

## Curriculum Vitae

Name:	<b>Greg Siegle</b>	Birth Date:	2/9/69
		Birth Place:	Livingston, New Jersey
		Citizenship:	US
Business Address:	Western Psychiatric Institute and Clinic 3811 O'Hara St Pittsburgh, PA 15213-2593	E-Mail:	gsiegle+@pitt.edu
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### Education and Training

#### UNDERGRADUATE

1987-1991	Brown University, Providence, RI	Sc.B. with honors <i>magna cum laude</i> (1991)	Cognitive Science, Advisor: Bill Warren, Ph.D., Thesis: Time is of the Essence: A Theory of Multiple Rate Determined Methods for Understanding Continuous Change
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#### GRADUATE

1992-1993	Northwestern University, Evanston IL	Graduate courses	Computer Science, Advisor: Ken Forbus, Psychology, Advisor: Dedre Gentner
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., 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.
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### Appointments and Positions

2001-present	University of Pittsburgh School of Medicine, Department of Psychiatry	Assistant Professor of Psychiatry; Director of Program in Cognitive Affective Neuroscience (PICAN), Director of Affective Neuroscience for the Clinical Cognitive Neuroscience Laboratory
2001-present	Pittsburgh VA Healthcare System	Research Associate, Director of Affective Neuroscience for the Biometrics Research Program
2001-present	Center for the Neural Basis of Cognition, University of Pittsburgh & Carnegie Mellon University	Assistant Professor
2002-present	University of Pittsburgh, Department of Psychology	Assistant Professor, Cognitive and Clinical Tracks
2006-	Pittsburgh Mind Body Center	Assistant Professor

present

### Memberships in Professional and Scientific Societies

Society for Neuroscience	2003-present
Organization for Human Brain Mapping	2004-present
Cognitive Neuroscience Society	2003-2005
Society for Behavioral Medicine	2002
Society for Psychophysiological Research	2000-present
Association for the Advancement of Cognitive and Behavior Therapy	1994-present
American Psychological Association	1993-present
Sigma Xi	1991-present

### Honors

Selected as one of two researchers in the country to represent NIMH to congress at the 10 <sup>th</sup> anniversary of the Office of Behavioral and Social Sciences Research	2006
Sutton Lecturer, New York Psychiatric Institute	2006
WPIC Young Investigator Lecturer	2003
WPIC Research Day presentation award	2002
WPIC Junior Faculty Scholar	2001-2002
NARSAD Young Investigator award	2000
Health Emotions Research Institute Travel Award, University of Wisconsin	1998,1999, 2001
Nominated by University of Pittsburgh for Burroughs-Wellcome Award	2000
Dorothy K. Fricke Award, Voted by Joint Doctoral Program faculty for the graduate student who made the most significant contribution to the program	1996
Travel Award, University of Maryland	1995
Elected an Associate Member of Sigma Xi, The Scientific Research Society	1991
National Merit Scholar.	1987

### Publications

#### Submitted

1. **Siegle, G.J.**, Gotlib, I.H., Whalen, P.J., Lee, K. H., Thase, M.E. (submitted). A little emotion goes a long way: Increased amygdala responses to momentary negative stimuli but blunted RSA responses to repeated negative stimuli in unipolar depression.
2. **Siegle, G.J.**, Steinhauer, S.R., Carter, C. S., Thase, M.E. (submitted). Is sustained processing specific to emotional information in depression? Evidence from pupil dilation.
3. **Siegle, G.J.**, Condray, R., Thase, M.E., Keshavan, M., Steinhauer, S.R. (submitted). Sustained gamma-band EEG during emotional information processing in depression and schizophrenia.
4. Haggerty, A.E., Muelly, E.R., Konecky, R.O., Dahl, R.E., Thase, M.E., Aizenstein, H.A., Drevets, W.C., Cho, R., **Siegle, G. J.** (submitted). Amygdala Volume in Unipolar Depression Through the Lifespan.
5. Silk, J.S., Dahl, R.E., Ryan, N.D., Birmaher, B., Axelson, D. **Siegle, G.J.** (submitted). Decreased Late Pupil Dilation to Emotional Words in Child and Adolescent Depression
6. Wheeler, L. & **Siegle, G.J.** (submitted). Ventromedial prefrontal cortex and affect: A review of neuroimaging studies of primary and secondary inducers of emotion
7. Lee, K. H. & **Siegle, G. J.** (submitted). Different BOLD responses to emotional faces and emotional faces augmented by contextual information.
8. Franzen, P.L., Buysse, D.J., Dahl, R.E., **Siegle, G.J.** (submitted). Sleep deprivation alters affect reactivity to negative emotional information in healthy young adults.

