**PATRICIA J. DELDIN, Ph.D.**
*The University of Michigan*

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## Education and Training

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|---|---|
| 1996 Ph.D. | University of Illinois, Urbana-Champaign<br>Major: Clinical Psychology<br>Minor: Biological Psychology<br>Dissertation: *Information Processing in Major Depression: The ERP Connection* |
| 1993-1994 | Internship University of Wisconsin Medical School, Department of Psychiatry |
| 1985 B.A. (With Honors) | University of Iowa, Iowa City<br>Major: Psychology |

## Academic, Administrative, and Clinical Appointments

Research Assistant, National Institutes of Health, 1985-1987
Assistant Professor, Harvard University, Department of Psychology, 1995-2000
Associate Professor, Harvard University, Department of Psychology, 2000-2003
Associate Professor, University of Michigan, Departments of Psychology & Psychiatry, 2003-2010
Associate Director, University of Michigan, Depression Center, 2008-Current
Professor, University of Michigan Department of Psychology, 2010-Current
Professor, University of Michigan Department of Psychiatry, 2011-Current

## Research Interests

Emotional information processing in mood disorders, schizophrenia and normal populations utilizing wake and sleep EEG, ERPs, fMRI/ERP (simultaneously recorded) and cardiovascular measures. My primary research program involves a series of recently completed and planned emotional information processing studies designed to understand the impact psychopathology has on memory, attention, inhibition and expectancy.

## Society Membership

Society for Research in Psychopathology
Society for Psychophysiological Research

## Grants

*Present and Active*:

2007-2012 NIMH R01: Jonides (PI)
Interference-resolution Mechanisms and Their Relevance to Depression
Role: Co-I, $2,737,099 (TDC)

2009-2012 MICH-R: Peltier, Deldin, & Domino (PIs)
NMDA Receptor Antagonism: Targets of Drug Discovery for Depression
Role: Co-PI, $46,404 (TDC)

2010 – 2012 American Foundation for Suicide Prevention Investigator Award: Kamali (PI)
Identification of Neurophysiological Markers of Suicidal Behavior and Impulsivity in Bipolar Disorder
Role: Mentor, $42,261 (TDC)

2010-2011 McKay Award, U-M Cardiovascular Center: Arnedt (PI)
Examining Sleep-Disordered Breathing as a Potential Mechanism of Cardiovascular Disease in patients with MDD
Role: Co-I $24,964 (TDC)

2010-2012 NIMH—RC4
Developing a sustainable consumer clearinghouse for translational depression and bipolar disorder research.
Role: PI, $998,274 (TDC)

2011-2104 Establishing Moderators and Biosignatures of Antidepressant Response for Clinical Care for Depression (EMBARC)
Role: Site Investigator

*Completed:*

2010-2011 MICH-R Pilot Grant Program, Kamali, M.D. (PI)
Identification of Neurophysiological Markers of Suicidal Behavior and Impulsivity in Bipolar Disorder.
Role: Co-I $48,781 (TDC)

2009 OVPR Technical Infrastructure Grant: Deldin (PI)
Community Server Software
Role: PI, $9,000 (TDC)

2007-2007 Depression Center Initiative Fund: Casement and Deldin (PIs)
Role: Co-PI, $8000 (TDC)

2001-2004 NSF: Cognitive Neuroscience Initiative: Ambady & Deldin (PIs).

Role: Co-PI, $272,917 (TDC)

2001 William F. Milton Fund
Role: PI, $25,000 (TDC)

1998 Harvard University Mind Brain and Behavior Interfaculty Initiative award: Deldin
Role: PI, $25,000 (TDC)

1997-2000 Stimson, Knox and Ditmars research funds
Role: PI, $15,000 (TDC)

1997 NIMH B/START
Role: PI, $25,000 (TDC)

1996-2001 Harvard University Innovative Instructor Award
Role: PI, $9,000 (TDC)

1996-2000 Clark Research Grant,
Role: PI, $9,000 (TDC)

1992-1993 NIMH NRSA Predoctoral Fellowship
Role: PI, $11,800 (TDC)

*Pending:*

2012-2017 NIMH—R01
ERP Indices of Response Inhibition in Psychotic and Affective Disorders
Role: PI, $999,526 (TDC)

2012-2017 NIMH—R01 (Langenecker, PI)
Neurophysiological RDOC for Mood Disorders
Role: Co-PI, $950, 987 (TDC)

