes in depression: Is getting there the same as being there? Meeting of the Society of Biological Psychiatry, May, San Diego, CA.
- 102 **Siegle, G. J.**, Silk, J.S., Dahl, R.E., Ryan, N., Birmaher, B., Axelson, D., Hariri, A. R. (2007). Subgenual cingulate activity is linked to problems in emotion regulation in the daily lives of adolescents with depression and anxiety. Meeting of the Society of Biological Psychiatry, May, San Diego, CA.
- 103 Schneider, W., Yothers, T., Brauch, K., Gemmer, L., Fissell, K., McHugo, M., **Siegle, G. J.** (2007). Dynamic VR exploration based fMRI with automatic visual object coding and brain activity mapping. Presentation at the meeting of the Organization for Human Brain Mapping, Chicago, IL, June.
- 104 Horner, M.S., Aizenstein, H. J., Thase, M. E., **Siegle, G. J.** (2007). Functional brain correlates of dynamic mood changes in depression: On the path to happiness. Presentation at the meeting of the Organization for Human Brain Mapping, Chicago, IL, June.
- 105 Lee, K. H., Schneider, W., McHugo, M., Goldin, P., **Siegle, G.J.** (2007). The neural structures associated with emotional valence and arousal induced by emotional movies. Presentation at the meeting of the Organization for Human Brain Mapping, Chicago, IL, June.
- 106 Ichikawa, N., Kamishima, K., Thompson, W., Gross, J.J., **Siegle, G. J.** (2007). Brain correlates of cognitive and emotional reactivity to errors. Presentation at the meeting of the Organization for Human Brain Mapping, Chicago, IL, June.
- 107 **Siegle, G.J.**, Schneider, W.S., McHugo, M., Thomas, M., Koerbel, L., Gemmer, L., Fissell, K., Pathak, S., Jones, D. (2007). Inferring Experience Based Cognition from Virtual Reality fMRI. RESULTS! In G. Siegle and W. Schneider, Pittsburgh Brain Activity Interpretation Competition. Workshop at the meeting of the Organization for Human Brain Mapping, Chicago, IL, June.
- 108 Brewer, L., Quirk, S., VanOchten, C., **Siegle, G. J.** (2007). Emotional Reactivity and Social Oddness in Schizotypal Individuals. Meeting of the Society for Physiological Research, October, Atlanta.
- 109 Szigethy, E., **Siegle, G.J.**, Silk, J. S., Hardy, D., Blazin, L., Frazer, L., Dahl, R E (2007). Neurobiological effects of steroids in youth with inflammatory bowel disease. Meeting of the American Academy of Child and Adolescent Psychiatry (AACAP), Boston, October.
- 110 **Siegle, G.J.**, Ichikawa, N., Steinhauer, S. (2007). Blink before and after you think: Blinks occur prior to and following cognitive load indexed by pupillary responses. Presentation at the 27th Annual Pupil Colloquium. October, Hamamatsu, Japan.
- 111 **Siegle, G.J.**, Jones, N., Franzen, P., Thase, M.E. (2007). Quantifying dynamic variation in pupil diameter: Examples in healthy, sleep deprived, and depressed individuals. Presentation at the 27th Annual Pupil Colloquium. October, Hamamatsu, Japan.
- 112 **Siegle, G.J.**, Jones, N., Franzen, P., Fincham, J., Muelly, E., Haggerty, A., Ghinassi, F., Thase, M.E. (2007). Mechanisms of change in an automated adjunctive cognitive control training intervention for severe depression: Changes in physiological reactivity during the intervention. In Dekersbach, T. & Mohlmnan, J. *Neurocognitive therapies: Novel approaches to treating psychiatric disorders*. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, Philadelphia, PA.
- 113 **Siegle, G.J.**, Thompson, W., Horner, M.S., Carter, C.S., Thase, M.E. (2007). Neural mechanisms of executive control in unipolar depression: Relationships to emotional reactivity and recovery in Cognitive Behavior Therapy. In A. Weissman, *Executive function: From basic research to clinical practice*. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, Philadelphia, PA.
- 114 Silk, J. S., **Siegle, G. J.**, & Dahl, R. E., Ryan, N. D., Forbes, E. E., Fisher, P. M., Williamson, D. E., Birmaher, B., Axelson, D. A., & Hariri, A. R. (2008). From scanners to cell-phones: fMRI brain activity is linked to ecological momentary assessment of emotion in adolescent daily life. Paper presented at the Biannual Meeting of the Society for Research in Adolescence. March, Chicago, IL.

- 115 **Siegle, G.J.**, Thompson, W., Zhou, D., Thase, M. E., (2008). Cognitive therapy of unipolar depression. In **Siegle, G.J.**, Functional connectivity in depression and social phobia: Clinical implications. Workshop at the Society of Biological Psychiatry, April, Washington, D.C.
- 116 Szigethy E.M., **Siegle G.J.**, Silk J, Stocco A, Blazin L, Dahl R.E., (2008). Brain fMRI in Youth with Active IBD and Depression, NIH Pioneer Award Symposium, April, Bethesda, MD.
- 117 **Siegle, G.J.**, Horner, M., Ramel, W., Paul, B. S., Friedman, E. (2008). Assessing dynamic mood variation before, during, and after Cognitive Therapy for Depression. In J. Nitschke. (Chair). Temporal dynamics of neural processes in anxiety and depression. Meeting of the Society for Research in Psychopathology. September, Pittsburgh, PA.
- 118 Jones, N. P., **Siegle, G.J.**, Muelly, E.R., Haggerty, A., Ghinassi, F., Thase, M.E. (2008). Pupillary correlates of rumination during a frustrating serial working memory task in unipolar depression. Meeting of the Society for Psychophysiological Research. September, Austin, TX.
- 119 Zhou, D., Thompson, W.S., **Siegle, G.J.** (2008). Matlab toolbox for functional connectivity. Meeting of the Society for Psychophysiological Research. September, Austin, TX.
- 120 **Siegle, G.J.**, Thompson, W.S., Zhou, D., Jones, N., Steinhauer, S., Friedman, E. (2008). Emotion/cognition interactions: Added clinical utility or just the sum of their parts? In G. Hajcak (Chair). From the chaos of thought and passion: Multiple perspectives on emotion-cognition interactions. Meeting of the Society for Psychophysiological Research. September, Austin, TX.
- 121 **Siegle, G.J.** (2008). "Emotional information processing studies." Invited presentation to the Wellcome Trust meeting *Understanding disorders of the mind through neuroimaging: Developing new paradigms*. September, London, UK.
- 122 Siegle, G.J. (2008). Where our eyes don't go. Presentation at *Bring Your Own Powerpoint*, a community event organized by *Encyclopedia Destructica*, Pittsburgh, November.
- 123 **Siegle, G.J.**, (2008). Discussion. In T. Strauman (Chair). Mechanisms of action in treatments for depression: functional MRI studies of IPT, CT, and pharmacotherapy. Symposium at the meeting of the Association for Behavioral and Cognitive Therapy. November, Orlando, FL.
- 124 **Siegle, G.J.**, (2008). Discussion. In A.K. Roy (Chair) *Changing thoughts, behaviors, and the brain: fMRI approaches to the study of cognitive-behavioral treatments for anxiety disorders*. Symposium at the meeting of the Association for Behavioral and Cognitive Therapy. November, Orlando, FL.
- 125 Borrebach, J., Ryan, P., Haggerty, A., Cesare, M., Blazin, L., Bruder, G., Thompson, W., Thase, M.E., **Siegle, G.J.** (2008). Dichotic listening: Relationships to depression, treatment outcome, and brain function. Presentation at the meeting of the Association for Behavioral and Cognitive Therapy. November, Orlando, FL. **Note:** First place, NeuroCognitive Therapies student poster session.
- 126 Jones, N.P., **Siegle, G.J.**, Muelly, E., Haggerty, A., Ghinassi, F., Thase, M.E. (2008). The effect of rumination and depression on task-focus and performance during executive processing. Presentation at the meeting of the Association for Behavioral and Cognitive Therapy. November, Orlando, FL.
- 127 Callan, J.A., Friedman, E.S., **Siegle, G.J.**, Thase, M.E., Jarrett, R., Minhajuddin, A. (2008). Predictors of acute phase outcomes in the Prophylactic Cognitive Therapy for Recurrent Depression Study. In R. Jarret (Chair). *Cognitive therapy relapse prevention trial (CTRP): Early findings*. Symposium at the meeting of the Association for Behavioral and Cognitive Therapy. November, Orlando, FL.
- 128 **Siegle, G.J.**, Friedman, E.S., Steinhauer, S.R., Carter, C.S., Thase, M.E. (2008). Association of cognitive and neural mechanisms of rumination with response in Cognitive Therapy for recurrent unipolar depression in the Relapse Prevention trial. In R. Jarret (Chair). *Cognitive therapy relapse prevention trial (CTRP): Early findings*. Symposium at the meeting of the Association for Behavioral and Cognitive Therapy. November, Orlando, FL.
- 129 Dombrovski A.Y., Szanto K., **Siegle G.J.**, Clark J. (2009). Suicidal Elderly Discount Future Rewards. Presentation at the meeting of the Society for Biological Psychiatry. May, Vancouver, Canada.
- 130 **Siegle, G.J.**, Friedman, S., Steinhauer, S.R., Thase, M.E., (2009). Prediction of recovery from recurrent unipolar depression in Cognitive Therapy with pupil dilation: Application and brain

- mechanisms. Presentation at the meeting of the Society for Biological Psychiatry. May, Vancouver, Canada.
- 131 Mandell, D., Thase, M.E., **Siegle, G.J.** (2009). Brain mechanisms of depressive rumination. Presentation at the meeting of the Organization for Human Brain Mapping, June, San Francisco.
- 132 Lee, K. H., Schneider, W., McHugo, M., Goldin, P., **Siegle, G.J.** (2009). Emotional valence modulates relationships of amygdala and periaqueductal gray(PAG) activity. Presentation at the meeting of the Organization for Human Brain Mapping, June, San Francisco.
- 133 Polizzoto, N., Zhou, D., Thompson, W., **Siegle, G.J.** (2009). Functional Connectivity Breakdown in Hypnosis: an fMRI “multiple resting-states” study. Presentation at the meeting of the Organization for Human Brain Mapping, June, San Francisco.
- 134 Thompson, W., Barber, A.D., **Siegle, G.J.** (2009). A Bayesian Sparse Vector Autoregressive Model for Resting State Connectivity Analyses. Presentation at the meeting of the Organization for Human Brain Mapping, June, San Francisco.
- 135 Barber, A. D., Thompson, W., Friedman, E., Dahl, R. E., Ryan, N.D., **Siegle, G. J.** (2009). Default network effective connectivity. Developmental differences between adolescents and adults. Presentation at the meeting of the Organization for Human Brain Mapping, June, San Francisco.
- 136 Paul, B. Thase, M.E., **Siegle, G.J.** (2009). Use of fMRI to predict relapse into unipolar depression after Cognitive Therapy. Presentation at the meeting of the Organization for Human Brain Mapping, June, San Francisco.
- 137 Wong, T.S., Schunn, C., **Siegle, G.J.** (2009). Catching the 'Aha!' moments in puzzle problems using pupillometry and blinks analyses. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 138 Steinhauer, S.R., **Siegle, G.J.**, Condray, R. (2009). Working memory and pupillary dilation: Impairments in schizophrenia, depression, and alcohol-related disorders. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 139 Jones, N.P., Stepp, S.D., **Siegle, G.J.**, Pilkonis, P. A. (2009). Features of Borderline Personality Disorder and pupil reactivity while viewing emotional faces. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 140 Jain, S., **Siegle, G.J.**, Studenski, S., Greenamyre, J.T., Steinhauer, S. R. (2009). Sympathetic, parasympathetic and medication effects on pupil reactivity to light in Parkinson disease. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 141 Ichikawa, N., Silk, J.S., Ladouceur, C., Dahl, R.E., Ryan, N.S., **Siegle, G.J.** (2009). Pupil dilation as an index of reactivity to errors in early adolescence. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 142 Franzen, P.L., Durya, D.N., **Siegle, G.J.** (2009). Sleep deprivation increases pupillary reactivity to negative emotional information in healthy young adults. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 143 Collier, A.L., **Siegle, G.J.** (2009). Examining the effects of cognitive task training on dysphoria. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 144 Chakraborty, B.H., **Siegle, G.J.**, Condray, R., Clarke, A.L., Steinhauer, S.R. (2009). Pupillary responses during digit span under light and darkness in psychiatric patients. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 145 Buckalew, N., **Siegle, G.J.**, Haut, M.W., Aizenstein, H., Morrow, L. Subashan, P., Weiner, D. (2009). Is pupillary response an objective bio-marker for disability and brain dysfunction in older adults with chronic low back pain? Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 146 Silk, J. S., Dahl, R.E., Ryan, N.D., **Siegle, G.J.** (2009). Pupil dilation to affective words as a marker of risk for early onset depression. Presentation at the 28th Annual International Pupil Colloquium. August, Pittsburgh, PA.
- 147 **Siegle, G.J.**, Silk, J.S., Joyce, E., Burkhouse, K., Dahl, R.E. (2009). Seeing eye to eye: First examinations of concurrent pupillary reactivity during mother-child interactions. Presentation at the

28th Annual International Pupil Colloquium. August, Pittsburgh, PA.

- 148 Horner, M.S., **Siegle, G.J.**, Silk, J., Szigethy, E. Ichikawa, N., Forbes, E.E., Friedman, E.S., Dahl, R.E., Ryan, N.D. (2009). Assessment of positive affect in depression through the lifespan. Presentation at the *American Academy of Child and Adolescent Psychiatry*, November, Honolulu, Hawaii.
- 149 **Siegle, G.J.** (2009). Differential considerations for CBT in adults and adolescents: Perspectives from affective neuroscience. In Szigethy (Chair). Innovative applications of Cognitive Behavioral Therapy in pediatric populations. Symposium at the *American Academy of Child and Adolescent Psychiatry*, November, Honolulu, Hawaii.
- 150 **Siegle, G.J.**, Horner, M. S., Friedman, E. (2009). Continuous changes in affect following a discrete stimulus: Relationships of multiple behavioral indices to psychophysiology and brain imaging data in healthy and depressed adults". Meeting of the Society for Psychophysiological Research. November, Berlin.
- 151 Mandell, D., **Siegle, G.J.**, Thase, M.E (2009). Depressive rumination and brain mechanisms of self-focus and regulation. In LeMoult, J. (Chair). Emotion dysregulation and rumination in depression: Underlying mechanisms and treatment implications. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, New York.
- 152 **Siegle, G.J.**, Silk, J., Forbes, E., Friedman, E.S., Dahl, R.E., Ryan, N.D. (2009). Functional neuroimaging predictors of treatment response for depression through the lifespan. In Silk, J. Multilevel predictors of treatment response in child Anxiety and depression (Chair) Neural mechanisms of cognitive change. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, New York.
- 153 **Siegle, G.J.**, Friedman, E.S., Paul, B.S., Ramel, W. (2009). A new animal: Brain function post-Cognitive Therapy for depression is unlike never-depressed or depressed adults. In Kober, H. (Chair) Neural mechanisms of cognitive change. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, New York.
- 154 Steinhauer, S.R., **Siegle, G.J.**, Condray, R., Chakraborty, B.H., and Clarke, A.L. (2009). Pupillary dilation indices of working memory dysfunction reflect greater impairment for schizophrenia than for depression or alcohol use disorders. American College of Neuropsychopharmacology, December, Hollywood, Fl.
- 155 (of psychopathology): Brilliant past, neglected present, hopeful future. Presentation at the Office of Behavioral and Social Sciences meeting *Applying Complex Systems Approaches to the Processes of Behavior Change -A First Conversation*, Ann Arbor, January.
- 156 **Siegle, G.J.**, (2010) Perspectives on behavior change from computational neural networks
- 157 Mandell, D., **Siegle, G.J.**, Ichikawa, N., Ladouceur, C., Silk, J., Dahl, R.E., Ryan, N. (2010). Somatic awareness in anxious youth: Relating self-reported symptoms to neural mechanisms of threat processing. *Wisconsin Symposium on Emotion*, April, Madison.
- 158 Paul, B., Thase, M.E., **Siegle, G.J.** (2010). Neural predictors of depressive relapse following Cognitive Therapy. Presentation at the meeting of the Society for Biological Psychiatry. New Orleans, May.
- 159 Dombrovski, A.Y., Szanto, K., Clark, L., Reynolds, C.F., **Siegle, G.J.** (2010). Older suicide attempters fail to represent choice consequences: Computational model-based fMRI study. Presentation at the meeting of the Society for Biological Psychiatry. New Orleans, May.
- 160 Clark, L., Dombrovski, A. Y., **Siegle, G.J.**, Butters, M.A., Shollenberger, C. L., Sahakian, B. J., Szanto, K. (2010). Older suicide attempters bet on unlikely gambles. Presentation at the meeting of the Society for Biological Psychiatry. New Orleans, May.
- 161 **Siegle, G.J.**, Friedman, E., Thase, M.E. (2010). Initial exploration of an fMRI-based algorithm for selecting patients into treatment with Cognitive Behavior Therapy (CBT) and antidepressants. Presentation at the meeting of the Society for Biological Psychiatry. New Orleans, May.
- 162 **Siegle, G.J.**, Friedman, E. (2010). Temporal dynamics of prefrontal responses to emotion following