### In Press and Published Peer Reviewed Articles

1. Forbes, E.E., May, J.C., **Siegle, G.J.**, Ladouceur, C.D., Ryan, N.D., Carter, C.S., Dahl, R.E. (in press). Reward-Related Decision-Making in Pediatric Anxiety and Major Depressive Disorders: An fMRI Study. *Journal of Clinical Child and Adolescent Psychology*
2. **Siegle, G.J.**, Thompson, W., Thase, M.E., Steinhauer, S.R., Carter, C. S., (in press). Increased amygdala and decreased dorso-lateral prefrontal BOLD responses in unipolar depression: Related and independent features. *Biological Psychiatry*.
3. **Siegle, G.J.**, Ghinassi, F., Thase, M.E. (in press). Neurobehavioral therapies in the 21<sup>st</sup> century: Summary of an emerging field and an extended example of Cognitive Control Training for depression. *Cognitive Therapy and Research*.
4. **Siegle, G.J.** (in press). From brain imaging to intervention: Disruptions of emotional reactivity in unipolar depression. *Japanese Journal of Research on Emotions*
5. 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.
6. **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.
7. Gianaros, P., Derbyshire, S. W. G., May, J. C., **Siegle, G. J.**, Jennings, J. R. (2005). Increased mean arterial pressure to a behavioral stressor correlates with concurrent fMRI BOLD activation in cortical and subcortical brain regions. *Psychophysiology*, 42, 627-635.
8. 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
9. **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.
10. Ingram, R.E., Bailey, K., & **Siegle, G.J.** (2004). Emotional information processing and disrupted parental bonding. *Journal of Cognitive Psychotherapy*, 18, 53-65.
11. **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.
12. 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.
13. 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 anterior cingulate. *Biological Psychiatry*, 55, 531-537.
14. 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.
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.
16. **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.
17. Thayer, J. F. & **Siegle, G.J.** (2002). Neurovisceral integration in cardiac and emotional regulation. *IEEE*

*Engineering in Medicine and Biology*, 21(4), 24-29.

18. **Siegle, G. J.** & Hasselmo, M. E. (2002). Using connectionist models to guide assessment of psychological disorder. *Psychological Assessment*, 14, 263-278.
19. **Siegle, G. J.**, Steinhauer, S.R., Thase, M.E., Stenger, V.A., Carter, C. S., (2002). Can't Shake that Feeling: fMRI Assessment of Sustained Amygdala Activity in Response to Emotional Information in Depressed Individuals. *Biological Psychiatry*, 51, 693-707.
20. **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.
21. **Siegle, G. J.** (2001). Connectionist models of psychopathology: Crossroads of the cognitive and affective neuroscience of disorder. *Cognitive Processing*, 2, 455-486.
22. **Siegle, G. J.**, Granholm, E., Ingram R. E., Matt, G. E. (2001). Pupillary response and reaction time measures of sustained processing of negative information in depression. *Biological Psychiatry*, 49, 624-636.
23. 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.
24. 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.
25. **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.
26. 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.
27. 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.
28. Ingram, R. E., Kendall, P. C., **Siegle, G. J.**, & Guarino, J., (1996). Psychometric properties of the positive automatic thoughts questionnaire, *Psychological Assessment*, 7, 495-507.
29. 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.
30. 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*.

### Invited Articles

1. Papageorgiou, C. & **Siegle, G.J.** (2003). Rumination and Depression: Advances in Theory and Research. *Cognitive Therapy and Research*, 27, 243-245.
2. **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.
3. **Siegle, G. J.** & Segal, Z. (2000). The river is wide but the current is strong. *Contemporary Psychology*, 45, 3, 257-259

4. **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/>
5. **Siegle, G. J.** (1999). How to legitimate a field. *Neural Networks, 12*, 1331-1333.
6. **Siegle, G. J., & Ingram, R. E.** (1996). The big picture. *Contemporary Psychology, 41*(2), 163-164.

### Book Chapters

1. **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.
2. **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.
3. 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.
4. 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.
5. 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.
6. 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.
7. **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.
8. Dombek, 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.

### Invited Addresses

1. **Siegle, G.J.** (2006). Emotional reactivity in depression: From imaging to intervention. *Presentation at the Office of Behavioral and Social Sciences 10<sup>th</sup> Anniversary Celebration*. Bethesda Maryland.
2. **Siegle, G.J.** (2006). From fMRI to intervention for unipolar depression, *Samuel Sutton Lecture*, New York Psychiatric Institute, New York.
3. **Siegle, G.J.** (2005). From brain imaging to intervention: Sustained emotional reactivity in unipolar depression. Keynote Address to the *Japanese Society for Research on Emotions*, May, Nagoya, Japan.
4. **Siegle, G.J. & Thase, M.E.** (2004). 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.
5. **Siegle, G.J.** (2004). From brain activity to intervention. Workshop: *Advances in the Treatment of Mood Disorders*, March, Pittsburgh, PA.
6. **Siegle, G.J.,** Steinhauer, S.R., Thase, M.E., Carter, C. S. (2002). *fMRI Correlates of Sustained Affective Information Processing in Depressed and Never-depressed Individuals*. Human Brain Mapping meeting,

Sendai, Japan.