*In preparation:*

2012-2015 NIMH R01: Cognitive Consequences of Sleep dysfunction in Major Depressive Disorder.
PI: Deldin, Co-PI: Armitage

2012-2015 NIMH R21: Neurophysiological indices of Emotional and Social dysfunction in Schizophrenia and Schizoaffective disorder.
PI: Deldin

Awards & Honors:

2011 – Fellow in the Association for Psychological Science

## Editorial Positions, Boards, and Peer-Review Service

2008-2011 Psychological Bulletin, Consulting editor

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| 2000-2005 | *Emotion*, Consulting editor |
| Ad hoc reviewer: | *Sleep*, *Cognition and Emotion, Biological Psychiatry, Health Psychology, Biological Psychology, Journal of AbnormalPsychology, Psychophysiology, Cognitive Therapy and Research, Archives of General Psychiatry, Psychosomatic Medicine, Journal of Cognitive Neuroscience.* |

## Teaching Experience

Michigan: Contemporary theories in clinical psychology (2004W, 2004F): biological aspects of psychopathology, topics in clinical psychology (2004F, 2005W, 2006F, 2007W, F, 2008 W, F, 2009 W, F 2010), special topics SCID seminar (2005W, 2007F, 2011F), psychopathology (2006W), special topic in mood disorder seminar (2006W, F, 2011W), theories in adult psychotherapy (2006F), SCID practicum (2009S), Map Team Supervisor (2010), Depression Center Internship (2009-2011) .

Harvard: Psychophysiology, abnormal psychology, advanced seminar in psychophysiology, mood disorder seminar, laboratory in psychophysiology.

## Committee, Organizational, and Volunteer Service

**University of Michigan:**

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| 2012-2013 | Faculty Award Committee |
| 2012-2013 | Faculty mentoring committee (Gearhardt) |
| 2012-2013 | Faculty mentoring committee ( Hyde) |
| 2011-2012 | Chair, Clinical Psychology hiring committee |
| 2010-2011 | Genes, Environment and Behavior hiring committee member |
| 2010-2012 | Brown Bag Chairperson |
| 2010-2011 | Executive Committee, Department of Psychology |
| 2008-2011 | National Network of Depression Centers, Board Member |
| 2008-Current | Depression Center Interdepartmental Depression Recruitment Committee Chair |
| 2008-Current | Associate Director, Depression Center |
| 2008-2009 | Review committee and chairperson (Lecturer: Hansell) |
| 2007, 2008, 2012 | Admissions Chairperson, Clinical Psychology |
| 2007, 2012 | Augmented Executive Committee, Psychology |
| 2006-2008 | Graduate Committee, Psychology |
| 2006-2008 | Faculty Mentoring Committee (Pole) |
| 2005-2008 | Executive Council, Depression Center |
| 2005-2007 | Clinical Practicum Committee, Psychology |
| 2005-2006 | Co-chair, research recruitment committee, Depression Center |
| 2004-Current | Steering Committee, Depression Center |
| 2004, 2009-2012 | Clinical Psychology Admissions committee member |

**Harvard University:**

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| 1998 | Harvard Faculty Council |
| 1998-2001 | Harvard Institutional Review Board |
| 2000-2003 | Standing Committee on Mind, Brain and Behavior |

**Harvard Psychology Department:**

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| 1998-1999: | Junior Cognitive Search Committee member |
| 1997-1998: | Junior Psychopathology Search Committee member |

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| 1996-1999: | Co-chair of the Library Committee |
| 1996-98, 2000-02: | Committee on Higher Degrees |
| 1996-2002: | Admissions Committee |
| 1995-1996: | Co-chair of the Colloquium Committee |
| 1995-1996: | Committee on Undergraduate Instruction |

**National:**

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| 2012 | Society for Research in Psychopathology Convention local host |
| 2009-2011 | National Network of Depression Centers, Governing Board |
| 2009-Current | National Network of Depression Centers, Education and Research Domain committees |
| 2009-Current | Board of Directors, Society for Research in Psychopathology |
| 2008 | Smadar Levin Award Judge, Society for Research in Psychopathology |
| 2008 | National Network of Depressions Centers, Founding Board Member |
| 2008 | National Network of Depression Centers, Governance Task Force member |
| 2005 2007- 2009 | NIMH ZMH1 ERB-C Translational Research and Integrative Behavioral Sciences grant review committee |
| 2005-08,2010-12 | NIMH ZMH1 ERB-M C3 S, LRP grant review committee |
| 2005 | Nomination Committee, Society of Psychophysiological Research |
| 2000 | Program Chairperson for the Society of Psychophysiological Research, San Diego, CA. |
| 1998-2002 | Standing Committee on Mind, Brain and Behavior |
| 1992, 1999-2001 | Program committee member for the Society of Psychophysiological Research |