- response to antidepressant and cognitive behavioral therapies for unipolar depression. Presentation at the meeting of the Society for Biological Psychiatry. New Orleans, May.
- 163 Barriers to CBT Homework: Identification of the problem and a potential technology-enhanced solution (CBT MobileWork). Presentation at the World Congress of Behavioral and Cognitive Therapies, Boston, June.
- 164 Callan, J.A., **Siegle, G.J.**, Dey, A.K., Spring, M., Rotondi, A. and Dunbar-Jacob, J. (2010).
- 165 **Siegle, G.J.**, Mandell, D., Friedman, E. (2010). Going down: Brain mechanisms of rumination before and after Cognitive Therapy for depression. Presentation at the World Congress of Behavioral and Cognitive Therapies, Boston, June.
- 166 Condray, R., **Siegle, G.J.**, Steinhauer, S.R. (2010). Semantic memory and word frequency modulate N400 in the family members of schizophrenia patients. In G. E. Bruder & J. Kayse (Chairs), *Beyond the oddball in schizophrenia research: Neurophysiologic studies of memory and language processing*. Symposium at the meeting of the Society for Psychophysiological Research, Portland, OR, September.
- 167 Chakraborty, B.H., **Siegle, G.J.**, Condray, R., Clarke, A.L., Sheppard, J.C., Steinhauer, S.R. (2010). Pupillary responses during digit span under light and darkness in psychiatric patients. Presentation at the meeting of the Society for Psychophysiological Research, Portland, OR, September.
- 168 Steinhauer, S.R., Clarke, A.L., **Siegle, G.J.**, Condray, R., Chakraborty, B.H. (2010). Reduced pupillary oscillations in schizophrenia and depression suggest central parasympathetic deficit. Presentation at the meeting of the Society for Psychophysiological Research, Portland, OR, September.
- 169 **Siegle, G.J.**, Silk, J., Burkhouse, K., Joyce, E., Dahl, R.S. (2010). Seeing eye to eye: Concurrent pupillary reactivity during mother-child interactions. Presentation at the meeting of the Society for Psychophysiological Research, Portland, OR, September.
- 170 **Siegle, G.J.**, Silk, J., Friedman, E., Thase, M. (2010). Is more because of less? Brain mechanisms of decreased pupillary reactivity in depression. In N. Patten & J. Thayer, *Looking up and down the brain: Is the heart forever making the head its fool?* Symposium at the meeting of the Society for Psychophysiological Research, Portland, OR, September.
- 171 McMakin, D., Silk, J., **Siegle, G.J.**, Dahl, R.E. (2010). Activating and sustaining positive affect in adolescent depression: A new module based on affective neuroscience. *Association for Behavioral and Cognitive Therapies*, San Francisco, November.
- 172 **Siegle, G. J.** (2010). Discussion. In P. Goldin (Chair). Psychological and neural mechanisms of mindfulness-based stress reduction training. *Association for Behavioral and Cognitive Therapies*, San Francisco, November.
- 173 Hooley, J., **Siegle, G.J.** (2010). Perceived criticism and neural reactivity during a criticism challenge. In K. Peterson and D. A. Smith (Chairs). Contemporary conceptualizations of criticism in psychopathology and close relationships. *Association for Behavioral and Cognitive Therapies*, San Francisco, November.
- 174 Jones, N., **Siegle, G.J.**, McFarland, A. (2010). Influences on appetitive motivation and emotion on cognitive functioning in depression. *Association for Behavioral and Cognitive Therapies*, San Francisco, November.
- 175 **Siegle, G.J.**, Collier, M., Berman, S., Friedman, E. (2010). Differential mechanisms of response to Cognitive Therapy: Not all brains change the same. In R. De Raedt (Chair). Changing the underlying working mechanisms of depression: Unifying neurobiological, cognitive, and information processing perspectives. *Association for Behavioral and Cognitive Therapies*, San Francisco, November.
- 176 Dandrea, W. & **Siegle, G.J.** (2011). Blunted affect: The other side of physiological reactivity in psychopathology. *Psychophysiology*, 48, S8-9. Describing W. D'Andrea & G. Siegle (Chairs) Blunted affect: The other side of physiological reactivity in psychopathology. Symposium presented at the 2011 Society for Psychophysiological Research meeting in Boston, MA.

- 177 Ordaz, S., Montez, D., **Siegle, G.J.**, Luna, B. (2011). Developmental differences in arousal reactivity to unpredictable stimuli and effects on inhibitory control. NIMH Interdisciplinary Behavioral Science Center Conference on How do Executive Function and Emotion Interact, Boulder, CO, January.
- 178 Mandell, D., **Siegle, G.J.**, Ichikawa, N., Ladouceur, C., Silk, J., Forbes, E., Ryan, N. (2011). Somatic awareness in anxious youth: Relating trait and state symptoms to neural mechanisms of threat processing. Presentation at the meeting of the *Anxiety Disorders Association of America*, March, New Orleans.
- 179 **Siegle, G.J.**, McFarland, A., Ichikawa, N., Ladouceur, C., Silk, J., Dahl, R. E., Ryan, N. (2011). Prediction of response to CBT for adolescent anxiety using fMRI. Presentation at the meeting of the *Anxiety Disorders Association of America*, March, New Orleans.
- 180 Conner, O., McFarland, A., Ichikawa, N., Silk, J. Ladouceur, C., Ryan, N., **Siegle, G.J.** (2011). Mom – it helps when you’re right here! Attenuation of neural stress markers in anxious adolescents whose parents are present during fMRI. Presentation at the meeting of the *Anxiety Disorders Association of America*, March, New Orleans.
- 181 Oathes, D.J., **Siegle, G.J.**, Ray, W.J., Lambert, J., Schatzberg, A.F., Nitschke, J.B., & Etkin, A. (2011). Behavioral and physiological discrimination of generalized anxiety disorder from major depressive disorder. In D. Mennin & G. Hajcak (Chairs), Are GAD and MDD distinct? Utilizing laboratory methodologies to address diagnostic convergence and divergence. Symposium at the meeting of the Anxiety Disorders Association of America, New Orleans, LA., March.
- 182 Dombrovski, A. Y., **Siegle, G. J.**, Santo, K., Clark, L., Reynolds, C.F. (2011). Basal ganglia integrity, attempted suicide, and discounting of future rewards in late-life depression. Presentation at the meeting of the Society for Biological Psychiatry, May, San Francisco.
- 183 Mullin, B.C., Phillips, M.L., Siegle, G.J., Buysse, D. J., Forbes, E.E., Franzen, P.L., Elevated ventral striatal reactivity to reward following sleep deprivation. Presentation at the meeting of the Society for Biological Psychiatry, May, San Francisco.
- 184 **Siegle, G.J.**, Paul, B.S., Collier, M., Friedman, E.S., Thase, M.E. (2011). Towards clinically interpretable single-patient fMRI: Examining response to Cognitive Therapy of unipolar depression as an example. Presentation at the meeting of the Society for Biological Psychiatry, May, San Francisco.
- 185 Franzen P.L., Gianaros P.J., Marsland A.L., Hall M.H., **Siegle G.J.**, Dahl R.E., Buysse D.J. (2011): Sleepless nights and stressful days: Sleep deprivation and mental stress amplify surges in blood pressure. *Sleep*, 34S, A67. Presentation at the annual *SLEEP* meeting.
- 186 Ladouceur, C.D., Ichikawa, N., McFarland, A., **Siegle, G.J.**, Silk, J., Dahl, R.E., Ryan, N. (2011). Effects of psychotherapy on response monitoring ERPs in anxious youth. Meeting of the International Society for Research in Child and Adolescent Psychopathology, June, Chicago.
- 187 McMakin, D., Siegle, G.J., Silk, J., McFarland, A., Ladouceur, C., Forbes, E., Ryan, N.D., Dahl, R. E. (2011). Effects of CBT on engaging with a positive memory in anxious adolescents: Behavioral and neuroimaging indices. In S.E. Bruce (Chair). CBT for anxiety disorders: Utilization of neuroimaging as a treatment outcome tool. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 188 Ladouceur, C.D., **Siegle, G.J.**, McFarland, A., Ichikawa, N., Silk, J., Dahl, R.E., Ryan, N.D. (2011). Psychophysiological correlates of error monitoring and Cognitive Behavioral Therapy in anxious youth. In Silk, J. & **Siegle, G.J.** (Chairs). Who gets better in individual CBT for child anxiety? Preliminary findings from the Child Anxiety Treatment Study. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 189 Collier, M., **Siegle, G.J.** (2011). Individual differences in response to prediction bias training in dysphoric individuals. In A.W. Calkins (Chair). From cortex to context: New strategies and refined targets in the interventions of mood disorders. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 190 Calkins, A.W., **Siegle, G.J.**, Otto, M.W. (2011). The effects of computerized cognitive control

- training on depressed adults. In A.W. Calkins (Chair). From cortex to context: New strategies and refined targets in the interventions of mood disorders. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 191 Burkhouse, K., Gibb, B.E., **Siegle, G.J.**, McGeary, J. (2011). Maternal criticism and emotional information processing: The moderating role of serotonergic aggregate genetic risk. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 192 Paul, B.S., Jarrett, R.B., Thase, M.E., Friedman, E.S., **Siegle, G.J.** (2011). Physiological reactivity to negative thoughts in individuals who previously responded to Cognitive Therapy for depression. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 193 **Siegle, G.J.**, Ichikawa, N., McFarland, A., Ladouceur, C., Silk, J., Dahl, R.E., Ryan, N. (2011). Understanding response to CBT for adolescent anxiety using fMRI. In Silk, J. & **Siegle, G.J.** (Chairs). Who gets better in individual CBT for child anxiety? Preliminary findings from the Child Anxiety Treatment Study. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 194 **Siegle, G.J.** (2011). The emotion and cognition clinic of the future. In Deveny, C. & **Siegle, G.J.** (Chairs). Psychophysiology, neuroimaging, and neuropsychology for the clinic: How close are we? Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 195 **Siegle, G.J.** (2012). Positive affect systems. Discussion in Developmental Affective Neuroscience meeting, September, Pittsburgh, PA.
- 196 Burkhouse, K. L., Gibb, B.E., **Siegle, G.J.**, McGeary, J.E. (2012). Pupillary reactivity to emotional stimuli in children: The role of maternal depression and aggregate genetic influence. Meeting of the Society for Psychological Research, September, New Orleans, LA.
- 197 Belleau, E., Larson, C.L., Jakubowski, E.J., **Siegle, G.J.** (2012). Working memory capacity influences the effectiveness of reappraisal emotion regulation strategies. Meeting of the Society for Psychological Research, September, New Orleans, LA.
- 198 Jones, N.P., **Siegle, G.J.** (2012). Exploring the biological underpinnings of problem-focused rumination: Identifying new targets for intervention. In P. Clasen (Chair) Modeling emotional dynamics in depression. Symposium at the Meeting of the Association for Behavioral and Cognitive Therapies. November, National Harbor, MD.
- 199 Jones, N.P., **Siegle, G.J.** (2012). Problem-solving rumination in depression: Physiological and neural evidence for cognitive deficits rather than emotional reactivity. In A. Ruscio (chair) Repetitive negative thought: Innovative approaches for moving the science forward. Symposium at the Meeting of the Association for Behavioral and Cognitive Therapies. November, National Harbor, MD.
- 200 **Siegle, G.J.**, Collier, A. (2012) Cognitive training for adolescent depression: A road map with new crossroads. In R. Weersing (Chair). Developing and testing innovative cognitive modification interventions for youth. Symposium at the Meeting of the Association for Behavioral and Cognitive Therapies. November, National Harbor, MD.
- 201 **Siegle, G.J.**, Horner, M.S., Friedman, E.S. (2012). Behavioral and mechanistic effects of Cognitive Therapy on maintaining positive affect in depression. In J. Mohlman (Chair). Emotional contrast: Mood swings and the challenges they bring. Symposium at the Meeting of the Association for Behavioral and Cognitive Therapies. November, National Harbor, MD.
- 202 **Siegle, G.J.**, Horner, M., McMakin, D.L., Silk, J. S., Friedman, E. S. (2012). Positive affect in depression: Behavioral and neural dynamics. In J. Gruber (Chair). Positive emotion and reward dysregulation across disorders. Symposium at the Meeting of the Association for Behavioral and Cognitive Therapies. November, National Harbor, MD.
- 203 **Siegle, G.J.**, Price, R., Ghinassi, F., Hall, M., Callan, J. Calkins, A. (2012). New standards for neurobehavioral therapies to promote clinical application. In R. Price, (Chair). Principles of neurobehavioral change during cognitive training: Advancing personalized treatment by validating neural mechanisms. Symposium at the Meeting of the Association for Behavioral and Cognitive Therapies. November, National Harbor, MD.

- 204 **Siegle, G.J.**, Prause, N. (2013). How is sex rewarding? Let us count the ways. Presentation at the *International Academy of Sex Research* (senior poster award).
- 205 **Siegle, G.J.** (2013). Discussant. In K. Brinkmann (Chair). Impaired reward responsiveness in depression: Evidence, vulnerability, and implications. Symposium at the meeting of the Society for Psychophysiological Research, October, Florence, Italy.
- 206 **Siegle, G.J.** (2013). Working memory training for depression: For whom does the bell toll? In N. Derakshan (Chair). Pathways to intervention: The impact and mechanisms of Working Memory Training, Symposium at the meeting of the Society for Psychophysiological Research, October, Florence, Italy.
- 207 Gibb, B.E., Burkhouse, K.L., Hastings, P., **Siegle, G.J.** (2013). Synchronization of neural activity during parent-child interactions. In G. J. Siegle, (Chair). Extreme psychophysiology: EEG where you would least expect it. Symposium at the meeting of the Society for Psychophysiological Research, October, Florence, Italy.
- 208 Buckalew, N., **Siegle, G.J.** (2013). EEG of everyday Yoga: Feasibility of assessing objective measures of the subjective experience of Yoga. In G. J. Siegle, (Chair). Extreme psychophysiology: EEG where you would least expect it. Symposium at the meeting of the Society for Psychophysiological Research, October, Florence, Italy.
- 209 Prause, N. & **Siegle, G.J.** (2013). Sexual arousal and orgasm as model reward systems for EEG study. In G. J. Siegle, (Chair). Extreme psychophysiology: EEG where you would least expect it. Symposium at the meeting of the Society for Psychophysiological Research, October, Florence, Italy.
- 210 **Siegle, G.J.**, Bird, W., D'Andrea, W., Prause, N. (2013). Mobile high affect single subject EEG: From calibration to public database. In G. J. Siegle, (Chair). Extreme psychophysiology: EEG where you would least expect it. Symposium at the meeting of the Society for Psychophysiological Research, October, Florence, Italy.
- 211 **Siegle, G.J.**, D'Andrea, W. (2013). Blunted and discordant affect sensitivity syndromes. In W. D'Andrea (Chair). *Blunted Affect and arousal: Transdiagnostic psychobiological evidence of "Shutting Down" after exposure to complex trauma*. International Society for Traumatic Stress Studies, Philadelphia, November.
- 212 Price, R., Silk, J.S., Ladouceur, C., Dahl, R.E., Ryan, N.D., **Siegle, G.J.** (2013). Neural mechanisms of attention bias and attention bias modification: Cognitive neuroscience meets cognitive-behavioral theory. In R. Price (Chair). Neural mechanisms of attention bias and attention bias modification: Cognitive neuroscience meets cognitive-behavioral theory. Association for Behavioral and Cognitive Therapies, December, Nashville.
- 213 Lee, G.E., Meller, S., Lee, K. H., **Siegle, G.J.**, Ryan, N.D., Silk, J.S. (2013) Social threat and reward in adolescents with depressive symptoms: An ecological momentary assessment study. Association for Behavioral and Cognitive Therapies, December, Nashville.
- 214 Meller, S., Silk, J., Tan, P., McMakin, D.L., Forbes, E., Dahl, R. E., **Siegle, G.J.**, Ryan, N.D. (2013). Parental expressed emotion and one year treatment outcome in child anxiety. Association for Behavioral and Cognitive Therapies, December, Nashville.
- 215 D'Andrea, W., & Siegle, G.J. (2013). Blunted and Discordant Affect: A Transdiagnostic Construct in Psychopathology. European Society for the Study of Traumatic Stress, June, Bologna, Italy.
- 216 Siegle, G.J., Grauer, S., Price, R., Ladouceur, C., Silk, J.S., Ryan, N. D. (2013). Changes in neural mechanisms of vigilance & avoidance in CBT for youth anxiety. Presentation in S. Bruce (Chair). *Dimensional constructs and neural correlates of CBT treatment outcome in anxiety disorders*. Association for Behavioral and Cognitive Therapies, December, Nashville.
- 217 **Siegle, G.J.**, Methods for Neurobehavioral Assessment and Intervention (2013). in G. Siegle & R. Price Chairs, *Neurocognitive and Translational Interventions Institute*, Association for Behavioral and Cognitive Therapies, December, Nashville.
- 218 Martin, E., **Siegle, G.J.**, Karcher, N.R., Kerns, J.G. (2014). Neural evidence of decreased attention to emotion in social anhedonia. Presentation at the *Society for Affective Science*. April, Washington,

D.C.