7. **Siegle, G. J.** (1998). *A neural network model of affective interference in depression*. International Workshop on Neural Network Models of Cognitive and Brain Disorders, College Park, MD.

#### **Presentations and Published Abstracts**

1. **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.
2. Ichikawa, N., **Siegle, G.J.**, Nomura, M., Iidaka, 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 ,
3. 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.
4. 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.
5. 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.
6. 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.
7. Fincham, J. & **Siegle, G.J.** (2006). Modeling mechanisms that differentiate healthy and depressed individuals: The Paced auditory serial attention task. 13<sup>th</sup> Annual ACT-R Workshop. Pittsburgh, July.
8. **Siegle, G.J.**, Schneider, W.S., McHugo, M., Gemmer, L., Jones, D. Fissell, K. (2006). Pittsburgh Brain Activity Interpretation Competition: Inferring Experience Based Cognition from fMRI. RESULTS! Presentation at the meeting of the Organization for Human Brain Mapping, Florence, Italy, June.
9. **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.
10. 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.
11. **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.
12. **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.
13. 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.
14. **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.

15. **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 26<sup>th</sup> International Pupil Colloquium, August, Bear Mountain, New York.
16. 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 26<sup>th</sup> International Pupil Colloquium, August, Bear Mountain, New York.
17. 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 26<sup>th</sup> International Pupil Colloquium, August, Bear Mountain, New York.
18. 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 26<sup>th</sup> International Pupil Colloquium, August, Bear Mountain, New York.
19. 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 26<sup>th</sup> International Pupil Colloquium, August, Bear Mountain, New York.
20. **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.
21. **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.
22. 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.
23. 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.
24. **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.
25. 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
26. 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.
27. 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.
28. 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.

29. **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.
30. 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.
31. **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.
32. 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.
33. 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.
34. **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.
35. **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.
36. 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.
37. 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.
38. 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.
39. **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*. 25<sup>th</sup> International Pupil Colloquium, September, Chania, Crete.
40. 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*. 25<sup>th</sup> International Pupil Colloquium, September, Chania, Crete.
41. **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.
42. **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.
43. **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.

44. **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.
45. **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.
46. 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.
47. 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.
48. 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.
49. **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.
50. **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.
51. **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.
52. 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.
53. **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.
54. 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.
55. **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. 24<sup>th</sup> *International Pupil Colloquium*, Assilomar, CA. <http://www.jiscmail.ac.uk/files/PUPIL/ca.htm>.

56. Steinhauer, S.R., Kasparek, A., Condray, R., & **Siegle, G.J.** (2001). Dilation of the pupil via sympathetic and parasympathetic pathways during a continuous processing task. 24<sup>th</sup> *International Pupil Colloquium*, Assilomar, CA. <http://www.jiscmail.ac.uk/files/PUPIL/ca.htm>.
57. **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.
58. **Siegle, G.J.** (2001). *Convergence and divergence in measures of rumination*. WPIC Research Day, June, Pittsburgh.
59. **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](http://kraepelin.wpic.pitt.edu/~siegle/gregweb/aabt00)
60. **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.
61. **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.
62. Steinhauer, S.R., Condray, R. Kasparek, 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.
63. **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.
64. **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.
65. Sagrati, S., **Siegle, G. J.**, Crawford, C. (1999). Rumination and recovery from depression. Meeting of the American Psychological Association. Phoenix, AZ.
66. **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.
67. **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 9<sup>th</sup> European Conference on Personality, Surrey, England.
68. 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.
69. 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/](http://www.sci.sdsu.edu/CAL/greg/wpa98/)
70. **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.

71. 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.
72. **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.
73. **Siegle, G. J.** & Gray, J., Ingram, R.E. (1997). *Relationships of bingeing and purging to depressive and anxious symptomatology*. Presentation at the meeting of the American Psychological Association. Chicago, IL.
74. 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.
75. 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.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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.
81. Eftekhari, 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.
82. 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.
83. **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.
84. **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.
85. **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.

86. 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.
87. **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.
88. 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.
89. 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.
90. 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.
91. 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.
92. **Siegle, G. J.** (1994). Integration of self as a modulator for depressive rumination. In M. Dombeck (Chair), *Self structure and vulnerability to psychopathology*, Presentation at the meeting of the Rocky Mountain Psychological Association, Las Vegas.
93. **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.
94. **Siegle, G. J.** (1993). *The CLIM Prototyping Environment.* Presentation at the meeting of INTERCHI: Amsterdam.
95. 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.
96. 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.
97. 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.
98. **Siegle, G. J.**, & Gunn, G., (1986) *Mathematical analysis of collective motion.* Presentation at the Connecticut Junior Science and Humanities Symposium.