## Consulting Positions

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| 2005-Current | Advisory Committee on Women in the Society of Psychophysiological Research |
| 1996-2002 | Consultant for the National PTSD Center ERP Laboratory |

## Extramural Invited Presentations

Deldin, P.J. et al (2011) Participation in Research, Depression Bipolar Support Alliance (DBSA), conference, Dallas, TX.

Deldin, P.J. (2011a) Emotional information processing in major depression. Chong Qing, China (Third Military Medical University)

Deldin, P.J. (2011b) Emotional information processing in major depression. Chong Qing, China (Southwest University)

Deldin, P.J. (2011) Advisory Board Meeting (DBSA) Participating in research. Washington, D.C.

Deldin, P.J. (2011) Cognitive and Neurophysiological Emotional Information Processing Biases in Major Depression (Ohio State University)

Deldin, P.J. (2009). Participating in Research. DBSA, Indianapolis, IN

Deldin, P.J. (2009) ERP investigations of memory biases in mood disorders. University of Michigan, Comprehensive Depression Center, Ann Arbor, MI.

Deldin, P.J. (2008). The psychophysiology of rose-colored lenses. University of Ghent, Belgium

Deldin, P.J. (2006). The psychophysiology of rose-colored lenses: Implications for Neuroeconomics. University of Austria.

Deldin, P.J. (2002). ERP investigations of memory biases in mood disorders. New England Medical Center Grand Rounds, Boston, MA.

Deldin, P.J., Chiu, P., & Shestyuk, A. (2001). ERP investigations of memory biases in major depression. Society for Psychophysiological Research, Montreal, Canada

Deldin, P.J. (2000). Memory biases in major depression. Maher Festshrift, Cambridge, MA.

Kimble, M., Kaloupek, D., Kaufman, M. & Deldin, P.J. (2000) Novelty P300 paradigms in PTSD. Society for Psychophysiological Research, San Diego, California

Deldin, P. & Casas, B. (1999). Emotion, Cognition & Biology in research on depression. Society for Research in Psychopathology.

## Publications (**graduate students in bold**, ***undergraduates in bold and italicized***):

**Cheng, P.,** ***Rudowski, M., Girz, L.,*** Chang, E., Deldin, P. *(under review).* Rumination as a mediator between Perfectionism and Major Depression.

**Cheng, P.,** Preston, S., Jonides, J., **Hofelich, A.,** ***Thummula, K***., **Hsing, C.,** Deldin, P. (*under review*) Early Attentional Biases in Major Depressive Disorder.

***Girz, L*.., Casas, B,** & Deldin, P.J. (*in revision*). Delusions, Memory, and Negative Affect in Schizophrenia and Schizoaffective Disorder. *Journal of Abnormal Psychology.*

**Cheng, P., Casement, M., Chen, C.,** Hoffman, R., Armitage, R., Deldin,P. (*in revision*) Sleep Disordered breathing in Major Depression. *Journal of Sleep Research.*

**Demiralp, E.** Thompson, R. J., Mata, J., Jaeggi, S. M., Buschkuel, M., Barrett, L. F., Ellsworth, P.C., Demiralp, M., Hernendez-Garcia, L. Deldin, P. J., Gotlib, I.H., Jonides, J. (*in press*) Feeling Blue or Turquoise? Emotional Differentiation in Major Depressive Disorder. *Psychological Science*.

Kross, E., Gard, D, Deldin, P.J., Clifton & Ayduk, O. (2012). "Asking why" from a distance: Its cognitive and emotional consequences for people with Major Depressive Disorder. *Journal of Abnormal Psychology, 121(3)*, *559-569.*

**Tso, I. F.,** ***Mui, M. L.,*** Taylor, S. F., & Deldin, P.J. (2012). Eye-contact perception in schizophrenia: Relationship with symptoms and socio-emotional functioning, *Journal of Abnormal Psychology*, 121(3), 616-627.