- 219 Freed, S.J., D'Andrea, W., Shuster, V., Fortunato, A., **Siegle, G.J.** (2014). Autonomic correlates of shame during social evaluative stress. Presentation at the *Society for Affective Science*. April, Washington, D.C.
- 220 **Siegle, G.J.** (2014). Selecting patients into Cognitive Therapy (CT) for depression in the real world: Where do brains fit in? Presentation in M. Goodman and E. Chen, *Advances in the use of neuroimaging to understand the mechanisms of treatment*. Symposium at the meeting of the *American Psychiatric Association*, May, New York, New York.
- 221 Mennies, R.J., Tan, P.Z., Silk, J.S., Price, R.B., **Siegle, G.J.**, Ryan, N.D. (2014). Exploring the association between attentional bias, parenting behaviors, and childhood anxiety. Presentation at the *Society for Psychological Science*, May, San Francisco, CA.
- 222 **Siegle, G.J.** & Prause, N. (2014). Is sex like other primary rewards? Presentation at the *Society for Psychological Science*, May, San Francisco, CA.
- 223 Kraynak, T.E., Collier, A., D'Andrea, W., **Siegle, G.J.** (2014). Childhood trauma is associated with exaggerated neural reactivity to criticism, Presentation for *WPIC Research Day*, June, Pittsburgh, PA. *Winner, Staff research presentation*.
- 224 Stone, L.B., Jones, N.P., Silk, J.S., **Siegle, G.J.** (2014). Rumination predicts depressed adolescents' pupillary response to peer acceptance and rejection. Presentation at the meeting of the *Society of Psychophysiological Research*. September, Atlanta.
- 225 Kraynak, T.E., Collier, A., D'Andrea, W., **Siegle, G.J.** (2014). Childhood trauma is associated with exaggerated neural reactivity to criticism, Presentation at the meeting of the *Society of Psychophysiological Research*. September, Atlanta.
- 226 **Siegle, G.J.** (2014). Discussion. In L.J. O'Toole, & T. A. Dennis, Using EEG/ERP methods to disentangle the impact of novel experimental manipulations on anxiety-related processes. Symposium at the meeting of the *Society of Psychophysiological Research*. September, Atlanta.
- 227 Gibb, B., Burkhouse, K.L., Owens, M., Hastings, P.D., **Siegle, G.J.** (2014). Parent and child depression impact EEG alpha level and alpha synchrony during parent-child interactions. In Gibb, B. (Chair). Biomarkers of risk in children of depressed mothers. Symposium at the meeting of the Society of Psychophysiological Research. September, Atlanta.
- 228 Olino, T., MckMakin, D.L., Ryan, N.D., Ladouceur, C.D., Forbes, E., **Siegle, G.J.**, Kendall, P., Silk, J.S. (2014). Therapeutic alliance differentially moderates treatment response across phases of CBT in anxious youth. In J. Silk & P. Tan (Chairs). First looks from the Pittsburgh child anxiety treatment study. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, Philadelphia.
- 229 Silk, J. S., Tan, P., Ladouceur, C.D., **Siegle, G.J.** (2014). CBT versus child-centered psychotherapy for child anxiety: Clinical and real-world outcomes. In J. Silk & P. Tan (Chairs). First looks from the Pittsburgh child anxiety treatment study. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, Philadelphia.
- 230 Silk, J.S., Lee, K.H., Dahl, R.E., Hooley, J., **Siegle, G.J.** (2014). Neural response to maternal praise and criticism in adolescents with major depressive disorder. In J. Chango, & R. Auerbach. (Chairs). Neural and genetic mechanisms underlying adolescent psychopathology. Symposium at the meeting of the Association for Behavioral and Cognitive Therapies, November, Philadelphia.
- 231 Kerr, M., **Siegle, G.J.** (2015). Why do people voluntarily engage with high negative affect experiences? *Society for Affective Science*, April, Berkeley, CA
- 232 **Siegle, G.J.** (2015). The neuroscience of letting go. Invited presentation for the Positive Affect Preconference: Society for Affective Science. April, Berkeley, CA
- 233 Price, R., Allen, K. B., Silk, J. S., Ryan, N. D., **Siegle, G. J.** (2015). Neural and behavioral vigilance patterns in the laboratory predict real-world avoidance among anxious youth. Presentation at the meeting of the *Society of Biological Psychiatry*, May, Toronto.
- 234 Young, K., **Siegle, G. J.**, Phillips, R., Zotev, V., Yuan, H., Misaki, M., Drevets, W. C., Bodurka, J. (2015). Real-time fMRI amygdala neurofeedback improves symptoms and autobiographical memory

- performance in depressed individuals. Presentation at the meeting of the *Society of Biological Psychiatry*, May, Toronto.
- 235 **Siegle, G.J.** (2015). Addressing mechanisms of repetitive negative thinking. Presentation at the *Cognitive Remediation* meeting, August, San Francisco.
- 236 Prause, N.R., **Siegle, G.J.**, Deblieck, C., Wu, A., Iacoboni, M. (2015). A role for transcranial magnetic stimulation in enhancing/inhibiting responsiveness to sexual rewards. Presentation at the meeting of the Society for Psychophysiological Research, September, Seattle.
- 237 Rosen, D.K., Price, R.B., **Siegle, G.J.**, Ladouceur, C.D., Ryan, N.D., Silk, J.S., (2015). Disengagement bias predicts anxious youths' one-year treatment outcome. Presentation at the meeting of the *Association for Behavioral and Cognitive Therapies*, November, Chicago.
- 238 **Siegle, G.J.** (2015). Why I am excited about the RDoC. In R. Hershenberg (Chair). A critical discussion of the implications of RDoC for depression research and treatment. Presentation at the meeting of the *Association for Behavioral and Cognitive Therapies*, November, Chicago.
- 239 **Siegle, G.J.** (2015). fMRI of positive information processing in Cognitive Therapy. In R. Jacobs (Chair). Mechanisms of change and brain-based predictors of response to cognitive behavioral therapies for anxiety and depressive disorders. Presentation at the meeting of the *Association for Behavioral and Cognitive Therapies*, November, Chicago.
- 240 **Siegle, G.J.** (2015). Discussion. In A. Valdespino (Chair). Clinical applications of economics and learning theory in the context of social anxiety, depression, and suicidality. Presentation at the meeting of the *Association for Behavioral and Cognitive Therapies*, November, Chicago.
- 241 **Siegle, G.J.** (2016). Discussion. In R. Price (Chair). Innovations in the Development and Personalization of Cognitive Training Techniques for Anxiety and Depression, Symposium at the meeting of the *Anxiety and Depression Association of America*, March, Chicago.
- 242 **Siegle, G.J.**, Price, R.B., Collier, A., Thompson, W.K., Thase, M.E. (2016). Precision medicine made practical: The case for cost-optimized sequential assessment prognostic algorithms (COSAPAs). In N. Amir (Chair). Integrating Information Across Diverse Sources in Depression and Anxiety: Using Machine Learning to Understand Symptom and Outcome Heterogeneity, Symposium at the meeting of the *Anxiety and Depression Association of America*, March, Chicago.
- 243 **Siegle, G.J.** (2016). Prefrontal control in depression: Fickle friend or begrudged enemy? In Yamamoto, T. (Chair). Advances in depression research. Symposium at the 31st International Congress of Psychology, April, Yokohama, Japan.
- 244 **Siegle, G.J.** (2016). Adventures in fMRI psychometrics In D. Samuel (Chair), *Establishing Psychometric Expectations for Neurobiological Assessments*, Special Event at the *Society for Psychological Science*, May, Chicago, IL.
- 245 **Siegle, G.J.** (2016). Panelist, In A. J. Ouimet. (Moderator). *What's basic cognitive science got to do with it? Contributions, detractors, integration, and future directions for cognitive behavioral therapies*. Panel at the meeting of the Association for Behavioral and Cognitive Therapies, New York, NY, October 2016.
- 246 **Siegle, G.J.** (2016). Panelist, In Cohen, Z. (Moderator). *The past, present, and future of personalized medicine in mental health: A panel discussion of the proceedings of the 2016 treatment selection idea lab*. Panel at the meeting of the Association for Behavioral and Cognitive Therapies, New York, NY, October 2016.
- 247 **Siegle, G.J.** (2016). Panelist, In Ellard, K. (Moderator). *CBT in the era of the brain initiative: Where do we go from here?* Panel at the meeting of the Association for Behavioral and Cognitive Therapies, New York, NY, October 2016.
- 248 **Siegle, G.J.** (2016). Towards the use of functional neuroimaging in CBT. In B. Price et al (Chairs), *Neuroscience-informed behavioral interventions: From CBT to Cognitive Training*. Institute at the meeting of the Association for Behavioral and Cognitive Therapies, New York, NY, October 2016.
- 249 **Siegle, G.J.** (2016). Emotion prosthetics: Towards peripheral regulation of rumination. In Siegle, G.J. & Nooner, K. (Chairs) *Mechanistically guided neurofeedback / neurostimulation for CBT*. Workshop at the meeting of the Association for Behavioral and Cognitive Therapies, New York,

NY, October 2016.

- 250 **Siegle, G.J.** (2016). Introduction to neurofeedback and neurostimulation. In Siegle, G.J. & Nooner, K. (Chairs) *Mechanistically guided neurofeedback / neurostimulation for CBT*. Workshop at the meeting of the Association for Behavioral and Cognitive Therapies, New York, NY, October 2016.
- 251 Nieves, N., Lee, K.A., Fidelman, J., Khedari, V., Stafford, E., Collier, A., Cao, T., Kraynak, T., **Siegle, G.J.**, D'Andrea, W. (2017, April) Self and other orientations of emotions on the RMET. Presentation at the meeting of the Society for Affective Science, Boston.
- 252 Herzog, S., DePierro, J., Collier, A., Cao, T., Freed, S., Doukas, A., Stafford, E., Khedari, V., Nieves, N., Minshew, R., Pyzewski, M.L., Caligiuri, S., Kraynak, T.E., Min, M., Milbert, M., Feldmiller, J., Feingold, M., Shutt, L., Leichter, L., **Siegle, G.J.**, D'Andrea, W. (2017, April). When good things make you feel bad: Neural and behavioral correlates of negative affect interference. Presentation at the meeting of the Society for Affective Science, Boston.
- 253 Gotham, K.O., **Siegle, G.J.**, Tomarken, A., Han, G., Crist, R., Bodfish, J. (2017, April). Sustained pupil dilation to sad faces is associated with self-reported rumination in adults with autism spectrum disorder and adults with depression. Presentation at the meeting of the Society for Affective Science, Boston.
- 254 Fidelman, J., Nieves, N., Lee, K.A., Khedari, V., Stafford, E., Collier, A., Cao, T., Kraynak, T., **Siegle, G.J.**, D'Andrea, W. (2017, April). Negative affect and alexithymia in somatization and dissociation. Presentation at the meeting of the Society for Affective Science, Boston.
- 255 Kerr, M., Orsini, J., **Siegle, G.J.** (2017, April). What's bad for you is good for me: Positive gains from negative stimuli. Presentation at the meeting of the Society for Affective Science, Boston.
- 256 Cao, T., D'Andrea, W., Collier, A., Pyzewski, M., Caligiuri, S., Nieves, N., Herzong, S., Khedari, V., Stafford, E., **Siegle, G.J.** (2017, April). Towards a neural signature of stress reactivity. Presentation at the meeting of the Society for Affective Science, Boston.
- 257 Pyzewski, M., Orsini, J., **Siegle, G.J.** (2017, April) New normed emotion stimuli: Negative and positive sentences and positive music. Presentation at the meeting of the Society for Affective Science, Boston.
- 258 **Siegle, G.J.**, D'Andrea, W., Kerr, M., Cao, T., Collier, A., Pyzewski, M., Orsini, J. (2017, April) Making it not feel so bad (or good). Presentation at the meeting of the Society for Affective Science, Boston.
- 259 **Siegle, G.J.** (2017, November) Presentation in C. Gutner (Chair) Shortening the science-to-service pipeline: Forming a tighter link between neuroscience and implementation science. Panel at the meeting of the Association for Behavioral and Cognitive Therapies, San Diego.
- 260 **Siegle, G.J.** (2017, November) Presentation in G. J. Siegle & C. Bockting (Chairs) Effective interventions in mental health: Netherlands Institute for Advanced Studies 2017 Depression Theme Group. Panel at the meeting of the Association for Behavioral and Cognitive Therapies, San Diego.
- 261 **Siegle, G.J.** (2017, November) Presentation in J. Hoffman (Chair) Neural network models: Relevance for the past, present, and future of CBT. Panel at the meeting of the Association for Behavioral and Cognitive Therapies, San Diego.
- 262 **Siegle, G.J.** (2017, November) Presentation in K. Nooner (Chair) Translational collaborations to further integration and exploration of neural mechanisms across diverse treatment contexts. Panel at the meeting of the Association for Behavioral and Cognitive Therapies, San Diego.
- 263 Pyzewski, M.L., Cao, T., Caligiuri, S., Orsini, J., Young, K., **Siegle, G.J.** (2018, April) Using somatosensory stimuli in attention based intervention towards reducing rumination. Presentation at the meeting of the Society for Affective Science, Los Angeles.
- 264 Doukas, A., D'Andrea, W., Gregory, W., Joachim, B., Khedari, V., Lee, K., Robinson, G., **Siegle, G.J.** (2018, April) Hurts so good: Pain as a regulatory alternative to reappraisal and distraction. Presentation at the meeting of the Society for Affective Science, Los Angeles. *Winner, Flash Talk award.*
- 265 **Siegle, G.J.**, (2018). Nonpharmacological altered states. Presentation at the Sleeping Octopus Assembly on Psychedelics, July, Pittsburgh, PA.

- 266 **Siegle, G.J.**, Gao, S. (2018). Altered states through vibroacoustic stimulation. Presentation at the Sleeping Octopus Assembly on Psychedelics, July, Pittsburgh, PA.
- 267 **Siegle, G.J.** (2018) Neuroscience-based pre-treatments and augmentations for CBT. In Ellard (Chair) mHealth Preconference, Association for Behavioral and Cognitive Therapies meeting, October, Washington, D.C.
- 268 **Siegle, G.J.** (2018). Discussion. In P. Hitchcock (Chair). Methodological innovations: Precision neuroimaging, machine learning tournaments, and computational modeling to accelerate clinical science. Symposium at the Association for Behavioral and Cognitive Therapies meeting, October, Washington, D.C.
- 269 **Siegle, G.J.** (2018). Discussion. In K. Hsu (Chair). In the eye of the beholder: Novel approaches to studying mood disorders through the use of eyetracking and pupilometry. Symposium at the Association for Behavioral and Cognitive Therapies meeting, October, Washington, D.C.
- 270 Rabin, D., **Siegle, G.J.** (2019). Toward emotion prosthetics: Emotion regulation through wearable vibroacoustic stimulation. Presentation at the meeting of the Society for Biological Psychiatry, May, Chicago. *Biological Psychiatry*, 83(9) S380-381. DOI: <https://doi.org/10.1016/j.biopsych.2018.02.978>
- 271 Barb, S., Huppert, T., **Siegle, G. J.**, Young, K. (2019). Augmenting CBT with real-time fMRI amygdala neurofeedback training increases early response to therapy. Presentation at the meeting of the Society for Biological Psychiatry, May, Chicago. *Biological Psychiatry*, 83(9) S188. DOI: <https://doi.org/10.1016/j.biopsych.2018.02.492>
- 272 **Siegle, G.J.**, Gao, S., Fani, N., D'Andrea, W., Prause, N., (2019). Vibration technologies for clinical and research use. WPIC Research Resources Roundup. April, Pittsburgh, PA.
- 273 **Siegle, G.J.** (2019) Empathy and compassion: A social affective neuroscience framework. Invited presentation at the National Academy of Sciences meeting on Empathy and Compassion, Washington, D.C.,
- 274 **Siegle, G.J.** & Price, R.B. (2019). Why do research with living breathing humans. University of Pittsburgh Research Day, June, Pittsburgh, PA
- 275 Prause, N., **Siegle, G.J.**, & Coan, J. (2019). The health benefits of non-romantic sexual activity partners: A laboratory study. Poster presentation at the annual meeting of the International Academy of Sex Research, July, Mexico City, Mexico.
- 276 **Siegle, G.J.** (2019). Six stories from the front lines of translational neurocognitive assessments and interventions. Presentation in M. Strega (Chair). Implementing Neuroscience: Bridging the Gap between Research and Clinical Application, Panel at the meeting of the Association for Behavioral and Cognitive Therapies, November, Atlanta, GA.

Other Media

1. Siegle, G.J. & Aschheim, D. (2007). "Eyes on Christine." Collaborative artwork showing eyetracking in a semantic network, in D. Aschheim, *The Forgetting Curve*, Installation at the University of Southern Maine Art Galleries, Maine, January-March. Reprinted in Viskontas, I. (2015) Tracking the eyes to study the brain, *American Scientist*, 103(6), 388.
2. Siegle, G.J. & Cook, L. (2010). "Woven Faces in the Brain." Collaborative artwork showing brain reactivity to woven images, in L. Cook international national touring exhibit *Faces and Mazes*. Reprinted in Cook, L. (2010) An investigation: Woven faces and neuroscience. *ETN textile forum*. 4, 42-43.