### Unpublished Scholarly Works

1. **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.
2. **Siegle, G.J.** & Ford, J. (2002-2006). *Some hints on obtaining a K01 for post-docs and junior faculty.*

Document disseminated at professional development seminars around the country. Published on-line by 4-researchers.org. Published as a slide-show and interview with Drs. Siegle and Charles Reynolds, M.D., by MediSpin, MedEd Mentoring.

3. **Siegle, G. J.** (1999). *Being Borderline: An Operator's Manual*.
4. **Siegle, G. J.** (1996). *The Big Cab Book: Manual for the Cognitive Assessment Battery*
5. **Siegle, G. J.** (1995). *Mass Testing Manual: A manual for the running and scoring of Mass Testing measures at San Diego State University*

#### **Events Organized**

1. Organizer, international brain imaging interpretation competition (2006). Pittsburgh Brain Activity Interpretation Competition - Inferring Experience Based Cognition from fMRI. Awards presented at the meeting of the Organization for Human Brain Mapping, Florence, Italy.
2. 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.
3. Symposium Chair. (2001). Depressive Rumination: Nature and Consequences, Meeting of the Association for the Advancement of Behavior Therapy.
4. Panel Discussion Chair. (1994). Connectionist Models of Negative Affect, Meeting of the Association for the Advancement of Behavior Therapy.

#### **Professional Activities**

##### **Teaching**

1. Course Name: Methodology Monday  
Description: Informal monthly clinic in fMRI methodology  
Year: 2002-present  
No. of Times: 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
2. Course Name: Program in Cognitive Affective Neuroscience Meeting  
Description: Weekly journal club and scientific project mentoring meeting  
Year: 2003-present  
No. of Times: 40 per year  
To Whom: faculty, post-doctoral, graduate, & undergraduate students  
No. of Students: 5-12 per session  
Where: University of Pittsburgh School of Medicine
3. 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

4. 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
5. 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
6. 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
7. 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
8. 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
9. 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
- 10 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

- 11 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
- 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: 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
- 14 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
- 15 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
- 16 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
- 17 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

- 18 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
- 19 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
- 20 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
- 21 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
- 22 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
- 23 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

## **Pre and Post-Doctoral Students**

### **Predoctoral Students**

1. Neal Jones, 2006-present, University of Pittsburgh, Department of Psychiatry, Intern, mentor
2. Christine Larson, 2002-2003, University of Pittsburgh, Department of Psychiatry, Intern, mentor
3. Kyung Hwa Lee, 2003-present, University of Pittsburgh, Department of Psychology, Graduate Student, Primary mentor
4. Naho Ichikawa, 2005-present, University of Pittsburgh Department of Psychiatry / Nagoya University, Graduate student, primary mentor for 1-year visiting scholarship



5. John Scott, 2005-present, University of Pittsburgh Department of Public Health, Graduate student psychiatry mentor
6. Dana Steidtmann, 2005-present, University of Kansas, Department of Psychology, Graduate student, dissertation consultant
7. Desmond Oathes, 2004-2006, Pennsylvania State University, Department of Psychology, Graduate student, dissertation consultant
8. Dana McMackin, 2006-present, Duke University, Department of Psychology, Graduate Student, NRSA consultant
9. Lisa Farace, 2003, University of Pittsburgh, Department of Neuroscience, Undergraduate thesis advisor. Honors Undergraduate. Thesis: *Relationships between physiological reactivity and memory for emotional information in depressed individuals.*
10. Agnes Haggerty, 2004, University of Pittsburgh, Department of Neuroscience, Undergraduate thesis advisor. Honors Undergraduate Thesis: *Amygdala Volume in Children and Adults with Unipolar Depression*
11. Emilie Muelly, 2004 summer-2006, University of Pittsburgh, Department of Neuroscience, Undergraduate thesis advisor. Undergraduate 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.
12. Michael Muelly, 2004 summer-present, University of Pittsburgh, Department of Computer Science, Undergraduate Brackenridge Fellowship mentor and undergraduate research mentor
13. Elizabeth Berk, 2005 summer, Sarah Lawrence College, undergraduate research mentor
14. Laura Taylor, 2005 summer, Penn State University, undergraduate research mentor
15. Kyoko Kamishima, 2006, University of Pittsburgh, undergraduate research mentor
16. Lindsay Blazin, 2006, University of Pittsburgh, undergraduate research mentor
17. Mauri Cesare, 2006, University of Pittsburgh, undergraduate research mentor