**D'Andrea-Merrins, W., Chiu, P. Casas, B.** & Deldin, P. J. (2012). Linguistic predictors of PTSD symptoms following the 9/11 attacks. *Applied Cognitive Psychology* , *26*, 316-323.

**Berman, M.G.,** Kross, E., Krpan, K.M **Askren, M. K.,** Burson, A., Deldin, P.J., Kalan, S., Sherdell, L.,

Gotlib, I. H., Jonides, J. (2012). Interacting with Nature Improves Cognition and Affect for Individuals with Depression. *Journal of Affective Disorder*, 140(3), 300-5.

**Demiralp, E.** Thompson, R. J., Mata, J., Jaeggi, S. M., Buschkuel, M., Barrett, L. F., Ellsworth, P.C., Demiralp, M., Hernendez-Garcia, L. **Deldin, P. J**., Gotlib, I.H., Jonides, J. (*in press*) Feeling Blue or Turquoise? Emotional Differentiation in Major Depressive Disorder. *Psychological Science*.

**Berman, M. G.,** Peltier, S., **Nee, D. E.,** Kross, E., Deldin, P. J. & Jonides, J. (2011). Depression, rumination, and the default network. *Social, Cognitive & Affective Neuroscience,* 6, 548-55.

***Erhmann, D. E***. & Deldin, P. J. & Pitt, B. (2011). Is sleep apnea a potential link between major depressive disorder and cardiovascular disease? *International Journal of Cardiology*, 147, 1-3.

**Berman, M. G., Nee, D. E., Casement, M., Kim, H. S**., Deldin, P. J., Kross, E., Gonzalez, R., Gotlib, I. H., Hamilton, P., Joorman, J., Waugh, C. & Jonides, J. (2011). Neural and Behavioral effects of interference resolution in depression. *Cognitive, Affective & Behavioral Neuroscience*, 11, 85-96.

**Tso, I.F., Chiu, P. H., King-Casas, B. R**., Deldin, P.J. ( 2011). Alterations in Affective Processing of Attack Images Following September 11, 2001. *Journal of Traumatic Stress*, *24,* 538–545

Pitt, B., & Deldin, P.J. (2010). Depression and Cardiovascular Disease : Have a Happy Day-Just Smile *European Heart Journal, 31,* 1036-1037.

Klumpp, H., **Keller, J.**, Miller, G., **Casas, B.,** ***Best, J.*** & Deldin, P. J. (2010). Semantic processing depression and schizophrenia. *International Journal of Psychophysiology,75,* 211-215.

**Shestyuk, A. Y., &** Deldin, P. J. (2010). Automatic and Strategic Representation of the Self in Major Depression. *American Journal of Psychiatry, 167*, 536-544.

Klumpp, H. & Deldin, P. J. (2010). Review of Brain Functioning in Depression for Semantic Processing and Verbal Fluency. *International Journal of Psychophysiology, 75* 77-85.

**Tso, I. F., Chun, J. S**., & Deldin, P. J. (2010). Schizoaffective disorder. In I. B. Weiner & W. E. Craighead (Eds.), *Corsini's Encyclopedia of Psychology* (4th ed.). New York: Wiley.

Deldin, P. J., ***Naidu, S***., **Shestyuk A., Casas B.,** (2009). Neurophysiological indices of free recall memory biases in major depression: The impact of stimulus arousal, *Cognition and Emotion* 23, 1002–1020.

Wright, S. L. Langenecker, S.A., Deldin, P.J., Rapport, L.J., Nielson, K.A., Kade, A.A., Own, L.S., Akil, H., Young, E.A., & Zubieta, J-K. (2009) Gender Specific Changes in Emotion Processing in Younger Adults with Depression. *Depression and Anxiety, 182-189.*

**Casement, M. D., Shestyuk, A. Y.** ***Best, J. L.*** **Casas, B. R.** & Deldin, P.J. (2008). Brain and behavioral indicators of expectancy for affective events in dysthymia, *Biological Psychology***,** 77 (2), 197-204.

**Phillips, L. K.,** Voglmaier, M. M., & Deldin, P. J. (2007). A preliminary study of emotion processing interference in schizophrenia and schizoaffective disorder. *Schizophrenia Research,* 94, 207-214.