Unpublished Scholarly Works

1. **Siegle, G. J.** (1995). *Mass Testing Manual: A manual for the running and scoring of Mass Testing measures at San Diego State University*
2. **Siegle, G. J.** (1996). *The Big Cab Book: Manual for the Cognitive Assessment Battery*
3. **Siegle, G. J.** (1999). *Being Borderline: An Operator's Manual*.
4. **Siegle, G.J.** & Haggerty, A.E. (2005). *Cognitive Control Training: Intervention and Protocols*. Document disseminated with the cognitive control training intervention software for home and research

use.

5. **Siegle, G.J.** (2013-2015). *Matlab Code for Analysis and Realtime Feedback from EEG Data*. Distributed by the author upon agreement with training. Used by labs throughout the world.
6. **Siegle, G.J.** (2000-2015). *Matlab Code for Analysis of Psychophysiological Data*. Distributed by the author upon agreement with training. Used by labs throughout the world.

PROFESSIONAL ACTIVITIES

Teaching

Ongoing recurrent classes

1. Course Name: Program in Cognitive Affective Neuroscience (PICAN) Meeting
Description: Weekly journal club and scientific project mentoring meeting
Year: 2003-present
No. of Times: 35-45 per year
To Whom: faculty, post-doctoral, residents, medical students, graduate, & undergraduate students
No. of Students: 5-25 per session
Where: University of Pittsburgh School of Medicine
2. Course Name: Program in Cognitive Affective Neuroscience – Fall training
Description: 2 day intensive course rotating by year between topics of: 1) fMRI preprocessing and analysis, 2) Introduction to EEG data collection and analysis, and 3) MATLAB for psychophysiology and neuroimaging 4) Machine Learning, 5) Multi-modal integration
Year: 2006-present
No. of Times: once per year
To Whom: graduate students, post-docs, junior faculty
No. of Students: 12-25
Where: University of Pittsburgh
3. Course Name: Translational Research in Emotion, Neuroscience, and Development (TREND) Artist in Residence Series
Description: Nationally known artists visit the TREND research group for a day and then give a lecture. I coordinate this series.
Year: 2007-present
No. of Times: once per year
To Whom: graduate students, post-docs, staff, faculty
No. of Students: 40
Where: University of Pittsburgh
4. Course Name: Mobile EEG/Psychophysiology data collection, preprocessing, and analysis
Description: 2 day workshop on use of mobile EEG/psychophysiology technologies for psychophysiology with basic and clinical applications
Year: 2013-present
No. of Times: 1-3x per year
To Whom: graduate students, post-docs, staff, faculty
No. of Students: 5-10 per class
Where: University of Pittsburgh (all years), Georgia State University (2018), University of Vermont (2018), University of Maine (2018), Michigan State University (2017), Vanderbilt University (2016), Yale University (2016), Boston University (2015), University of Vienna (2015), University of Trier (2014), University of Edinburgh (2013)

Previous recurrent classes, one time classes, and guest lectures

- 1 Course Name: Visualization of Mathematically Generated Functions
Description: Lead a course in creation of software for visualizing mathematical functions

- Year: 1989
 No. of Times: 2x per week, 1 semester
 To Whom: Undergraduate mathematics and computer science students
 No. of Students: 6
 Where: Brown University
- 2 Course Name: Fundamentals of Programming
 Description: Teaching assistant for a course in algorithms and assembly code programming
 Year: 1990
 No. of Times: 3x per week, 1 semester
 To Whom: Undergraduate computer science students
 No. of Students: 75
 Where: Brown University
- 3 Course Name: Honors Third Semester Calculus
 Description: Teaching assistant for a course in multidimensional calculus
 Year: 1990
 No. of Times: 2x per week, 1 semester
 To Whom: undergraduate mathematics students
 No. of Students: 30
 Where: Brown University
- 4 Course Name: Introduction to Artificial Intelligence
 Description: Teaching Assistant for a course in artificial intelligence programming
 Year: 1990-1991
 No. of Times: 2x per week, 3 semesters (2 as Head Teaching Assistant)
 To Whom: undergraduate computer science students
 No. of Students: 60 per semester
 Where: Brown University
- 5 Course Name: Automated Learning Systems
 Description: Instructor for a course in creating learning algorithms for autonomous robots
 Year: 1991
 No. of Times: 2x per week, 1 semester
 To Whom: undergraduate cognitive science students
 No. of Students: 6
 Where: Brown University
- 6 Course Name: Experimental Mathematics
 Description: Guest lecturer for a course in mathematical visualization
 Year: 1993
 No. of Times: 1
 To Whom: Graduate computer science and mathematics students
 No. of Students: 16
 Where: Northwestern University
- 7 Course Name: Research Design and Analysis
 Description: Teaching assistant for doctoral statistics course in regression and

- analysis of variance.
- Year: 1995-1996
- No. of Times: 3x per week, 2 classes, 1 semester
- To Whom: Psychology graduate students
- No. of Students: Approximately 27 per class
- Where: San Diego State University
- 8 Course Name: Cognitive Correlates of Depression and Anxiety
- Description: Instructor for undergraduate research seminar
- Year: 1994-1997
- No. of Times: 1x per week, six semesters
- To Whom: upper level psychology undergraduates
- No. of Students: 6-12 per semester
- Where: San Diego State University
- 9 Course Name: Testing and Measurement,
- Description: Instructor for a first course in psychometrics
- Year: 1996-1998
- No. of Times: 3 times per week, six semesters
- To Whom: upper level psychology undergraduates
- No. of Students: Approximately 33 per class, 2 classes per semester
- Where: San Diego State University
- 10 Course Name: General Psychiatry Curriculum, Level II Course
- Description: Guest lecturer for a description of Cognitive Behavioral Therapy
- Year: 1998
- No. of Times: 1
- To Whom: PGY II Psychiatric Residents
- No. of Students: 12
- Where: Clarke Institute of Psychiatry
- 11 Course Name: Cognition and Psychopathology
- Description: Guest lecturer for a course in cognitive correlates of psychopathology
- Year: 1998
- No. of Times: 1
- To Whom: undergraduate psychology students
- No. of Students: 75
- Where: University of Toronto
- 12 Course Name: Magnetic Resonance Imaging Lecture Series
- Description: Guest lecturer for a weekly lecture series on issues in magnetic resonance imaging
- Year: 2000
- No. of Times: 1
- To Whom: MR center, psychiatry, and neurology faculty and staff
- No. of Students: 40
- Where: University of Pittsburgh Medical School
- 13 Course Name: Seminar in Neuroanatomy
- Description: Guest lecturer for a weekly seminar series on issues in functional

- neuroimaging
- Year: 1999,2001, 2002
- No. of Times: 3
- To Whom: Psychology and neuroscience graduate students and faculty
- No. of Students: 18
- Where: University of Pittsburgh
- 14 Course Name: Health Psychology Lecture Series
- Description: Guest lecturer for a weekly lecture series on issues in health psychology
- Year: 2001
- No. of Times: 1
- To Whom: psychology department graduate students, faculty and staff
- No. of Students: 30
- Where: University of Pittsburgh
- 15 Course Name: CNBC Brown Bag Series
- Description: Brown bag lecture series on cognitive neuroscience
- Year: 2002
- No. of Times: 1
- To Whom: CNBC students and faculty
- No. of Students: 15
- Where: CNBC
- 16 Course Name: Cognitive Psychology Lecture Series
- Description: Guest lecturer for a weekly lecture series on issues in cognitive psychology
- Year: 2002
- No. of Times: 1
- To Whom: psychology department faculty and staff
- No. of Students: 30
- Where: University of Pittsburgh
- 17 Course Name: Magnetic Resonance in Neuroscience
- Description: Guest lecturer for an undergraduate course in magnetic resonance imaging
- Year: 2002
- No. of Times: 1
- To Whom: undergraduate students
- No. of Students: 10
- Where: Carnegie Mellon University
- 18 Course Name: Magnetic Resonance in Neuroscience
- Description: Guest lecturer for an undergraduate course in magnetic resonance imaging
- Year: 2003
- No. of Times: 1
- To Whom: undergraduate students
- No. of Students: 10
- Where: Carnegie Mellon University

- 19 Course Name: Seminar in the Neurobiology of Emotion
Description: Graduate seminar in emotion
Year: 2003
No. of Times: 1
To Whom: faculty, and graduate students
No. of Students: 7
Where: Carnegie Mellon University
- 20 Course Name: Seminar in Decision Sciences
Description: Seminar in decision sciences
Year: 2004
No. of Times: 1
To Whom: faculty, post-doctoral students, graduate students
No. of Students: 7
Where: Carnegie Mellon University
- 21 Course Name: Cognitive Research Methods
Description: Seminar in research methodology in cognitive experimental psychology
Year: 2004
No. of Times: 1
To Whom: graduate students
No. of Students: 7
Where: University of Pittsburgh
- 22 Course Name: Attention and Memory
Description: Seminar in research on attention and cognition
Year: 2006
No. of Times: 1
To Whom: graduate students
No. of Students: 10
Where: University of Pittsburgh
- 23 Course Name: Brain Executive/Emotional Control Systems
Description: Psychology course in brain function
Year: 2007
No. of Times: 1
To Whom: graduate, & undergraduate students
No. of Students: 10
Where: University of Pittsburgh
- 24 Course Name: Seminar in Computational Modeling
Description: Graduate cognitive neuroscience seminar
Year: 2007
No. of Times: 1
To Whom: Faculty, post-doctoral, and graduate students
No. of Students: 25
Where: Carnegie Mellon University
- 25 Course Name: Clinical Psychology Brown Bag Series
Description: Brown bag lecture series for clinical psychology students and

- faculty
- Year: 2007
- No. of Times: 1
- To Whom: Clinical psychology graduate students, post-docs, and faculty
- No. of Students: 30
- Where: University of Pittsburgh
- 26 Course Name: Neuroscience
- Description: Nursing school course in neuroscience
- Year: 2008
- No. of Times: 1
- To Whom: nursing graduate students & post-docs
- No. of Students: 6
- Where: University of Pittsburgh School of Nursing
- 27 Course Name: Society for Psychophysiological Research: Education and Training
Committee Roundtable on Clinical Psychophysiology and
Neuroimaging
- Description: Roundtable discussion on neuroimaging in clinical
psychophysiology
- Year: 2008-2009
- No. of Times: 2 (once per year)
- To Whom: Graduate students and post-doctoral fellows
- No. of Students: 15
- Where: 2008 - Austin, Texas, 2009 - Berlin
- 28 Course Name: Demystifying brain and body measures for the cognitive and
behavioral therapist: No experience required!
- Description: Introduction to fMRI and psychophysiological measures for aspiring
clinical researchers and collaborators
- Year: 2008
- No. of Times: 1
- To Whom: Graduate students, post-docs, and faculty
- No. of Students: 18
- Where: Meeting of the Association for Behavioral and Cognitive Therapy.
November, Orlando, Fl.
- 29 Course Name: Pittsburgh Pupil Colloquium
- Description: Proseminar for pupil researchers in Pittsburgh
- Year: 2007, 2008
- No. of Times: approximately 2-3 presentations per year
- To Whom: graduate students, post-docs, staff, faculty
- No. of Students: 10
- Where: University of Pittsburgh
- 30 Course Name: Psychiatric Epidemiology
- Description: Graduate and postdoctoral course linking epidemiology and
psychiatry
- Year: 2009
- No. of Times: 1
- To Whom: graduate and post-doctoral students and faculty

- No. of Students: 15
Where: University of Pittsburgh
- 31 Course Name: Methodology Monday / fMRI Statistics Reading Group
Description: Informal monthly clinic in fMRI methodology
Year: 2002-2009
No. of Times: 6-12 per year
To Whom: faculty, post-doctoral, graduate, & undergraduate students
No. of Students: 15-30 per session
Where: University of Pittsburgh School of Medicine
- 32 Course Name: Clinical Translational Science Institute Multimodal Imaging Workshop
Description: Lecture on fMRI – Case study and promotion of neuroimaging studies
Year: 2010
No. of Times: 1
To Whom: Faculty, post-docs, graduate students
No. of Students: 30
Where: Pittsburgh
- 33 Course Name: Child Intervention and Prevention Services (CHIPS) Summer Research Institute
Description: Kountdown to a K – Steps towards applying for a K-award without losing one’s mind
Year: 2010
No. of Times: 1
To Whom: Faculty, post-docs, graduate students
No. of Students: 15
Where: Pittsburgh
- 34 Course Name: Medical Student Training Program (MSTP)
Description: Seminar in clinical fMRI methods
Year: 2011
No. of Times: 1
To Whom: Medical students
No. of Students: 15
Where: University of Pittsburgh
- 35 Course Name: Neuroscience of Psychology Seminar
Description: Seminar in Affective Neuroscience
Year: 2011
No. of Times: 1
To Whom: Graduate Students
No. of Students: 10
Where: University Trondheim, Norway
- 36 Course Name: Child Development Unit Seminar
Description: Seminar
Year: 2011
No. of Times: 1

- To Whom: Faculty, Post-docs, Medical students
 No. of Students: 10
 Where: University of Pittsburgh
- 37 Course Name: Developmental Affective Science Colloquium
 Description: Seminar
 Year: 2011
 No. of Times: 2
 To Whom: Faculty, Post-docs, Graduate Students, Medical students, Staff
 No. of Students: 20
 Where: University of Pittsburgh
- 38 Course Name: Translating good clinical ideas to clinical treatments
 Description: Seminar for trainees
 Year: 2012
 No. of Times: 1
 To Whom: Medical residents, medical students, psychology interns
 No. of Students: 12
 Where: University of Rochester
- 39 Course Name: The Science and Practice of Meditation
 Description: Seminar
 Year: 2012
 No. of Times: 6
 To Whom: Clinicians, researchers, and clergy
 No. of Students: 20
 Where: Pittsburgh Theological Seminary
- 40 Course Name: Multimodal NeuroImaging Workshop
 Description: Multimodal assessment in the depression clinic of the future
 Year: 2013
 No. of Times: 1
 To Whom: post-docs, graduate students
 No. of Students: 20
 Where: Pittsburgh
- 41 Course Name: Clinical Psychology Seminar
 Description: Seminar
 Year: 2013
 No. of Times: 1
 To Whom: Graduate Students
 No. of Students: 14
 Where: University of Kansas
- 42 Course Name: Clinical & Translational Science Institute: Ethics Seminar
 Description: Informing patients about their data from clinical research studies:
 Clinical, ethical, and measurement considerations
 Year: 2013
 No. of Times: 1
 To Whom: Graduate Students, Post docs
 No. of Students: 14

- Where: University of Pittsburgh
- 43 Course Name: Neurocognitive and translational interventions for emotional disorders
- Description: Methods lunch
- Year: 2014
- No. of Times: 1
- To Whom: Faculty, Graduate Students, Post docs
- No. of Students: 8
- Where: Society for Affective Science meeting, Washington, D.C.
- 44 Course Name: Graduate Seminar in Social Work
- Description: Seminar – annual guest lecture on the neuroscience of depression and treatment
- Year: 2012, 2013, 2014, 2015, 2016
- No. of Times: 1 per year
- To Whom: Graduate Students
- No. of Students: 30
- Where: University of Pittsburgh
- 45 Course Name: Psychophysiology and neuroimaging of emotion
- Description: Methods lunch
- Year: 2014
- No. of Times: 1
- To Whom: Faculty, Graduate Students, Post docs
- No. of Students: 8
- Where: Society for Affective Science meeting, Washington, D.C.
- 46 Course Name: Mixed Emotions
- Description: Methods lunch
- Year: 2015
- No. of Times: 1
- To Whom: Faculty, Graduate Students, Post docs
- No. of Students: 6
- Where: Society for Affective Science meeting, Berkeley, CA
- 47 Course Name: Life-Span Development of Normal and Abnormal Behavior
- Description: NIH T32 Proseminar
- Year: 2008, 2016
- No. of Times: Once in a given year
- To Whom: Graduate students and post-doctoral fellows
- No. of Students: 30
- Where: Vanderbilt University, Nashville
- 48 Course Name: Evolutionary Imaging
- Description: Methods lunch
- Year: 2016
- No. of Times: 1
- To Whom: Faculty, Graduate Students, Post docs
- No. of Students: 10
- Where: Society for Affective Science meeting, Chicago, IL

- 49 Course Name: Interdisciplinary Career Development
Description: Panel
Year: 2016
No. of Times: 1
To Whom: Faculty, Graduate Students, Post docs
No. of Students: 100
Where: Society for Affective Science meeting, Chicago, IL
- 50 Course Name: K12-award scholars seminar: “Academic Success: The mental game”
Description: Applications of cognitive neuroscience to promoting success in academic careers
Year: 2013, 2016
No. of Times: Once per year
To Whom: Junior faculty
No. of Students: 20
Where: University of Pittsburgh
- 51 Course Name: Neuroscience/Clinical Psychiatry case conference
Description: Monthly case conference for clinicians and neuroscientists to discuss the same cases from different perspectives
Year: 2010-2014
No. of Times: Monthly
To Whom: Clinicians, faculty, post-docs, graduate-students, staff
No. of Students: 15
Where: University of Pittsburgh
- 52 Course Name: Mobile Psychophysiology
Description: Methods lunch
Year: 2018
No. of Times: 1
To Whom: Faculty, Graduate Students, Post docs
No. of Students: 8
Where: WPIC Research Day, University of Pittsburgh, Pittsburgh, PA
- 53 Course Name: Network approaches to characterizing relationships among units of analysis in affective science
Description: Methods lunch
Year: 2018
No. of Times: 1
To Whom: Faculty, Graduate Students, Post docs
No. of Students: 8
Where: Society for Affective Science meeting, Los Angeles
- 54 Course Name: Depression
Description: Medical student seminar
Year: 2019
No. of Times: 1
To Whom: Medical students
No. of Students: 12
Where: University of Pittsburgh School of Medicine