#### **PostDoctoral Students**

1. Bruce Smith, 2002, University of Pittsburgh, Department of Psychiatry, mentor
2. Erica Forbes, 2003-2004, University of Pittsburgh, Department of Psychiatry, mentor
3. Peter Gianaros 2003-present, University of Pittsburgh, Department of Psychiatry, lab supervisor/consultant
4. Jennifer Silk, 2004-2005, University of Pittsburgh, Department of Psychiatry, lab supervisor/consultant
5. Peter Franzen, 2004-present, University of Pittsburgh, Department of Psychiatry, lab supervisor/consultant, proposed K01-consultant
6. Tina Goldstein, 2006, University of Pittsburgh, Department of Psychiatry, K01-consultant

#### **Medical Students and Residents**

1. Vikas Kumar, 2006-present, Medical Student, University of Pittsburgh, Department of Psychiatry, Reynolds Fellowship mentor – summer project
2. Michelle Horner, 2006-present, Resident, University of Pittsburgh, Department of Psychiatry, Research mentor

#### **Junior Faculty mentees**

1. Peter Gianaros, Ph.D. 2004-present, University of Pittsburgh, Department of Psychiatry, K01 consultant
2. Jennifer Silk, Ph.D., 2005-present, University of Pittsburgh, Department of Psychiatry, lab supervisor/ K01 consultant
3. Wesley Thompson, Ph.D., 2005-present, University of Pittsburgh Department of Psychiatry, imaging supervisor/K01 consultant
4. Tracy Dennis, Ph.D., 2005-present, Hunter College, K01 consultant
5. Tina Goldstein, Ph.D., 2006-present, University of Pittsburgh, Department of Psychiatry, lab supervisor/ K01 consultant

#### **Service on Dissertation, and 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

3. Elizabeth Wheeler, 2003-present, Doctoral Student, University of Pittsburgh
4. Kyung Hwa Lee, 2003-present, Doctoral Student, University of Pittsburgh
5. Amy Overman, 2004-present, Doctoral Student, University of Pittsburgh
6. Sandra Sagrati, 2005-present, Doctoral Student, University of Toronto
7. Christopher May, 2005, Doctoral Student, University of Pittsburgh
8. Karin Cox, 2005-present, Doctoral Student, University of Pittsburgh
9. John Scott, 2005-present, Doctoral Student, University of Pittsburgh

#### **Service on Doctoral Comprehensive Exam Committees**

1. Elizabeth Wheeler, 2003, Psychology, University of Pittsburgh
2. David Halpern, 2004, Psychology, University of Pittsburgh
3. Elizabeth Tricomi, 2004, Psychology, University of Pittsburgh

#### **Colloquia**

1. “Emotional reactivity and regulation in unipolar depression: From the scanner to the clinic”, colloquium, Ohio State University, Department of Psychology, October, 2006.
2. “Sustained emotional reactivity in unipolar depression: From fMRI to intervention”, Grant rounds, Beth Israel Hospital, New York, February, 2006
3. “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
4. “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.
5. “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.
6. “Using cognitive neuroscience to predict recovery in cognitive therapy for depression” – lecture to Psychology students at the University of Nagoya, Japan, May 2005
7. “From brain imaging to intervention: Sustained emotional reactivity in unipolar depression,” lecture to the Department of Psychology, University of Kansas, April 2005
8. “From fMRI to intervention: Sustained emotional reactivity in unipolar depression”, lecture to the Brain Imaging Research Center, Pittsburgh, January 2004.
9. “From brain activity to intervention: Sustained emotional reactivity in depression,” MIRECC Speaker series, VA Pittsburgh, January 2004.
10. “Sustained emotional reactivity in depression: From brain activity to intervention.” North Dakota State University, December, 2004.
11. “Sustained emotional reactivity in depression: From brain activity to intervention.” Penn State University, October, 2004.
12. “Sustained emotional reactivity in depression: From brain activity to intervention.” University of California, San Diego, October, 2004.
13. “Out of sight into mind: Visual processing of emotional information in depression,” London Vision Colloquium, City University, London, April, 2004.
14. “Concurrent Pupil dilation and fMRI. Now that we’ve got it, what do we do with it?” University of California, San Diego, January, 2003.
15. “Sustained Amygdala Activity in Depression: Where’s the Off Switch,” Stanford University, January, 2003.
16. “Rumination, worry, and fMRI-derived emotional information processing biases in depression and anxiety”, Stanford University, January, 2003
17. “Sustained Amygdala Activity in Depression,” University of West Virginia, September 2002.
18. “Sustained Affective Reactivity in Depression: Where’s the Off-switch,” Southern Methodist University, October 2002.