**Chiu, P**. & Deldin, P. J. (2007). Neural evidence for enhanced error-detection in major depressive disorder. *American Journal of Psychiatry,* 164, 608-616.

***Zarrinpar, A*.,** Deldin, P. J., Kosslyn, S. (2006). Effects of Depression on Sensory/Motor versus Central Processing in Visual Mental Imagery. *Cognition and Emotion, 20 (6)* 737-758.

**Deveney, C. M**. & Deldin, P. J. (2006). Cognitive Flexibility for Emotional Information in Major Depressive Disorder and non-psychiatric controls, *Emotion*, 6 (3), 429-437.

Deldin, P.J., **Phillips, L**., & Thomas, R. (2006). A preliminary study of Obstructive Sleep Disordered Breathing in Major Depressive Disorder, *Sleep Medicine*, 7 (2), 131-139.

Deldin, P. J., **Keller, J**., **King-Casas, B. R., *Best, J.*** Gergen, J. & Miller, G. A. (2006). Normal N400 in Mood Disorders, *Biological Psychology, 71,* 74-79.

Ambady, N., **Chiao, J., Chiu, P.** & Deldin, P.J. (2006). Race and emotion recognition: insights from a social neuroscience perspective. In Cacioppo, J. Visser and Pickett, Eds. *Social neuroscience: people thinking about people, 209-227.*

Deldin, P.J. & ***Chiu, P***. (2005). Cognitive restructuring and EEG in major depression, *Biological Psychology* 70 (3), 141-151

**Phillips, L.K**., Deldin, P.J., Voglmeir, M. & ***Rabbitt, S***. (2005) Emotional stroop performance predicts disorganization in schizophrenia. *Schizophrenia Research, 77, 141-149.*

**Shestyuk, A.Y.,** Deldin, P. J., ***Brand, J. E*., & Deveney, C. M**. (2005). Reduced sustained brain activity during processing of positive emotional stimuli in major depression, *Biological Psychiatry, 57 (10), 1089-1096*.

Kimble, M.O., ***Ruddy, K.,*** Deldin, P., & Kaufman, M. (2004). A CNV-distraction paradigm in combat veterans with posttraumatic stress disorder. *Journal of Neuropsychiatry and Clinical Neuroscience*, 16, 102-108

**Gray, H. M.,** Ambady, N., Lowenthal, W. T., & Deldin, P. (2004) P300 as an index of attention to self relevant stimuli. *Journal of Experimental Social Psychology*, 40, 216-224

**Deveney C**. & Deldin P. J. (2004). Memory of Faces: A slow wave ERP study of depression. *Emotion, 4(3)*295-304.

**Chiu, P.,** Ambady, N., & Deldin, P. J. (2004). Contingent Negative Variation to emotional in- and out-group stimuli differentiates high- and low- prejudiced individuals. *Journal of Cognitive Neuroscience, 16 (10) 1830-1839.*

Deldin, P.J., **Shestyuk, A., Chiu, P.** (2003). Event-related potential indices of memory biases in major depression. In Lenzenweger, M.F., & Hooley, J.M., (Eds.), *Principles of experimental psychopathology*. Washington, DC: American Psychological Association.

***Tomb, I*.,** Hauser, M., Deldin, P. J., & Caramazza, A. (2002). Do somatic markers mediate decisions on the gambling task? *Nature Neuroscience*, 5, 3-4.

Deldin, P.J., ***Deveney, C. M., & Kim, A.*****, Casas, B.** ***Best, J***. (2001). A slow wave investigation of working memory processing in mood disorders. *Journal of Abnormal Psychology,* 110 (2), 267-281.

Maher, B., & Deldin, P.J. (2001). Schizophrenias: Biopsychsocial aspects. In H.E. Adams and P.B, Sutker (Eds). *Comprehensive Handbook of Psychopathology, 3rd ed.,* NY: Plenium.

**Schneider, F.** & Deldin, P.J. (2001). Genetics and schizophrenia. In H.E. Adams and P.B, Sutker (Eds). *Comprehensive Handbook of Psychopathology, 3rd ed*., NY: Plenium.

Deldin, P.J., Keller, J., & Gergen, J.A., Miller, G.A., (2001). Cognitive bias and emotion in neuropsychological models of depression. *Cognition and Emotion*, 15, 787-802.