55	Course Name:	Rumination and Worry
	Description:	University of Pittsburgh Mental Wellness Task Force
	Year:	2019
	No. of Times:	1
	To Whom:	University of Pittsburgh community – faculty, staff, students
	No. of Students:	200
	Where:	University of Pittsburgh School of Medicine

Mentoring

Undergraduate Students

Current

1. Cameron Hallihan, 2018-present, University of Pittsburgh, Department of Neuroscience, undergraduate research, primary mentor
2. Vaishnavi Guddeti, 2019-present, University of Pittsburgh, Department of Neuroscience, undergraduate research, primary mentor

Previous

- 1 Lisa Farace, 2003, University of Pittsburgh, Department of Neuroscience, Honors undergraduate thesis advisor. Thesis: *Relationships between physiological reactivity and memory for emotional information in depressed individuals.*
- 2 Agnes Haggerty, 2004, University of Pittsburgh, Department of Neuroscience, Honors undergraduate thesis advisor. Thesis: *Amygdala Volume in Children and Adults with Unipolar Depression. Currently, graduate student, University of Pittsburgh. Graduated, currently Ph.D. student, University of Pittsburgh Department of Neuroscience.*
- 3 Michael Muelly, 2004 summer-2006, University of Pittsburgh, Department of Computer Science, Undergraduate Brackenridge Fellowship mentor and undergraduate research mentor
- 4 Emilie Muelly, 2004 summer-2006, University of Pittsburgh, Department of Neuroscience, Honors undergraduate thesis advisor. Thesis: *Working Memory Impairment in Unipolar Depression on Difficult and Adaptive Tasks.* Also, undergraduate Brackenridge Fellowship mentor and 2005 spring, NIMH Undergraduate Research Fellowship Mentor. *Currently, Ph.D. student, Penn State University.*
- 5 Laura Taylor, 2005 summer, Penn State University, undergraduate research mentor. *Currently, medical resident.*
- 6 Elizabeth Berk, 2005 summer, Sarah Lawrence College, undergraduate research mentor
- 7 Mary Beth Heaton, 2006-2007, University of Pittsburgh, Honors undergraduate thesis advisor. Thesis: *Distinguishing Subtypes of Depression: Familial Versus Non-familial PDD*
- 8 Kyoko Kamishima, 2006-2007, University of Pittsburgh, Honors undergraduate thesis advisor. Thesis: *A Neurophilosophical Investigation of the Limits of fMRI.* *Currently neuroscience graduate student, Albert Einstein University.*
- 9 Mauri Cesare, 2006, University of Pittsburgh, undergraduate research mentor.
- 10 Lindsay Blazin, 2006-2007, University of Pittsburgh, Department of Neuroscience, honors undergraduate research mentor. *Currently medical student.*
- 11 Lopa Mahindi, 2007, University of Pittsburgh, Department of Psychology, Undergraduate research mentor
- 12 Kelly Snow, 2007, University of Pittsburgh, Interdisciplinary studies, Undergraduate research mentor
- 13 Patrick Ryan, summer 2008, Shadyside Academy, High school student, summer intern
- 14 Kelly Mallon, 2008, University of Pittsburgh, Department of Psychology, Undergraduate research mentor

- 15 Jeffrey Borrebach, summer 2008, Case Western Reserve University, Department of Mathematics, Undergraduate student, summer intern, *Currently Biostatistician, University of Pittsburgh Medical Center*
- 16 Amanda Collier, 2007-2009, University of Pittsburgh, Department of Psychology, NIMH Undergraduate research fellowship mentor. Undergraduate honors thesis advisor. *Graduated. Currently working as a research coordinator, University of Pittsburgh.*
- 17 Brittany Hayes, 2009-2011, University of Pittsburgh, Department of Psychology, Undergraduate directed research supervisor. *Graduated. Currently medical student*
- 18 Therezia Alchoufete, 2011-2012, University of Pittsburgh, Department of Neuroscience, Undergraduate directed research supervisor,
- 19 Alex Badia, 2011-2012, Chadham University, Department of Psychology, Undergraduate directed research supervisor,
- 20 William Bird, 2010-2013, University of Pittsburgh, Department of Psychology, Honors undergraduate directed research supervisor. *Currently research assistant University of Pittsburgh.*
- 21 Xiaoxiao Lee, 2011-2013, University of Pittsburgh, Department of Psychology, Undergraduate directed research supervisor, *Currently research assistant, Carnegie Mellon University.*
- 22 Rujuta Patil, 2013-2014, University of Pittsburgh, Department of Neuroscience, Undergraduate directed research supervisor
- 23 Emily Ottontowski, 2013-2014, University of Pittsburgh, Department of Neuroscience, Undergraduate directed research supervisor
- 24 Nick Stanley, 2013-2014, Carnegie Mellon University, Engineering, Undergraduate directed research supervisor
- 25 Megan Mann, 2014, University of Pittsburgh, Department of Neuroscience, Undergraduate directed research supervisor
- 26 Jahala Orsini, 2013-2015, University of Pittsburgh, Department of Psychology, Undergraduate directed research supervisor
- 27 Elizabeth Albuquerque, 2013-2015, University of Pittsburgh, Department of Psychology, Undergraduate directed research supervisor
- 28 Samantha Rosenberg, 2014-2016, University of Pittsburgh, Department of Psychology, undergraduate honors student, primary mentor
- 29 Rebecca Auren, 2017-2018, University of Pittsburgh, Department of Psychology, undergraduate research, primary mentor
- 30 Haley Dillon, 2017-2019, University of Pittsburgh, Department of Psychology, undergraduate research, primary mentor
- 31 Emily Riley, summer 2019, Frazier State University, Department of Psychology, undergraduate research, primary mentor
- 32 Noah Friedman, 2016-2019, University of Pittsburgh, Department of Bioengineering, undergraduate honors student, primary mentor

Predoctoral Graduate Students

Current

1. Marlene Strege, 2016-present, Virginia Technical University, Department of Psychology, doctoral student, primary summer mentor (2016) and ongoing research mentor (2018-)
2. Hannah Lawrence, 2018-present, University of Maine, Department of Psychology, doctoral student, dissertation consultant / secondary research mentor
3. Nicole Kouri, 2018-present, New School for Social Research, Department of Psychology, doctoral student, dissertation consultant
4. Sarah Herzog, 2018-present, New School for Social Research, Department of Psychology, doctoral student, dissertation consultant

Previous

- 1 Dana McMackin, 2006-2008, Duke University, Department of Psychology, Graduate Student, NRSA consultant, *Currently Associate Professor, Florida International University*
- 2 Marci Chew, 2006-2007, University of Pittsburgh Department of Pharmacology, Graduate Student, lab supervisor and dissertation consultant. *Currently pharmaceutical company.*
- 3 John Scott, 2005-2008, University of Pittsburgh Department of Public Health, Graduate student psychiatry mentor, *Currently pharmaceutical firm*
- 4 Desmond Oathes, 2004-2006, Pennsylvania State University, Department of Psychology, Graduate student, dissertation consultant. *Graduated Ph.D., currently post-doc, Stanford University*
- 5 Christine Larson, 2002-2003, University of Pittsburgh, Department of Psychiatry, Intern, mentor. *Graduated Ph.D., currently Associate Professor, University of Wisconsin, Milwaukee.*
- 6 Dongli Zhou, 2008-2010, University of Pittsburgh, Department of Statistics, Graduate student, secondary mentor. *Graduated with Ph.D., currently working as Sr. Principal Statistician at Forest Laboratories*
- 7 Dana Steidtman, 2005-2010, University of Kansas, Department of Psychology, Graduate student, dissertation consultant, *Graduated with Ph.D., Currently Senior Instructor, University of Colorado*
- 8 Naho Ichikawa, 2005-2007, 2008-2011, University of Pittsburgh Department of Psychiatry / Nagoya University, Graduate student, secondary mentor; primary mentor for visiting scholarship. *Graduated with Ph.D. Currently faculty, Hiroshima University.*
- 9 Kyung Hwa Lee, 2003-2011, University of Pittsburgh, Department of Psychology, Cognitive Neuroscience Graduate Student, Primary mentor. *Graduated with Ph.D. Currently Post-doctoral fellow at the University of Pittsburgh*
- 10 Rebecca Price, 2010-2011, Rutgers University, Department of Psychology / Intern University of Pittsburgh. Internship research mentor. *Graduated with Ph.D. Currently Assistant Professor at the University of Pittsburgh*
- 11 Rita Svetlova, 2008-2011, University of Pittsburgh, Department of Psychology, Clinical Psychology Graduate student, IGERT mentor, *Currently Fellow at the Max Plank Institute for Evolutionary Anthropology*
- 12 Benjamin Paul, 2008-2012, University of Pittsburgh, Department of Psychology, Clinical Psychology Master's student, primary mentor. *Graduated with master's. Currently Product Analyst, Niche.com*
- 13 Emily Belleau, 2011-2013, University of Wisconsin, Milwaukee, Department of Psychology, Clinical Psychology Graduate student, Thesis consultant
- 14 Xionan Liu, 2011-2014, Carnegie Mellon University, Department of Psychology, Psychology graduate student, secondary mentor
- 15 Darcy Mandell, 2008-2016, University of Pittsburgh, Department of Psychology, Clinical Psychology Graduate student, primary mentor, *Currently post-doc, Cleveland Clinic*
- 16 Min Zhang, 2016-2017, University of Pittsburgh, Department of Audiology, doctoral student, research mentor. *Currently post-doc University of Shanghai*
- 17 Ashley Doukas, 2016-2018, New School for Social Research, Department of Psychology, doctoral student, dissertation consultant.
- 18 Rachel Buckser, 2019, University of Pittsburgh, Department of Psychology, doctoral student

PostDoctoral Students

Current

1. Laurie Compere, 2018-present, University of Pittsburgh, Department of Psychiatry
2. Sarah Forster, 2018-present. VA Pittsburgh, Department of Psychiatry, Career Development Award Consultant

Previous

- 1 Bruce Smith, 2002, University of Pittsburgh, Department of Psychiatry, mentor, *Currently Assistant Professor of Psychology, Director: Health Psychology Program, Arizona State University.*

- 2 Erica Forbes, 2003-2004, University of Pittsburgh, Department of Psychiatry, mentor, *Currently Assistant Professor of Psychiatry, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine.*
- 3 Peter Gianaros 2003-2005, University of Pittsburgh, Department of Psychiatry, lab supervisor/consultant*, *Currently Professor of Psychology, University of Pittsburgh*
- 4 Jennifer Silk, 2004-2005, University of Pittsburgh, Department of Psychiatry, lab supervisor/consultant*, *Currently Assistant Professor of Psychiatry, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine.*
- 5 Tina Goldstein, 2006, University of Pittsburgh, Department of Psychiatry, K01-consultant*, *Currently Assistant Professor of Psychiatry, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine.*
- 6 Peter Franzen, 2004-2007, University of Pittsburgh, Department of Psychiatry, T32 post-doctoral fellowship co-mentor*, *Currently Assistant Professor of Psychiatry, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine.*
- 7 Michelle Horner, 2007-2010*, University of Pittsburgh, Department of Psychiatry, T32 post-doctoral fellowship mentor*, *Currently faculty, University of Pittsburgh.*
- 8 Judith Callan, Ph.D., 2007-2009, University of Pittsburgh, School of Nursing, T32 post-doctoral fellowship secondary-mentor*, *Currently faculty, University of Pittsburgh.*
- 9 Anita Barber, Ph.D., 2007-2010, University of Pittsburgh, Post-doctoral fellowship secondary-mentor, K01 proposed secondary-mentor, *Currently post-doc*
- 10 Neil Jones, 2006-2010*, University of Pittsburgh, Department of Psychiatry, mentor*. *Currently Assistant Professor of Psychiatry, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine.*
- 11 Andrea Stocco, 2008-2009, University of Pittsburgh, Department of Psychiatry, mentor. *Currently, post-doc, Carnegie Mellon University*
- 12 Dana McMakin, 2008-2010*, University of Pittsburgh, Department of Psychiatry, mentor*, *Currently Associate Professor Florida International University.*
- 13 Wessyl Kelly, 2011-2012, University of Pittsburgh, Department of Psychiatry, mentor, *Currently post-doc Children's Hospital, University of Pittsburgh*
- 14 Natalie Cort, 2011-2013, University of Rochester, Department of Psychiatry, academic consultant, *Currently faculty, Massachusetts School of Professional Psychology*
- 15 Rebecca Price, 2011-2013*, University of Pittsburgh, Department of Psychiatry, mentor, *Currently Assistant Professor of Psychiatry, Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine.*
- 16 Vinod Sharma, 2011-2014, University of Pittsburgh, Department of Psychiatry, mentor. *Currently post-doctoral fellow, University of Pittsburgh.*
- 17 Patricia Tan, 2010-2014*, University of Pittsburgh, Department of Psychiatry, co-mentor. *Currently Clinical Instructor, UCLA*
- 18 Kyung Hwa Lee, 2011-2017, University of Pittsburgh, Department of Psychiatry, secondary mentor.
- 19 Min Zhang, 2017, University of Pittsburgh, Department of Psychiatry, mentor. *Currently faculty University of Shanghai*
- 20 Jesse Soodalter, 2016-2019, University of Pittsburgh, Department of Medicine (palliative care), secondary mentor, *Currently faculty, Emory University*

* = transitioned to faculty following receipt of K-award – listed now under Junior Faculty mentees.

Medical Students and Residents

Current

1. Shan Gao, 2016-present, Medical Resident Research Track, University of Pittsburgh, Department of Psychiatry, Research Project Mentor

Previous

- 1 Michelle Horner, 2006-2007, Resident, University of Pittsburgh, Department of Psychiatry, Research mentor, currently faculty, University of Pittsburgh School of Medicine
- 2 Dalia Balsalmo, 2007, Medical Student, University of Pittsburgh, Department of Psychiatry, summer project co-mentor
- 3 Vikas Kumar, 2006-2009, Medical Student, University of Pittsburgh, Department of Psychiatry, Reynolds Fellowship mentor – summer project mentor
- 4 David Atkinson, 2007-2010, Medical Student, University of Pittsburgh, Department of Psychiatry, summer project and research track mentor
- 5 Neilly Buckalew, 2009-2010, Medical/Graduate student, 2012-2015, Medical Resident, University of Pittsburgh, Department of Physical Medicine and Rehabilitation, Research mentor
- 6 Erik Loraas, 2016-2018, Medical Resident Research Track, University of Pittsburgh, Department of Psychiatry, Research Project Mentor
- 7 David Rabin, 2013-2018, Medical Student – Dedre Scholar, Albany Medical College, 2015-present, Medical Resident Research Track, University of Pittsburgh, Department of Psychiatry, Research Mentor

Junior Faculty mentees

Current

1. Kym Young, 2014-present, Laureate Institute for Brain Research / Oklahoma University and University of Pittsburgh, Department of Psychiatry, 2014-2016 – K99/R00 co-mentor, 2016-present, ongoing professional development mentor
2. Min Zhang, 2017-present, University of Shanghai, faculty mentor.