#### **Research**

#### **Funded Grants**



## Pending Grants

### Cognitive Control Training – An Adjunctive Intervention for Depression

Role: Principal Investigator                      20% effort                      4/07-3/11

Source: National Institutes of Health

Examines the use of prefrontal cortex exercises to improve emotion regulation in depressed individuals via functional magnetic resonance imaging and peripheral physiological assessment. (*under revision*)

### Cognitive and affective features of youth anxiety: From brain mechanisms to recovery

Project #1 in CIDAR Proposal (Ryan): Transdisciplinary Studies of CBT for Anxiety in Youth

Role: Principal Investigator    30% effort                      12/06-11/11

Source: NIMH

This project uses fMRI to examine the extent to which brain reactivity to emotional information before treatment is associated with recovery in Cognitive Behavior Therapy for youth anxiety, and whether these patterns of reactivity change upon recovery.

### (Pilkonis) Interpersonal Functioning and Emotion in Borderline Personality

Role: Co-Investigator                              10% effort                      6/07-5/11

Source: NIMH

Uses interviews, self-report, and pupil dilation to understand emotional reactivity and regulation in individuals with borderline personality disorder.

### (Phillips) Toward the identification of biomarkers of bipolar disorder

Role: Co-Investigator                              5% effort                      12/06-11/10

Source: NIMH

Uses functional magnetic imaging to identify neuroendophenotypes of bipolar disorder associated with cognitive and emotional information processing, present before and after recovery from depressive episodes.

### (Condray) ERP Assessment of Language in Schizophrenia

Role: Co-Investigator                              5% effort                      4/07-12/10

Source: NIMH

Uses event related brain potentials to understand cognitive and affective linguistic processing in individuals with schizophrenia and depression.

### (Fiez) fMRI studies of the neural basis of reward processing

Role: Co-Investigator                      5% effort                      4/05-3/10

Source: National Institute of Drug Abuse

Studies exploring the role of the dorsal and ventral striatum in processing monetary and nicotine related rewards and outcomes. (*under revision*)

## Recently completed Grants

### Affective Neuroscience of Emotion and Conflict Processing in Depression.

Role: Principal Investigator                      30% effort                      7/01-6/03

Source: National Alliance for Research in  
Schizophrenia and Depression

Studies examining pupillary, fMRI, and self-report measures of rumination and conflict processing in never-depressed and depressed individuals

### Conditions eliciting enhanced and decreased amygdala activity to emotional faces

Role: Principal Investigator                      20% effort                      7/1/03 - 6/30/04

Source: UPMC Pilot Neuroimaging Program                      20 hours scan time

Examines the extent to which task instructions and timing lead to sustained or blunted amygdala activity in

response to emotional faces in depressed and never-depressed individuals using fMRI

Changes in Emotional Processing Following A Cognitive Control Training Intervention for Depression

Role: Principal Investigator 20% effort 6/1/03 - 5/30/04

Source: WPIC Mental Health Intervention Research Center \$15,000

Examines the feasibility and physiological correlates of using prefrontal cortex exercises to improve emotion regulation in depressed individuals.

Physiological and Neuroimaging Assessment of Emotional Information Processing in Depression

Role: Principal Investigator 20% effort 1/01-1/02

Source: Veteran's Research Foundation \$10,000

Study examining reliability of pupillary and fMRI correlates of emotional information processing

Affective Interference: Cause for Negative Attention Biases in Depression

Role: Principal Investigator 6/98-6/99

Source: Sigma Xi Grant in Aid of Research \$100

RO1 MH55762-04 (Steinhauer) Components of Pupillary Dilation and Cognition

Role: Co-Investigator 5% effort 9/00-9/03

Source: National Institute of Mental Health

Studies examining sympathetic and parasympathetic contributions to pupillary motility in response to cognitive and light stimuli

(Steinhauer) Neurocognitive and Affective Components of Schizophrenia

Role: Co-Investigator 10% effort 10/00-9/04

Source: Department of Veterans Affairs

Studies examining psychophysiological responses in schizophrenic patients during cognitive and emotional information processing tasks, in comparison to other psychiatric patients and controls

## Research Experience

My research program investigates cognitive and physiological mechanisms associated with individual differences in emotional information processing in depression, from basic research to understanding recovery, and 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.

1999 – present **Program in Cognitive Affective Neuroscience (PICAN), Western Psychiatric Institute and Clinic, Pittsburgh**

My lab examines physiological mechanisms of emotional information processing in healthy individuals and individuals with psychopathology through behavioral, physiological and functional magnetic resonance imaging (fMRI) assessment, as well as computational neural network modeling, during acute episodes and during and after recovery, in cognitive behavior therapy and new neuroscience-derived behavioral treatments. Physiological assessment techniques include pupil dilation, event-related potentials (ERPs), electromyography (EMG), heart rate, and respiration. Primary collaborators include Michael Thase, M.D., Stuart Steinhauer, Ph.D., Ruth Condray, Ph.D., Ronald Dahl, M.D., Eric Nofzinger, M.D., Howard Aizenstein, M.D., Ph.D., Mary Phillips, M.D., and Wesley Thomson, Ph.D.