**Woodward, S.A**., McManis, M.H., Kagan, J., Deldin, P.J., Snidman, N. Lewis, M. & Kahn, V., (2001). Infant temperament and the brainstem auditory evoked response in later childhood. *Developmental Psychology*.

Keller, J., Nitschke, J.B., Bhargava, T., Deldin, P.J., Gergen, J.A., Miller, G.A., & Heller, W. (2000). Neuro-psychological differentiation of depression and anxiety. *Journal of Abnormal Psychology*, 109, 3-10.

Deldin, P.J., Keller, J., Gergen, J.A., Miller, G.A. (2000). Right-posterior face processing anomaly in depression. *Journal of Abnormal Psychology,* 116-121.

Kimble, M.O., Kaloupek, D., Kaufman, M, & Deldin, P. (2000). Stimulus novelty differentially affects attentional allocation in PTSD. *Biological Psychiatry, 47(10), 880-890.*

Deldin, P.J. (1996). Information processing in major depression: The ERP connection. Dissertation.

Deldin, P.J., Duncan, C.C., & Miller, G.A. (1994). Season, gender, and P300. *Biological Psychology*, 39,15-28.

Yee, C.M., Deldin, P.J., & Miller, G.A. (1992). Early stimulus processing in dysthymia and anhedonia. *Journal of Abnormal Psychology*, 101, 230-233.

Duncan, C. C, Mirsky, A. F., Deldin, P. J., Skwerer, R. G., Jacobsen, F. M. & Rosenthal, N. E. (1991) P300 as an index of treatment response in seasonal affective disorder. In C. N. Stefanis (Ed.), *Psychiatry: A World Perspective*, 2, 398-401. New York: Elsevier.

Duncan, C.C., Mirsky, A. F., Deldin, P.J., Skwerer, R.G., Jacobsen, F.M. & Rosenthal, N.E. (1991). Brain potentials index treatment response in seasonal affective disorder. In Ansseau, Frenckell, & Franck, (Eds.), *Biological Markers of Depression: State of the Art*. New York: Elsevier.

Levin, I. P., Johnson, R. D., Deldin, P. J., Carstens, L.M., Cressey, L.J., & Davis, C.R. (1986). Framing effects in decisions with completely and incompletely described alternatives. *Organizational Behavior and Human Decision Processes,* 38, 48-64.

Deldin, P. J. & Levin, I. P. (1986). The effect of mood Induction in a risky decision-making task. *Bulletin of the Psychonomic Society*, 24, 4-6.

Levin, I.P., Johnson, R.D., Russo, C.P., & Deldin, P.J. (1985). Framing effects in judgment tasks with varying amounts of information. *Organizational Behavior and Human Decision Processes*, 36, 362-377.

## Conference Presentations:

***Dolsen, M.***, **Cheng, P.**, **Casement, M**., Chen, C., Hoffmann, R., Armitage, R., Deldin P. (2012) *Sleep Disordered Breathing in Major Depressive Disorder*. Annual Meeting for the Society for Research in Psychopathology (SRP), Ann Arbor, MI

***Wilcox, M***., **Cheng, P.**, **Casement, M**., **Goldschmied**, **J., Kim**, Armitage, R., Deldin, P. (2012) *Emotional Contagion in Major Depressive Disorder*. Annual Meeting for the Society for Research in Psychopathology (SRP), Ann Arbor, MI

***Dolsen, M.***, **Cheng, P.**, **Casement, M.**, **Kim, H.**, **Goldschmied**, J., Hoffmann, R., Armitage, R., Deldin, P. (2012) Annual Meeting for the Sleep Research Society (APSS), Boston, MA.

**Goldschmied, J.**, **Cheng, P.**, Hoffmann, R., Arnedt, T., Armitage, R., Deldin, P. (2012) *Sleepiness and its Relationship to Stage 4 Sleep.* Annual Meeting for the Sleep Research Society (APSS), Boston, MA.

***Dolsen, M.,*** **Cheng, P.**, ***Girz, L., Rudowski,*** M., Chang, E., Deldin, P. (2012) *Understanding Perfectionism, Rumination, and Depression in an Adult Clinical Population.* Annual Meeting for the American Psychological Science (APS), Chicago, IL.

**Cheng, P.**, **Casement, M., Kim, H**., **Goldschmied, J**., Hoffmann, R., Armitage, R., Deldin, P. (2011) *Predictors of Hopelessness in Major Depression.* Annual Meeting for the Sleep Research Society (APSS), Minneapolis, MN.