Previous

- 1 Peter Gianaros, Ph.D. 2004-2009, Assistant Professor, University of Pittsburgh, Department of Psychiatry, K01 consultant.
- 2 Tracy Dennis, Ph.D., 2005-2010, Assistant Professor, Hunter College, K01 consultant
- 3 Wesley Thompson, Ph.D., 2005-2011, Assistant University of Pittsburgh Department of Psychiatry, imaging supervisor/K01 consultant. Currently Assistant Professor of Psychiatry, University of California San Diego / San Diego VA Hospital.
- 4 Jennifer Silk, Ph.D., 2005-2011, Assistant Professor, University of Pittsburgh, Department of Psychiatry, NARSAD mentor / K01 consultant.
- 5 Tina Goldstein, Ph.D., 2006-2011, Assistant Professor, University of Pittsburgh, Department of Psychiatry, lab supervisor/ K01 consultant
- 6 Alexandre Dombrowski, M.D., 2007-2014, Assistant Professor, University of Pittsburgh, Department of Psychiatry, lab supervisor/ K01 Co-mentor, ongoing professional development mentor
- 7 Peter Franzen, Ph.D., 2007-2017, Assistant Professor, University of Pittsburgh, Department of Psychiatry, 2007-2012, K01 secondary mentor, 2012-present, ongoing professional development mentor
- 8 Dara Sakolsky, M.D., 2008-2011, Assistant Professor, University of Pittsburgh, Department of Psychiatry, proposed K23 consultant.
- 9 Dana Rofey, M.D., 2008-2013, Assistant Professor, University of Pittsburgh, Children's Hospital, lab supervisor / proposed K01 consultant.
- 10 Samay Jain, M.D., 2008-2013, Assistant Professor, University of Pittsburgh, Department of Neurology, lab supervisor / K01 consultant.
- 11 Carmen Andreescu, M.D., 2008-2013, Assistant Professor, University of Pittsburgh, Department of Psychiatry, K01 Co-mentor
- 12 Judith Callan, Ph.D., 2009-2014, Assistant Professor, University of Pittsburgh, School of Nursing, K12 secondary-mentor

- 13 Dana McMakin, 2010-2012, University of Pittsburgh, Department of Psychiatry, co-mentor.
- 14 Stephanie Stepp, Ph.D., 2010-2015, Assistant Professor, University of Pittsburgh, Department of Psychiatry, K01 co-mentor.
- 15 Carla Mazefsky, Ph.D., 2010-2015. Assistant Professor, University of Pittsburgh, University of Pittsburgh, Department of Psychiatry, lab supervisor / K01 co-mentor.
- 16 Neil Jones, 2010-2016, University of Pittsburgh, Department of Psychiatry, K-award mentor.
- 17 Rebecca Price, 2013-2018, University of Pittsburgh, Department of Psychiatry, K-award mentor.
- 18 Nicholas Forand, 2014-2016, Ohio State University, Department of Psychiatry, K-award consultant

Dissertation, and Graduate Thesis Committees

1. Susan Petran, 2001-2003, Doctoral Student, University of Missouri-Kansas City, Department of Psychology
2. Sharon Nau, 2003, Master's student, University of Strathclyde, Department of Psychology, Department of Psychology
3. Elizabeth Wheeler, 2003-2006, Doctoral Student, University of Pittsburgh, Department of Psychology
4. Amy Overman, 2004-2006, Doctoral Student, University of Pittsburgh, Department of Psychology
5. Christopher May, 2005, Doctoral Student, University of Pittsburgh, Department of Psychology
6. Kyung Hwa Lee, 2003-2011, Doctoral Student, University of Pittsburgh, Department of Psychology
7. Sandra Sagrati, 2005-2012, Doctoral Student, University of Toronto, Department of Psychology
8. Karin Cox, 2005-2007, Doctoral Student, University of Pittsburgh, Department of Psychology
9. John Scott, 2005-2008, Doctoral Student, University of Pittsburgh, Department of Public Health
10. Doreen Olvet, 2008-2009, Doctoral Student, University of New York, Stonybrook, Department of Psychology
11. Ian Reed, 2007-2009, Doctoral Student, University of Pittsburgh, Department of Psychology
12. Tsunhin Wong, 2008-2009, Master's Student, University of Pittsburgh, Department of Psychology
13. Nicole Hill, 2007-2010, Doctoral Student, University of Pittsburgh, Department of Psychology
14. Margarita Svetlova, 2008-2011, Doctoral Student, University of Pittsburgh, Department of Psychology
15. Dongli Zhou, 2008-2011, Doctoral Student, University of Pittsburgh, Department of Statistics
16. Danielle Novick, 2008-2011, Doctoral Student, University of Pittsburgh, Department of Psychology
17. Benjamin Paul, 2010-11, Doctoral Student, University of Pittsburgh, Department of Psychology
18. Matthew Hyett, 2015, Doctoral Student, University of Perth, Department of Psychology
19. Darcy Mandell, 2010-2016, Doctoral Student, University of Pittsburgh, Department of Psychology
20. Min Zhang, 2016-2017, Doctoral Student, University of Pittsburgh, Department of Audiology
21. Marlene Strege, 2017-, Doctoral Student, Virginia Tech, Department of Psychology

Doctoral Comprehensive Exam Committees

- 1 Elizabeth Tricomi, 2004, Psychology, University of Pittsburgh, Department of Psychology
- 2 David Halpern, 2004, Psychology, University of Pittsburgh, Department of Psychology
- 3 Elizabeth Wheeler, 2003, Psychology, University of Pittsburgh, Department of Psychology
- 4 Kyung Hwa Lee, 2007, Psychology, University of Pittsburgh, Department of Psychology
- 5 Jeffrey Phillips, 2008-2010, University of Pittsburgh, Department of Psychology
- 6 Margarita Svetlova, 2010, University of Pittsburgh, Department of Psychology

RESEARCH

CURRENT

Note: Dollar amounts represent current year total direct costs only.

It is useful for NIH funds to not exceed 95% to allow time for mentoring activities. So 5% salary is supported through WPIC. Under NIH rules, full NIH funding would require that no effort be devoted to

activities not directly related to funded projects.

Grant Number Sponsor PI	Title	Role Calendar Months	Years	Amount Direct (Indirect)
5 R33 MH106591 NIMH Siegle	Graduated Sensory Salience as an Intervention for Intrusive Negative Thinking	PI 3.00 (25%)	2015 - 2021	\$227,810 (\$128,713)
5 R01 MH108509-02 NIMH Andreescu	Functional Neuroanatomy Correlates of Worry in Older Adults	Co-Investigator 0.3 (2.5%)	2016 - 2021	\$281,963.00 (\$122,528)
1 R01 AA025626 NIAAA Hasler	Proximal Prospective Associations between Circadian Alignment, Reward Function and Alcohol Use in Adolescents	Co-Investigator 0.96 (8%)	2017 - 2022	\$375,904 (\$200,799)
1 R61 MH115927-01 NIMH Young	Amygdala rtfMRI Neurofeedback for Treatment Resistant Depression	Co-Investigator 1.20 (10%)	2018 - 2023	\$429,416 (\$170,896)
1 R01 DA044143 NIDA Hasler	Delayed Sleep Phase and Risk for Adolescent Substance Use	Co-Investigator 1.20 (10%)	2018 - 2023	\$376,372 (\$212,650)
1 R01 MH112819-01A1 NIMH Rohan	Optimizing Long-Term Outcomes for Winter Depression with CBT-SAD and Light Therapy: Confirming the Targets, Mechanisms, and Treatment Sequence	Co-Investigator 0.60 (5%)	2018 - 2023	\$94,161 (\$53,044)
1 R01 MH113576 NIMH Gotham	Repetitive Thinking and Emotional Health in Adults with ASD	Co-Investigator 1.20 (10%)	2018 - 2023	\$13,623.00
R01 NIMH Young	Using fMRI of Autobiographical Memory Recall to Determine Risk and Resilience Endophenotypes in Young Adults at High Risk for Major Depressive Disorder	Co-Investigator 0.60 (5%)	2018 - 2023	\$423,649.00 (\$185,107)

---	Increasing Affective Range: The Restricted Affect and New Growth Experiences Retreat (RANGER) Study	PI 2.4 (20%)	2019 - 2021	\$1,820,178.00 (\$182,017)
OM Institute Foundation Siegle / Prause				

PENDING

Grant Number Sponsor PI	Title	Role Calendar Months	Years	Amount
--	--------------	---------------------------------	--------------	---------------

Pending NIMH Siegle/Young	Neurofeedback to Address Cingulate Reactivity before Cognitive and SSRI Therapies	PI 4.00	2020 - 2025	
--	---	------------	-------------	--

Pending NIMH Fani / Siegle	Vibroacoustically-augmented Mindfulness for Dissociative Traumatized Individuals: Targeting Attention and Interoceptive Networks	PI 4.00	2020 - 2025	
---	---	------------	-------------	--

COMPLETED

Note: Dollar amounts represent total direct costs for the grant period

Grant Number Sponsor PI	Title	Role Calendar Months	Years Inclusive	Amount
--	--------------	---------------------------------	----------------------------	---------------

---	Affective Interference: Cause for Negative Attention Biases in Depression	PI	1998 - 1999	\$100.00
Sigma Xi Siegle				

---	Neurocognitive and Affective Components of Schizophrenia	Co-Investigator 1.20 (10%)	2000 - 2004	
Department of Veterans Affairs Steinhauer				

R01 MH55762-04 NIMH Steinhauer	Components of Pupillary Dilation and Cognition	Co-Investigator 0.60 (5%)	2000 - 2003	
---	---	------------------------------	-------------	--

---	Physiological and Neuroimaging Assessment of Emotional Information Processing in Depression	PI 2.40 (20%)	2001 - 2002	
Veteran's Research Foundation Siegle				

---	Affective Neuroscience of Emotion and Conflict Processing in Depression	PI 2.40 (20%)	2001 - 2003	\$60,000.00
NARSAD				
Siegle				
1K01MH/NS64159	Affective Information Processing in Depression	PI 12.00 (100%)	2002 - 2007	\$630,054 (\$49,287)
NIMH				
Siegle				
---	Conditions eliciting enhanced and decreased amygdala activity to emotional faces	PI	2003 - 2004	
UPMC Pilot Neuroimaging Program				
Siegle				
---	Changes in Emotional Processing Following A Cognitive Control Training Intervention for Depression	PI 2.40 (20%)	2003 - 2004	
WPIC Mental Health Intervention Research Center				
Siegle				
N00014-05-1-0881	Mapping Brain Architecture and Processes Supporting Experience Based Cognition	Co-PI 1.20 (10%)	2005 - 2007	
\$1,100,000.00 DARPA				
Schneider				
2 R01 MH61566	Sleep Neuroscience in Depression	PI 0.60 (5%)	2005 - 2010	\$1,553,965 (\$753,673)
NIMH				
Siegle				
1 R01 MH076079-01	Altered Functioning of Cognitive and Affective Circuits in Late-Life Depression	Co-Investigator 0.24 (2%)	2006 - 2011	\$1,024,974 (\$446,829)
NIMH				
Aizenstein				
1 R01 MH55762-04	Components of Pupillary Dilation and Cognition	Co-Investigator 0.36 (3%)	2006 - 2011	\$836,078 (\$397,902)
NIMH				
Steinhauer				
1R01 MH074807	Functional Neuroanatomy of Recovery from Depression	PI 3.42 (28.5%)	2006 - 2011	\$1,146,643 (\$478,153)
NIMH				
Siegle				

1 DP2 OD001210-01 NIMH Szigethy	Understanding & Treating Neuropsychiatric Symptoms of Pediatric Physical Illness	Co-Investigator 0.36 (3%)	2007 -2012	\$1,500,000.00
1 R01 MH076971 NIMH Phillips	Toward the identification of biomarkers of bipolar disorder	Co-Investigator 0.06 (0.5%)	2007 - 2012	\$272,222 (\$132,028)
MH056888 NIMH Pilkonis	Interpersonal Functioning and Emotion in Borderline Personality	Co-Investigator 0.84 (7%)	2007 - 2012	\$2,026,078 (\$982,647)
--- WPIC Pilot Neuroimaging Program Siegle	Physiological and brain correlates of spreading activation in semantic networks during worry and rumination	PI	2007 - 2007	
--- UPMC Pilot Neuroimaging Program Siegle	Effects of emotion regulation on anterior cingulate cortex activity to performance feedback	PI	2007 - 2007	
R21 DA024144 NIMH Silk	Emotion regulation in adolescents: A social affective neuroscience approach	Co-Investigator 0.48 (4%)	2008 - 2011	\$297,000.00
P50MH080215 NIMH Siegle, Project PI,	Cognitive and affective features of youth anxiety: From brain mechanisms to recovery, Project #1 in CIDAR (Ryan): Transdisciplinary Studies of CBT for Anxiety in Youth & Methods Core	Project PI 4.20 (25%)	2008 - 2013	\$6,522,414 (\$3,023,767)
--- DARPA Schneider, Siegle	Warfighter Affect Management: Connectome Based Prevention and Treatment of PTSD	Co-PI 3.60 (30%)	2008 - 2009	\$400,000.00
K02 KMH082998A NIMH	Translational Neuroimaging in Unipolar Depression: Towards Personalized Treatment	PI 12.00 (100%)	2008 - 2013	\$88,637.00

Siegle

M2007-0114 Imaging Antidepressant vs. Cognitive PI 2008 - 2010 \$66,432.00
Pittsburgh Foundation, Behavior Therapy Effects on Unipolar 4.00 (33.3%)
Emmerling Fund Depression

Siegle

1 FDN FAM00013-01 Neurobiology of Inhibitory Control in Co-Investigator 2008 - 2010 \$72,250
American Foundation Late-Life Suicide 0.24 (2%)
for Suicide Prevention
Dombrowski

1 R01 MH091327 Puberty and Threat/Reward Co-Investigator 2010 - 2015 \$498,333.00
NIMH Processing: the Trajectory from 1.56 (13%)
Anxiety to Depression
Silk

5 P01 AG020677 Aging Well, Sleeping Efficiently Project MPI 2010 - 2016 \$6,098,844
NIA (Project 2: Emotional Cues and Stress 1.20 (10%)
as Probes of Hyperarousal in Older
Adults with Insomnia)
Buysse Center PI

--- Sleep Disturbance in Youth with Co-Investigator 2010 - 2014 \$200,000
Pittsburgh Foundation Bipolar Disorder at High Risk for 0.60 (0.5%)
Suicide: Effects on Neuronal Circuitry
Franzen Underlying Emotion Regulation and
Psychological Stress Reactivity

--- Blunted and Discordant Affect: A PI 2011 - 2012 \$60,000.00
University of Transdiagnostic Construct in 2.40 (20%)
Pittsburgh School of Psychopathology
Medicine Bridge Fund
Siegle

--- Clinically Accessible Assessment of PI 2012 - 2013
University of Dopamine System Reactivity
Pittsburgh MR Center
Siegle

4 R01 MH096334-05 Blunted and Discordant Affect: A PI 2012 - 2018 \$2,439,258

NIMH	Transdiagnostic Construct in Psychopathology	1.68 (14%)			(\$549,995)
Siegle/D'Andrea					

5 R21 MH102412-02	Dimensional Sleep Disturbance in Relation to Positive/Negative Affect Systems	Co-Investigator	2014 - 2016	\$275,000	
NIMH		0.60 (0.5%)		(\$116,862)	
Buysse					

---	Emoto	PI	2016 - 2017	\$25,000.00	
PINCH		1.20 (10%)			
Siegle					

---	Emotion Prosthetics	PI	2016 - 2016	\$8,000.00	
University of Pittsburgh First Gear Competition					
Siegle					

ENDING IN THE CURRENT PERIOD

Note: Dollar amounts represent direct costs for the current year only

5 P50 DA009241-24	Psychotherapy Development Research Center	Co-Investigator	2014 -11/2019	\$23,334	
NIDA		1.44 (12%)		(\$12,600)	
Carroll					

5 R00 MH101235-04	Effects of Amygdala Neurofeedback on Depressive Symptoms and Processing Biases	Co-I	2016 - 2019	\$156,065	
NIMH		0.30 (2.5%)		(\$84,951)	
Young					

---	Psychophysiology of Somatically Facilitated Meditation	PI	2016 - 2018	\$58,264	
One Taste Foundation		2.40 (20%)			
Siegle					

PINCH Innovation Competition	Emotion Prosthetics	PI	2017 - 2018	\$125,000	
University of Pittsburgh		0.96 (8%)			
Siegle					

1 R21 MH112770-01 NIMH Price	Testing the Causal Role of Orbitofrontal Cortex in Human Compulsive Behavior: a Non-invasive Brain Stimulation Study	Co-I 0.48 (4%)	2017 - 2019	\$150,000 (\$57,325)
--	--	-------------------	-------------	-------------------------

Performance Innovation Tournament University of Pittsburgh Innovation Institute Siegle	Emotion Prosthetics for Stress Recovery PI	0.96 (8%)	2018 -9/2019	\$70,000.00
---	--	-----------	--------------	-------------

5 R00 MH101235-04 NIMH Young	Effects of Amygdala Neurofeedback on Depressive Symptoms and Processing Biases	Co-I 0.30 (2.5%)	2016 - 2019	\$151,023 (\$84,951)
--	--	---------------------	-------------	-------------------------

Patents Granted

1. Patent application, PCT/US2017/025702 Regulatory Device and Associated Method. Applicants: **Siegle, GJ, Rabin, DM**

Editorships, journal Refereeing, study Section memberships, grant reviewing

Ad hoc Editorial Reviews for <i>American Journal of Psychiatry, Archives of General Psychiatry, Behavioral Neuroscience, Biological Psychiatry, Biological Psychology, Brain and Cognition, Cognition and Emotion, Cognitive, Affective, and Behavioral Neuroscience, Cognitive Therapy and Research, Clinical Psychology Review, Cognitive Processing, Emotion, European Journal of Neuroscience, Human Brain Mapping, IEEE Engineering in Medicine and Biology, International Journal of Psychophysiology, Journal of Abnormal Psychology, Journal of Affective Disorders, Journal of Consulting and Clinical Psychology, Journal of Experimental Psychology – Applied, Lancet, Neuroimage, Psychological Assessment, Psychiatry Research – Neuroimaging, Psychophysiology</i>	1994-present (too many to list individually)
Web Master, Cognitive Clinical Assessment Lab, San Diego State University	1995-1999
Notes and Announcements Editor, <i>Cognitive Therapy and Research</i>	1996- 2003
Web Master, <i>Cognitive Therapy and Research</i> , currently a supplemental information site	1996- 2003
Web Master, Connectionist Models of Cognitive, Affective, Brain, and Behavioral Disorders	1998-present
Editorial board, <i>Cognitive Therapy and Research</i>	1999-2006
Ad hoc reviewer, WPIC research committee	1999-present
Ad hoc reviewer, VA Pittsburgh research committee	2000-2008
Ad hoc reviewer for various foundation grants and protocols including Ontario Mental Health Foundation, University of Wisconsin Milwaukee Research Growth Initiative, Hospital for Sick Children Foundation in Toronto, VA VISN grants, Ethel F. Donaghue Women’s Health Investigator Program at Yale University, NIH intramural protocols, University of Pittsburgh Psychology Department protocols	2002-present