1998 – 1999 **Clarke Institute of Psychiatry, Toronto.**

With Zindel Segal, Ph.D. I examined effects of rumination on outcome of cognitive behavioral therapy for depression. With Shitij Kapur, M.D. I created novel indices to

- represent binding kinetics for dopamine occupancy studies.
- 1993 – 1999 **Cognitive Clinical Assessment Lab, San Diego State University.**  
With Rick Ingram, Ph.D. I investigated information processing biases in individuals with features of depression, relationships between cognitive aspects of depression and other psychopathologies, aspects of personality, ethnicity, and ethnic identity.
- 1993 – 1999 **Pupillometry Lab, University of California, San Diego.**  
With Eric Granholm, Ph. D. I used pupil dilation to investigate cognitive correlates of psychopathology and the relationship of peripheral physiology to fMRI.
- 1993 – 1999 **Measurement Lab, San Diego State University.**  
With Georg Matt, Ph. D., I investigated rigorous methods of representing mental processes. This research centered on evaluating the validity of computational models of mental disorder, using fuzzy sets to represent memory for health related behaviors and meta-analyses of cognitive and treatment-outcome data.
- 1993 **Chicago Followup Study, University of Illinois at Chicago.**  
With Martin Harrow, Ph. D., I used neural network theory to explain the role of task difficulty in producing bizarre responses from individuals with schizophrenia. Additionally I provided computer support for the Chicago Followup Study, a longitudinal study of schizophrenia and depression.
- 1992-1993 **Institute for the Learning Sciences, Northwestern University.**  
With Clark Elliott, Ph. D., I modeled emotional reasoning processes on a computer with Clark Elliott. We were especially interested in modeling mood intensity, and the relationship of depression to creativity.
- 1991-1993 **Institute for the Learning Sciences, Northwestern University.**  
With Ken Forbus, Ph. D., and Dedre Gentner, Ph. D., I created computational models of qualitative and analogical reasoning and created visual abstractions of analogical processes.
- 1990-1991 **Cognitive Science Department, Brown University.**  
With Bill Warren, Ph. D., and Heinrich Bulthoff, Ph. D., I investigated the psychological and physiological bases of visually perceived transformations. I tested the hypothesis that people have multiple cognitive mechanisms for understanding continuous visually perceived change, based on the rate at which it occurs. Results were tied to neurophysiological research and ecological perceptivism.
- 1989 – 1991 **Artificial Intelligence Group, Brown University.**  
With Tom Dean, Ph. D., I investigated models of temporal cognition in continuous event systems and robot control in such systems, and designed a graphical robot control simulator.

### **Clinical Experience**

- 2003-present **Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine**  
I am currently piloting a Cognitive Control Training intervention for depression that involves completion of cognitive tasks that could improve emotion regulation.
- 2001-present **Western Psychiatric Institute and Clinic, University of Pittsburgh School of Medicine**  
Supervisor: Sandar Kornblith, Ph.D.  
I perform individual cognitive behavioral therapy for depression.
- 1998-1999 **Clarke Institute of Psychiatry, Toronto** Supervisors: Zindel Segal, Ph. D., Laurie Gillies, Ph. D., Bruce Christensen, Ph. D.  
I completed the Clarke Institute's APA approved clinical internship. Responsibilities included providing individual cognitive behavioral therapy for depression and interpersonal therapy for depression and borderline personality disorder, as well as neuropsychological testing. I attended weekly rounds, performed intakes, suitability assessments, and structured

- diagnostic interviewing.
- 1997 **Mental Health Clinical Research Center, UCSD** Supervisor: Chris Gillin, M.D.  
Evaluating appropriateness of individuals for clinical research, screening depressed individuals for appropriateness for Cognitive Behavioral Group Therapy treatment, evaluating individuals on novel neuropsychological tasks. Attend weekly inpatient and outpatient rounds for VA depression research unit.
- 1995-1997 **Mood Clinic, San Diego VA Medical Center** Supervisor: John McQuaid, Ph. D.  
Providing individual, couples, and group Cognitive Behavioral Therapy to veterans with features of depression, anxiety, and PTSD. Co-led “Cognitive Therapy for Depression” group. Provided psychological consultations to the VA spinal-cord-injury unit for patients with depression. Developed an auditory virtual reality intervention for PTSD in which patients are able to control the onset, volume, and character of auditory experiences relevant to triggers for their PTSD in the course of systematic desensitization. Screened patients for appropriateness for Cognitive Behavioral Therapy.
- 1995-1996 **PTSD Unit, San Diego VA Medical Center** Supervisor: Jeff Matloff, Ph. D.  
Provided outpatient therapy to veterans with PTSD. Other responsibilities included screening for appropriateness for groups and individual therapy, and administering and scoring a number of measures relevant to PTSD. Provided psychological consultations to the VA spinal-cord-injury unit. Developed computer programs to score a large number of PTSD measures regularly administered to veterans.
- 1994-1995 **Outpatient Clinic, San Diego State University** Supervisor: Jeannine Feldman, Ph. D.  
Provided outpatient counseling to individuals and couples from the San Diego community. Counseling was done using a variety of theoretical orientations.
- Summer 1994 **Psychiatric Inpatient Unit, UCSD Medical Center** Supervisor: William Perry, Ph. D.  
Provided neuropsychological consultation services for an 18 bed inpatient psychiatric unit on which all patients received brief neuropsychological screens. Performed neuropsychological and psychodiagnostic evaluations of inpatients with a wide variety of disorders. Led two hour group for patients on the unit.