Guest Editor of special issue on Depressive Rumination for <i>Cognitive Therapy and Research</i>	2003
Reviewer for 7 th International Conference on Knowledge-Based Intelligent Information & Engineering Systems	2003
NIH Study section (BDCN-2) ad hoc reviewer	2003-2004
WPIC seed grant committee (<i>committee largely defunct since 2009</i>)	2003-present
Editorial board, <i>Journal of Consulting and Clinical Psychology</i>	2004-present
NIDA Study section – Neuroscience of Behavioral Interventions RFA	2005
NIDA Study Section – Social Neuroscience RFA	2006
Associate Editor, <i>Cognitive Therapy and Research</i>	2006-2007
Consulting Editor, <i>Journal of Abnormal Psychology</i>	2006-present
NIMH Study Section – Translational Research in the Relationship of Anxiety and Depression RFA	2007, 2x, 2008, 1x
Chair, <i>Society for Psychophysiological Research</i> Student Fellowship Award establishment committee	2007-2008
Associate Editor, <i>Encyclopedia of Depression</i>	2007-2008
Member, NIMH Study Section (ZRG1 F12B) Psychopathology, Developmental Disabilities, Stress and Aging Fellowship Study Section	2007-2011 (~3 mtgs/year)
Member, <i>Society for Psychophysiological Research</i> Student Fellowship Award committee	2008
Co-chair, <i>Society for Psychophysiological Research</i> Student Fellowship Award committee	2008-2009
Ad hoc reviewer – NIH ITVA ARRA Challenge supplement Study Section	2009
Ad hoc reviewer – NIH Challenge Study Section (ZRG1 RPHB-E (58) R)	2009
Attendee, NIH <i>Science of Behavior Change</i> Planning meeting	2009
Editorial Board, Pittsburgh Brain Activity Interpretation Competition (2009) - Inferring Connectivity from neuroimaging contest. Workshop and awards presented at the meeting of the Organization for Human Brain Mapping, Chicago, IL.	2009
Ad hoc reviewer – NIMH Study Section ZRG1 BBBP-R (50)R – Science of Behavior Change RFA	2010
Ad hoc reviewer – NIMH Study Section ZMH1 ERB-L-04 Biobehavioral Research Awards for Innovative New Scientists (BRAINS) RFA	2011
Member – NIH Study Section APDA – Adult Psychopathology and Disorders of Aging	2011-2015
Ad hoc reviewer – NIMH Study Section convened to review applications submitted under PAR 11-177, Translational Research for the Development of Novel Interventions for Mental Disorders	2012, 2013
Ad hoc reviewer - NIMH Study Section convened to review applications submitted under RFA-MH-14-030, Advancing Eating Disorders Research through Dimensional Studies of Biology and Behavior	2013
Ad hoc reviewer –ZRG1 BBBP-V (02) M - Member Conflict: Child Psychopathology and Developmental Disabilities	2014
Ad hoc reviewer – NIH Study Section convened to review applications submitted under the SBIR/STTR program	2015
Ad hoc reviewer – Tufts University Center for Applied Brain and Cognitive Sciences (CABCS) pilot program	2015
Ad hoc reviewer – NIMH Study Section convened to re view applications submitted under RFA H-15-110, Longitudinal Assessment of Post-traumatic Syndromes (U01)	2015
Ad hoc reviewer – NIMH Study Section convened to re view applications submitted under RFA MH-15-300/MH-16-406 Exploratory clinical trials of novel interventions for mental disorders (R61/R33; was R21/R33)	2015, 2016
Ad hoc reviewer – NIH Study Section APDA – Adult Psychopathology and Disorders of Aging	2016
Ad hoc reviewer – NCCIH Study Section convened to review applications submitted under	2016

RFA-AT-16-005 Phased innovation award for mechanistic studies to optimize mind and body interventions in NCCIH high priority research topics (R61/R33)	
NIH Study Section ZRG1 RPHB-W: NIH Director's Early Independence Award Review	2017
NICCH Study Section ZAT1 YW Mechanistic Studies to Optimize Mind and Body Interventions in NCCIH High Priority Research Topics (R33/R61)	2017-2019
Chair, NIMH Study Section Early Stage Testing of Pharmacologic or Device-based Interventions for the Treatment of Mental Disorders 2017/10 ZMH1 ERB-D (08) S, 3 meetings	2017-present
Chair NIMH Study section ZMH1 ERB-D 04 R, Early phase and career development – Pathophysiology and Clinical trials (R61/R33)	2018
Chair, ZRG1 IFCN-Y (03) M - Member Conflict: Learning, Memory and Cognition	2018
Co-Chair NIMH Study Section for RFA-MH-19-242 Computational approaches for validating dimensional constructs of relevance to psychopathology	2019
Chair, NCCIH Study section for ZAT1 PJ05, Promoting Research in Music and Health	2019
Member, NIGMS Support of Competitive Research (SCORE) Program Special Emphasis Panel	2019

Research Interests and Clinical Work.

My research program investigates cognitive and physiological mechanisms associated with individual differences in emotional information processing in depression and related conditions, from basic research to understanding recovery, and the creation of neuroscience-based interventions. This process has involved using biologically motivated computational neural network models as hypothesis generation tools, and empirical testing in which depressed and never-depressed individuals are evaluated on information-processing tasks, during behavioral, physiological, and neuroimaging assessment as well as meta-analytic research syntheses. We assess people during acute episodes and during and after recovery, in traditional and new neuroscience-derived mechanistically targeted treatments. Physiological assessment techniques include pupillary motility, eyetracking, electroencephalography (EEG) and event-related potentials (ERPs), electromyography (EMG), galvanic skin response, heart rate, heart rate variability, and respiration. Neuroimaging assessments primarily include PET and fMRI. Current primary collaborators include Kym Young, Ph.D., Rebecca Price, Ph.D., Wendy D'Andrea, Ph.D., Nicole Prause, Ph.D., Negar Fani, Ph.D., Peter Franzen, Ph.D., Brant Hasler, Ph.D., Margee Kerr, Ph.D. My current clinical involvement regards interacting with patients in clinical trials of novel non-pharmacological interventions (e.g., novel cognitive training paradigms, psychoreactive vibroacoustic stimulation).

Invited Addresses, Seminars, and Lectureships

Invited Addresses

- 1 A neural network model of affective interference in depression. *International Workshop on Neural Network Models of Cognitive and Brain Disorders*, College Park, MD, 1998.
- 2 fMRI Correlates of Sustained Affective Information Processing in Depressed and Never-depressed Individuals. *Human Brain Mapping meeting*, Sendai, Japan, 2002.
- 3 From brain activity to intervention. Workshop: *Advances in the Treatment of Mood Disorders*, Pittsburgh, PA, March 2004,
- 4 Sustained emotional reactivity in depression: From brain activity to intervention. Workshop: *Cognitive and Affective Neuroscience and behavioral treatment development: New directions for translational research*, National Institute for Drug Abuse workshop, Bethesda, MD, 2004.
- 5 From brain imaging to intervention: Sustained emotional reactivity in unipolar depression. Keynote Address to the *Japanese Society for Research on Emotions*, Nagoya, Japan, May 2005.
- 6 From fMRI to intervention for unipolar depression, *Samuel Sutton Lecture*, New York Psychiatric Institute, New York, 2006.

- 7 Emotional reactivity in depression: From imaging to intervention. *Presentation at the Office of Behavioral and Social Sciences 10th Anniversary Celebration*. Bethesda Maryland, 2006.
- 8 Neuroscience of recovery from unipolar depression. Workshop: *Advances in the Treatment of Mood Disorders*, Pittsburgh, PA, March 2007.
- 9 Emotional reactivity in depression: From affective neuroscience to personalized treatment, Joseph Zubin Memorial Award Lecture, Columbia University School of Medicine, New York, NY, May 2008.
- 10 Depressive rumination: From attentional mechanisms to clinical intervention. Workshop: *Neurobiological Perspectives on Attention Processes related to Depression*, December 2008, Ghent, Belgium.
- 11 Using affective neuroscience to personalize treatment for unipolar depression: Intersections with social and personality psychology. Meeting of the Society for Personality and Social Psychology, Emotion Preconference. Tampa, FL, February 2009.
- 12 Combining therapy and medications. Workshop: *Advances in the Treatment of Mood Disorders*, Pittsburgh, PA, March 2009.
- 13 Using neuroscience in your practice. Workshop: *Advances in the Treatment of Mood Disorders*, Pittsburgh, PA, March 2009.
- 14 Towards personalized treatment, *European College of Neuropsychopharmacology*, Istanbul, Turkey, September 2009.
- 15 Neuroimaging of Cognitive Behavioural Therapy for depression and anxiety:
- 16 Neuroimaging and neural mechanisms that may be involved in Cognitive Therapy. *Research Forum: American Academy of Child and Adolescent Psychiatry*, Honolulu, Hawaii, November 2009.
- 17 What aspects of depression are we treating: First insights from the Clinician Accessible Neuroimaging (CAN) Project. Workshop: *Advances in the Treatment of Mood Disorders*, Pittsburgh, PA, March 2010.
- 18 What parts of depression are we treating? Emerging neuroscience and first insights from the “Clinician Accessible Neuroimaging (CAN)” project. *Norman S. Greenfield Memorial lecture*, University of Wisconsin, Madison, WI. June 2010. Available web: <http://www.youtube.com/user/vbalchen>
- 19 The Transdisciplinary Research in Emotion, Neuroscience, and Development (TREND) Artist in Residence Program. Invited lecture for the Society for Contemporary Craft, Pittsburgh, PA, 2011.
- 20 Depression subtypes: Neuroscience perspectives/ Workshop: *Advances in the Treatment of Mood Disorders*, Pittsburgh, PA. November 2011. Available web: <http://www.upmcpphysicianresources.com/cme-presenter/greg-j-siegle-phd>
- 21 Wherefore art thou depression clinic of the future: From today’s cognitive neuroscience to tomorrow’s clinic. *G Kirby Collier Memorial lecture*, University of Rochester, New York, May 2012.
- 22 The promise of crowd-sourcing and artificial intelligence in psychiatric neuroscience. Keynote lecture at the AAAI Fall Symposium Meeting *Machine Aggregation of Human Judgment*. Arlington, VA, November 2012.
- 23 Neural pathways paved with good intentions: Precision medicine in next-generation depression and anxiety clinics. Keynote Research Symposium. *Anxiety and Depression Association of America*, San Diego, CA, April 2013.
- 24 The neuroscience of contemplative practices. *When God Talks Back*. Pittsburgh, PA, May 2014.
- 25 Blunted and discordant affect sensitivity syndromes: Multiple routes to shutting down. *25th International Trauma Conference*, Boston, MA, May 2015.
- 26 The neuroscience of letting go. *The Orgasm Symposium*. Pittsburgh, PA, 2015,
- 27 The neuroscience of letting go. Positive affect preconference, Meeting of the Society for Affective Science, Chicago, IL, April 2015,

- 28 Cognitive neuroscience in the next generation psychiatry clinic, Virginia Tallow MD Memorial lecture, Northwestern University, Chicago, IL, September 2015,
- 29 Tailored interventions for individual differences in mechanisms of emotion dysregulation. *Purdue symposium on psychological sciences*. Purdue University, La Fayette, IN., May, 2016.
- 30 Cognitive and brain processes: How to improve interventions by targeting these mechanisms directly. Invited presentation to the National Institute on Aging meeting, *Modifying facets of personality in midlife to promote well-being and healthier aging*. Bethesda, MD, June, 2016.
- 31 Precision medicine made practical: The case for cost-optimized sequential assessment prognostic algorithms (COSAPAs). Invited presentation to the Treatment Selection Idea Lab, University of Pennsylvania, Philadelphia, PA, June, 2016.
- 32 Emotion prosthetics: New tools for augmenting cognition under stress. Keynote address to Ghent University conference *Improving resilience and well-being in depression: The development of innovative neurocognitive interventions*, Ghent, Belgium, May, 2017.
- 33 Beyond predicting non-response: Adding pretreatments and augmentations to the trial selection landscape. Invited presentation to the Treatment Selection Idea Lab, University College, London, June, 2018.
- 34 Targeting cognitive and affective processes in behavioral development research: Perspectives on the basic to clinical journal in psychological science. Invited address for the OBSSR Director's Webinar Series, On Line, June 2018
- 35 Neuroscience of Cognitive Therapy for Depression. Invited presentation to the Beck Excellence Summit, Philadelphia, PA, August 2018
- 36 Using affective neuroscience to address predicted barriers to depression treatment response, Invited address to the European Congress of Neuropsychopharmacology, Barcelona, October, 2018
- 37 Emotion Waves: From computational models to psychiatric interventions. Invited address to the Center for the Neural Basis of Cognition Annual retreat, Ohiopyle, PA, June, 2019
- 38 Emotion Waves. Frijda Lecture, ABC symposium, University of Amsterdam, Amsterdam, Netherlands, June 2019
- 39 Rumination and Worry. Mental Health Institute Lecture Series. University of Pittsburgh, Pittsburgh, PA October 2019

Invited Seminars

- 1 Sustained Affective Reactivity in Depression: Where's the Off-switch, Southern Methodist University, October 2002.
- 2 Sustained Amygdala Activity in Depression, University of West Virginia, September 2002.
- 3 Rumination, worry, and fMRI-derived emotional information processing biases in depression and anxiety, Stanford University, January, 2003
- 4 Sustained Amygdala Activity in Depression: Where's the Off Switch, Stanford University, January, 2003.
- 5 Concurrent Pupil dilation and fMRI. Now that we've got it, what do we do with it? University of California, San Diego, January, 2003.
- 6 Out of sight into mind: Visual processing of emotional information in depression, London Vision Colloquium, City University, London, April, 2004.
- 7 Sustained emotional reactivity in depression: From brain activity to intervention. University of California, San Diego, October, 2004.
- 8 Sustained emotional reactivity in depression: From brain activity to intervention. Penn State University, October, 2004.
- 9 Sustained emotional reactivity in depression: From brain activity to intervention. North Dakota State University, December, 2004.
- 10 From brain activity to intervention: Sustained emotional reactivity in depression, MIRECC Speaker series, VA Pittsburgh, January 2004.

- 11 From fMRI to intervention: Sustained emotional reactivity in unipolar depression, lecture to the Brain Imaging Research Center, Pittsburgh, January 2004.
- 12 Emotional reactivity and regulation in unipolar depression: Neural correlates through the lifespan Child and Adolescent Psychiatry Colloquium, University of Pittsburgh School of Medicine, March, 2005
- 13 From brain imaging to intervention: Sustained emotional reactivity in unipolar depression, lecture to the Department of Psychology, University of Kansas, April 2005
- 14 Using cognitive neuroscience to predict recovery in cognitive therapy for depression – lecture to Psychology students at the University of Nagoya, Japan, May 2005
- 15 Imaging and behavior or Why should intervention researchers care about imaging when they can observe behavior? Lecture to WPIC Mental Health Intervention Research Center, May 2005.
- 16 fMRI of unipolar depression: From the scanner to the clinic, lecture to WPIC residents as part of a workshop on imaging of emotional disorders, September, 2005.
- 17 From the scanner to the clinic: Using fMRI and assessment of pupil dilation to inform treatment for unipolar depression, Grand rounds, New Jersey Neuroscience Institute, January 2006
- 18 Sustained emotional reactivity in unipolar depression: From fMRI to intervention, Grant rounds, Beth Israel Hospital, New York, February, 2006
- 19 Emotional reactivity and regulation in unipolar depression: From the scanner to the clinic, colloquium, Ohio State University, Department of Psychology, October, 2006.
- 20 Mood under the hood: Brain mechanics of dynamic changes in mood, Grand Rounds, Western Psychiatric Institute and Clinic, January 2007.
- 21 Emotional reactivity in unipolar depression: From fMRI to intervention, colloquium, SUNY Stony Brook, March 2007.
- 22 Translational neuroimaging in depression: Towards personalized treatment, Grand Rounds, University of Pennsylvania School of Medicine, September, 2007.
- 23 Translational neuroimaging in depression: Towards personalized treatment, Clinical Psychology Brownbag, University of Pittsburgh, November, 2007
- 24 Translational neuroimaging in depression: From mid-life to elderly research, Late Life Advanced Center for Interventions and Services Speaker Series presentation, University of Pittsburgh School of Medicine, December, 2007
- 25 Emotional information processing: Are normal adolescents like depressed/anxious adults? Child and Adolescent Psychiatry Colloquium, University of Pittsburgh School of Medicine, March, 2008
- 26 Emotional reactivity in depression: Towards personalized treatment, Address to the International Consortium for Anxiety and Depression, Bergen, Norway, May, 2008.
- 27 Functional connectivity: Where for art thou?, Colloquium, Child and Adolescent Study Center, New York University, May 2008
- 28 Do healthy adolescents process emotional information like depressed adults? Implications of brain imaging for understanding and treating depression through the lifespan, Grand Rounds, Child and Adolescent Study Center, New York University, September 2008
- 29 How do psychotherapy and antidepressant drugs affect the brain? Presentation to the local chapter of the National Alliance on Mental Illness, Pittsburgh, April 2009.
- 30 Interview for FreedomDomain Radio, December 2009, <http://www.youtube.com/watch?v=AjqrNPomIzg>
- 31 What about depressed patients are we treating? First insights from the Clinician Accessible Neuroimaging (CAN) project., Grand Rounds, Mt. Sinai Hospital, New York, February, 2010.
- 32 Is it all in my head? Interoceptive awareness and neural mechanisms of affective psychopathology, Pittsburgh Mind Body Center Ideas Seminar, Greg Siegle & Darcy Mandell, Pittsburgh, February, 2010.
- 33 What parts of depression are we treating? Emerging neuroscience and first insights from the Clinician Accessible Neuroimaging (CAN) project, Presentation to the Center for Anxiety and Related Disorders, Boston University, June 2010.

- 34 Depressive rumination: From neural mechanisms to novel interventions, Boston College, June 2010.
- 35 What about depressed patients are we treating? From neuroimaging to the clinic, Harvard University, June, 2010
- 36 Neuroimaging for the depression clinic: Fantasies and first steps. Meet the PI - Grand Rounds. University of Pittsburgh School of Medicine, Department of Psychiatry, November, 2010.
- 37 Towards behavioral and neuro-rehabilitation for the depression clinic, Treatment Resistant Depression discussion group, Western Psychiatric Institute and Clinic, April, 2011
- 38 The depression clinic of the future: How do we get from here to there?, Harvard University, November, 2011
- 39 Wherefore art thou depression clinic of the future? From neuroimaging to targeted treatments., Psychology Colloquium Series, Yale University, February, 2012
- 40 Does getting better mean getting normal? Neuroimaging of recovery profiles in depression., Magnetic Resonance Center Speaker Series, Yale University, February, 2012
- 41 Wherefore art thou depression clinic of the future? From cognitive neuroscience to the psychology clinic., Psychology Colloquium Series, University of Wisconsin, Milwaukee, March, 2012
- 42 Interrupting Pathways from Child Anxiety and Depression to Adult Depression: Towards Mechanistic Targets, University of Minnesota, Child Prevention Research Center, March, 2012
- 43 Cognitive neuroscience in the emotion clinic of the future, University of New York, Binghamton, December, 2012
- 44 Cognitive neuroscience in the psychiatry clinic, University of Toledo, December, 2012
- 45 Trials and travails of putting a biomarker in the psychiatry clinic: Why I keep doing that same experiment, University of Illinois at Chicago, December, 2012
- 46 Wherefore art thou depression clinic of the future: From today's cognitive neuroscience to tomorrow's clinic. University of Rochester, NY, April, 2012
- 47 The psychiatry clinic of the future: Fantasies and first steps, Laureate Institute for Brain Research, Tulsa, OK, January, 2013.
- 48 Neural pathways paved with good intentions: Precision medicine in next-generation psychiatry clinics, Laureate Institute for Brain Research, Tulsa, OK, March, 2013.
- 49 Where'd they go? Mechanisms and clinical implications of blunted and discordant affect., University of Maryland, College Park, MD, April, 2013
- 50 Wherefore art thou depression clinic of the future? From today's cognitive neuroscience to tomorrow's bedside., Case Western Reserve University, Cleveland, OH, May 2013
- 51 The emotion clinic of the future: Precision medicine through cognitive neuroscience, Grand Rounds, Akron General Hospital, Akron OH, July 2013
- 52 Interrupting pathways from child anxiety and depression to adult depression: Towards mechanistic targets, Psychology colloquium, University of Vienna, October 2013
- 53 Cognitive neuroscience in the psychology clinic of the future, Psychology colloquium, University of Virginia, October 2013
- 54 Neurocognitive rehabilitation in the next-generation psychiatry clinic, Psychiatry grand rounds, Emory University, January, 2014
- 55 Psychiatric clinics of the future: Neuroscience informed approaches to assessing and targeting mechanisms of behavioral change, Colloquium series, San Francisco VA, May, 2014.
- 56 Cognitive neuroscience in the psychiatry clinic of the future, grand rounds, Department of Psychiatry, Ohio State University, Columbus, OH, July, 2014
- 57 Neuroscience of cognitive- and neuro-behavioral interventions: Towards next-generation studies, Colloquium, Department of Psychiatry, Yale University, New Haven, CT, October, 2014.
- 58 Cognitive neuroscience in the psychology clinic of the future, Colloquium, University of Trier, Trier, Germany, November 2014.
- 59 Cognitive neuroscience in the psychiatry clinic of the future, Grand Rounds, University of California, San Francisco, January 2015

- 60 Cognitive neuroscience in the next generation psychiatry clinic, Colloquium, University of Illinois at Chicago, January 2015
- 61 Cognitive Control Training for Rumination, Seminar, University of Kansas, April, 2015
- 62 Extreme psychophysiology. Insights from high affect EEG outside conventional laboratory boundaries., Colloquium, University of Toronto, November, 2015
- 63 Thoughts on Life-Span Development of Normal and Abnormal Behavior, Vanderbilt University, January, 2016.
- 64 Depressive rumination: Using neuroscience to develop targeted treatments, University of Arizona, February 2016
- 65 Using neuroscience to develop targeted treatments for emotional reactivity, Hiroshima University, February 2016
- 66 Blunted affect: Neuroscience, assessment, and interventions, Grady Hospital, Atlanta, May 2016
- 67 Increased and blunted affect: Mechanisms and targeted interventions, Psychology department, Georgetown University, November, 2016.
- 68 Emotion prosthetics: Technical, practical, and ethical considerations. Seminar, Netherlands Institute for Advanced Studies, Amsterdam, Netherlands. May, 2017.
- 69 Neuroscience and Individuality: A story of time, Talkback for Quantum Theatre, Pittsburgh, Pennsylvania, 2017
- 70 Emotion prosthetics: Real-time personalized translational interventions for emotional reactivity, Colloquium at the University of Maine, December, 2017.
- 71 Emotion when you least expect it: Affective science and audiology, Colloquium at the University of Pittsburgh Department of Communication Science and Disorders, March, 2018
- 72 Cognitive training to address obstacles to recovery. Webinar for the Office of Behavioral and Social Sciences, June, 2018.
- 73 Emotion when you least expect it. Adding affective science to complexity theory. University of Amsterdam, Department of Cognitive Science, June, 2019
- 74 Cognitive neuroscience in the next-generation psychiatry clinic. University of Amsterdam Department of Psychiatry, June 2019
- 75 Emotion Waves: From computational models to psychiatric interventions. University of Pittsburgh, Department of Psychiatry, October 2019
- 76 Emotion Prosthetics. Mobile Sensing + Health (MoSHI) seminar, University of Pittsburgh, November 2019
- 77 Rumination and Worry. From neuroscience to intervention. Lunch and Learn for the Clinical and Translational Science Institute, University of Pittsburgh, December 2019

Selected Media Appearances

- 1 2002. *Economist* interview. Available web <http://www.economist.com/node/1143317>
- 2 2008. French public television documentary on non-pharmacological treatments for depression
- 3 2009. Freedom Domain Radio interview on neuroscience of depression, available web: <http://www.youtube.com/watch?v=AjqrNPomIzg>
- 4 2010. *Kountdown to a K*. 4researchers interview on writing a K-award grant. Available web: <http://www.4researchers.org/articles/6133>
- 5 2012. NHK (Japan public television) documentary on depression mechanisms and non-pharmacological treatments
- 6 2012, Discovery Channel documentary “*Sex in America*” – demonstrating EEG of arousal
- 7 2012. PBS series “*Craft in America*”- discussing neuroaesthetics, collecting and showing EEG of an artist weaving
- 8 2013. *Vice Magazine* feature article: “The video game helmet that can hack your brain” describing our use of EEG to understand reward processing using mobile technology
- 9 2013. *Wall Street Journal* feature article: “Clinic of the Future: Aiming for Faster Depression

- Relief.”, describing the use of neuroimaging to guide case conceptualization in our clinic
- 10 2014. *National Public Radio’s Science Friday*. Live interview discussing neural mechanisms of fear and anxiety.
 - 11 2015. *Wall Street Journal* feature article: “To Treat Depression, a New Approach Tries Training the Brain” describing the use of cognitive training techniques as interventions for depression
 - 12 2015. *Good Morning America* feature on “Could fear be good for you?” describing our work using neuroscience to test why people feel good after voluntary ecological fear experiences
 - 13 2016. *National Public Radio’s “The Pulse”* feature on “Hacking your attention for depression treatment” describing our work using neuroscience to create novel interventions for depression
 - 14 2016. *Nightline*. “What happens to our brains when we get scared”
<https://abcnews.go.com/Nightline/video/brains-scared-34845104>

SERVICE

Inter-lab Committees

- | | |
|--|--------------|
| Led neuroscience / clinical case conferences for psychotherapists and pharmacotherapists in which brain imaging data is used to inform treatment along with clinical information | 2009-2014 |
| Lead weekly clinical trials rounds for multiple labs with ongoing depression clinical trials | 2018-present |

WPIC Committees

- | | |
|------------------------------------|--------------|
| Research Committee, member | 2001-present |
| Seed grant committee, member | 2001-2006 |
| Data management task force, member | 2015-2016 |

Local/Community Service Activities

- | | |
|--|--------------|
| Board Member – Psychology and Spirituality Lecture Series, Pittsburgh Theological Seminary | 2011-2014 |
| Board Member – Art / Science Collaboration Initiative, Carnegie Art Institute | 2011-2014 |
| Board Member – Rodef Shalom synagogue | 2009-2012 |
| Music Clergy – Rodef Shalom synagogue | 2009-present |
| Frequent local speaker on mental health issues for synagogues, spirituality groups, and sexual minority groups | 2001-present |

National Service – Conference Programs & Societal Responsibilities

- | | |
|--|--------------|
| Program Committee, International Workshop on Neural Network Models of Cognitive and Brain Disorders. | 1997- 1998 |
| Program Chair, International Pupil Colloquium | 2009 |
| Program Committee, Society for Psychophysiological Research 2010 Meeting | 2009-2010 |
| Scientific Advisor and Executive Board Member, Neurocognitive and Translational Special Interest Group for the <i>Association for Behavioral and Cognitive Therapies</i> | 2010-present |
| Program Committee, Developmental Affective Neuroscience 2012 Meeting | 2011-2012 |
| Program Committee, Society for Psychophysiological Research 2012 Meeting | 2011-2012 |
| Program Chair, Neurocognitive Therapies and Translational Research Institute for the 2013 and 2014 meetings of the Association for Behavioral and Cognitive Therapy | 2012-2014 |
| Program Committee, <i>Society for Affective Science 2014, 2015,2016, 2017 Meetings</i> | 2012-2017 |
| Program Committee, <i>Society of Biological Psychiatry</i> | 2014-2017 |
| Program Committee, <i>Association for Behavioral and Cognitive Therapy (ABCT) 2016 Meeting</i> | 2016-2017 |
| Program Committee Society for Psychological Research | 2019 |

Chair, Think Tank on Translational Neuroscience, Association for Behavioral and Cognitive Therapies	2018-2020
Nominee for president (of 2) of the <i>Association for Behavioral and Cognitive Therapies (ABCT)</i>	2019

Selected International Activities

1. Organizer and Board Member, international brain imaging interpretation competitions (2007 and 2006): Pittsburgh Brain Activity Interpretation Competition - Inferring Experience Based Cognition from Virtual Reality fMRI. This was an international competition in which our group provided publicly available fMRI datasets with the goal of having contestants predict behavioral features of the fMRI data, to highlight the potential of fMRI. There were hundred's of participants each year with strong scientific innovation emerging.
2. Invited member, International Consortium for Anxiety and Depression. 2008. This consortium was formed, in part, to aid in advising the European Union on forming requests for applications in psychiatry.
3. Invited attendee at the Wellcome Trust meeting *Understanding disorders of the mind through neuroimaging: Developing new paradigms*. September, 2008. London, UK. This meeting was to aid the Wellcome trust in forming its strategy with regards to neuroimaging in psychiatry.
4. Invited sabbatical, the Netherlands Institute for Advanced Studies, 2017

National and International Organization Events Organized

- 1 Panel Discussion Chair. (1994). Connectionist Models of Negative Affect, Meeting of the Association for the Advancement of Behavior Therapy.
- 2 Symposium Chair. (2001). Depressive Rumination: Nature and Consequences, Meeting of the Association for the Advancement of Behavior Therapy.
- 3 Symposium Chair. (2001). Sustained processing of affective information in individuals with features of depression and anxiety. Meeting of the Society for Psychophysiological Research. Montreal, Canada.
- 4 Organizer, Pittsburgh Brain Activity Interpretation Competition (2006) - Inferring Experience Based Cognition from fMRI. Symposium and awards presented at the meeting of the Organization for Human Brain Mapping, Florence, Italy.
- 5 Organizer, Pittsburgh Brain Activity Interpretation Competition (2007) - Inferring Experience Based Cognition from Virtual Reality fMRI contest. Symposium and awards presented at the meeting of the Organization for Human Brain Mapping, Chicago, IL.
- 6 Coordinator (2007-present) Annual Artist in Residence Program - Transdisciplinary Research in Emotion Neuroscience and Development (TREND), University of Pittsburgh. August. Pittsburgh, PA. In 2007-2008, Deborah Aschheim, an artist who does painted and sculptural representations of neural function spent a week visiting with TREND faculty, doing brain scans, and giving a lecture on visualizing of neural function for the lay-person. In 2008-2009, Connie Cantor visited TREND faculty and lectured on visualization of cognitive aspects of psychopathology. In 2009-2010, Lia Cook, a textile artist examined emotional reactions to weavings compared to the subjects of the weavings using fMRI, EEG, eye-tracking, and pupilometry. In 2010-2011, Richard Claraval examined his own brain processes during the act of sculpting using EEG. In 2012-2013, Holly Hanessian examined the process of creating social connection via hand holding, imaging the hands in clay and the brain with EEG and fMRI. In 2014-2015 the Quantum Theatre measured brain reactivity of patrons in the lobby during a play about neuroscience and cognition. In 2016-2017 Urok Shirhan examined brain reactivity during singing. In 2018/2019 the rapper FRZY examined his brain's activity while rapping, and the perception of others listening to his and others' music using fMRI and EEG.
- 7 Workshop Chair (2008). Functional connectivity in depression and social phobia: Clinical implications. Meeting of the Society of Biological Psychiatry, Washington, D.C.
- 8 Workshop Co-leader (2008) Demystifying brain and body measures for the cognitive and behavioral

therapist: No experience required! Meeting of the Association for Behavioral and Cognitive Therapy. November, Orlando, FL.

- 9 Program Chair (2009) 28th International Pupil Colloquium, Pittsburgh, PA.
- 10 Program Committee (2010) Society for Psychophysiological Research, Portland, OR.
- 11 Symposium Chair (2011). Blunted Affect: The “other side” of physiological reactivity in psychopathology. Meeting of the Society for Psychophysiological Research, Boston, MA.
- 12 Symposium Co-Chair (2011), Who gets better in individual CBT for child anxiety? Preliminary Findings From the Child Anxiety Treatment Study. Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 13 Panel Discussion Co-Chair (2011) Psychophysiology and neuroimaging for the clinic. How close are we? Meeting of the Association for Behavioral and Cognitive Therapy, November, Toronto, CA.
- 14 The Neural Basis of Mindfulness and Human Well-Being (2012). Full day workshop for the *Psychology and Spirituality* lecture series through the *Pittsburgh Theological Seminary*. The unique goal of this workshop was to create a shared vocabulary for scientists and practitioners to discuss recovery with a basis in both relevant neuroscience and experiential immersion. Philippe Goldin, Ph.D. was the featured presenter.
- 15 Program Committee (2012). Society for Psychophysiological Research, New Orleans, LA.
- 16 Co-chair (2012) Developmental Affective Neuroscience, September, Pittsburgh, PA. Innaugural biennial meeting.
- 17 Co-chair (2012) The science and practice of meditation, October, Pittsburgh, PA. Invited course taught through the *Pittsburgh Theological Seminary*.
- 18 Chair (2013). Extreme psychophysiology: EEG where you would least expect it. Symposium at the meeting of the Society for Psychophysiological Research, October, Florence, Italy.
- 19 Co-Chair (2013). Neurocognitive and Translational Interventions Institute, Association for Behavioral and Cognitive Therapies, December, Nashville.
- 20 Co-Chair (2014). Neurocognitive and Translational Interventions Institute, Association for Behavioral and Cognitive Therapies, November, Philadelphia.
- 21 Co-Chair (2015). Consumer Grade Psychophysiology Preconference Institute, Society for Psychophysiological Research, October, Seattle
- 22 Co-Chair (2016). Mechanistically guided neurofeedback/neurostimulation for CBT, Workshop, Association for Behavioral and Cognitive Therapies, October, New York, NY.
- 23 Program Committee (2014-2017 meetings) Society for Affective Science.
- 24 Program Committee (2015-2017 meetings) Society for Biological Psychiatry.
- 25 Chair (2018-2019) Association for Behavioral and Cognitive Therapies Neurocognitive and Translational Think Tank on Adapting Neuroscience for the Clinic