### Other Professional Experience

- 1986 - **President**, Small Miracles Consulting (a private consulting firm).  
Statistical data analysis and survey design, graphics, artificial intelligence programming, database design, system consulting.
- 1993 **Consultant**, Uni\*Quality.  
Programming risk-analysis software for an international trading firm. Programming was done in Lisp and C. Graphic interfaces were developed in LispView. Database programming was done in SQL running on Sybase. Programs ran on Sun Sparc workstations.
- 1990 (summer), **Programmer/Analyst**, Institute for the Learning Sciences.  
Modeling qualitative reasoning and human analogical reasoning, developing graphic interface software in Lisp with CLIM for a “modeler’s workbench” which allows users to analyze qualitative and numerical models of physical systems, and creating educational software for use in schools and large corporations. All programs ran on IBM RISC/6000 workstations.
- 1991 - 1992 **Computer Consultant**, Brown University Computer Science Department.  
Maintaining and supporting Apollo and Sun software and hardware
- 1988 **Consultant/Programmer**, Abbott Laboratories.  
Software, system consulting, LOTUS 123 programming, accounting.
- 1984 - 1985 **Programmer**, The OMEGA Group.  
Developing user friendly graphical analysis software for analog to digital conversion

## Editorial Responsibilities

Associate Editor, <i>Cognitive Therapy and Research</i>	2006-
Consulting Editor, <i>Journal of Abnormal Psychology</i>	2006-
NIDA Study Section – Social Neuroscience RFA	2006
Editorial board, <i>Journal of Consulting and Clinical Psychology</i>	2004-
Editorial board, <i>Cognitive Therapy and Research</i>	1999-
NIDA Study section – Neuroscience of Behavioral Interventions RFA	2005
NIH Study section (BDCN-2) ad hoc reviewer	2003,2004
Guest Editor of special issue on Depressive Rumination for <i>Cognitive Therapy and Research</i>	2003
Reviewer for 7th International Conference on Knowledge-Based Intelligent Information & Engineering Systems	2003
WPIC seed grant committee	2003-
Ad hoc reviewer for various foundation grants and protocols including 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-
Ad hoc reviewer, VA Pittsburgh research committee	2000-
Ad hoc reviewer, WPIC research committee	1999-
Web Master, Connectionist Models of Cognitive, Affective, Brain, and Behavioral Disorders Program Committee, International Workshop on Neural Network Models of Cognitive and Brain Disorders.	1998-
Notes and Announcements Editor, <i>Cognitive Therapy and Research</i>	1997- 1998
Web Master, <i>Cognitive Therapy and Research</i> , currently a supplemental information site	1996-
Web Master, Cognitive Clinical Assessment Lab, San Diego State University	1996-
Web Master, Cognitive Clinical Assessment Lab, San Diego State University	1995-1999
Ad hoc Editorial Reviews for <i>American Journal of Psychiatry</i> , <i>Archives of General Psychiatry</i> , <i>Behavioral Neuroscience</i> , <i>Biological Psychiatry</i> , <i>Biological Psychology</i> , <i>Brain and Cognition</i> , <i>Cognition and Emotion</i> , <i>Cognitive, Affective, and Behavioral Neuroscience</i> , <i>Cognitive Therapy and Research</i> , <i>Clinical Psychology Review</i> , <i>Cognitive Processing</i> , <i>Emotion</i> , <i>European Journal of Neuroscience</i> , <i>Human Brain Mapping</i> , <i>IEEE Engineering in Medicine and Biology</i> , <i>International Journal of Psychophysiology</i> , <i>Journal of Abnormal Psychology</i> , <i>Journal of Affective Disorders</i> , <i>Journal of Consulting and Clinical Psychology</i> , <i>Journal of Experimental Psychology – Applied</i> , <i>Neuroimage</i> , <i>Psychological Assessment</i> , <i>Psychiatry Research – Neuroimaging</i> , <i>Psychophysiology</i>	1994-