**Goldschmied, J**., **Cheng, P.**, **Kim, H., Casement**, M., Hoffmann, R., Armitage, R., Deldin, P. (2011) *Slow-wave Sleep Disruption and the Recognition of Positive Words.* Annual Meeting for the Sleep Research Society (APSS), Minneapolis, MN.

**Goldschmied, J.**, **Cheng, P.**, **Kim, H**., **Casement,M**., Hoffmann R., Armitage, R., Deldin,P. (2010). *The Effects of Slow Wave Sleep Disruption on Positive and Negative Word Recognition in Depressed Outpatients and Healthy Controls*. Annual meeting for the Society for Psychophsiological Research, Portland, OR.

**Cheng, P.**, Rollins, C., **Kim, H**., Shestyuk A., Deldin, P. (May 2010). *Attentional Control and Memory Biases in Major Depression.* Annual convention of the American Psychological Science, Boston, MA.

Cheng, P., Goldschmied, J., Casement, M. Liu, P. Hoffmann, R.H. Armitage, R., Deldin P.J. (2010). Slow Wave Sleep Enhancement and Positive Mood in Depressives and Controls. APSS.

Chung, J.S., Peltier, S. Deldin, P.J. (2010). Prolonged P300 latency and reaction time in different experimental conditions in simultaneous EEG/fMRI data acquisition. Human Brain Mapping.

Chung, J. S., Marzinzek, F., Manshreck, T, Maher, B. & Deldin, P. J. (2008). Go-No/go in schizophrenia and schizoaffective disorders. (2008). Society for Research in Psychopathology. Pittsburgh.

Berman, M., Nee, D. Deldin, P., Casement, M., Sook Kim, H., Jaeggi, S., Buschkuehl, M., Behnke, C. Bissett, P., Cheng, P., Thummala, K., and Jonides, J. (2008). A chronometric analysis of cognition in depression. Cognitive Neuroscience Sciences.

Tso, I. F., Grove, T. B., Chen, A. C., Deldin, P. J. Taylor, S**.** Self-assessment of Negative Affect and Stress Sensitivity in Schizophrenia: Reliability and Predictive Validity *(*2008) Biological Psychiatry's 63rd Annual Scientific Program and Convention.

Casement, M, Hoffman, R. F., Gupta, S., Deldin, P.J., & Armitage, R. (2008). Periodicity of Beta Activity during sleep in MDD.

Casement, M.D., Thummala, K., Kwek, J, Rudowski, M., & Deldin, P.J. (2008). Learning to Decide: The

impact of sleep and time.

Jimenez, A. M., Shestyuk, A. Y., Casas, B. R., Knight, R. T. & Deldin, P. J. (2007). Neural Correlates of Cognitive Biases in Processing of Emotional Pictures in Major Depression. Cognitive Neurosciences, New York.

Langenecker, S. A., Kade, A., Wright, S. L., Deldin, P.J., Nielson, K. A., Young, E. A., Akil, H. Own, L. S., & Zubieta, J.K. (2007). Emotion Processing by Stimulus Type and Gender in Major Depressive Disorder. Cognitive Neurosciences, New York.

Marks, C. E., Keller, J. Deldin, P.J. & Miller, G. A. (2006) N400 Indexes emotional biases in schizophrenia. Society for Research in Psychopathology, San Diego.

Chen, C.F., Deldin, P.J., Hoffman, R., Lee, M., Armitage, R. (2006) Sleep disordered breathing in major depression: an archival study. Society for Research in Psychopathology, San Diego.

D'Andrea-Merrins, W., Deldin, P., Casas, B., and Chiu, P. (2006). Linguistic Predictors of PTSD Symptoms Following the 9-11 Attacks. ICSS.

Pole, N., Chiu, P., Casas, B. R., & Deldin, P.J. (2006) Predictors of PTSD Symptoms Six Months Following the September 11th Attacks. Society for Psychophysiological Research, Vancouver.

Shestyuk, A. & Deldin, P. J. (2006). Trait and state abnormalities in automatic and strategic processing during self-referential encoding in major depression. Society for Psychophysiological Research, Vancouver.

Casement, M. D., Shestyuk, A. Y., Best, J. Casas, B. R., Deldin, P.J. (2006). Contingent negative variation as an indicator of affective processing in mood disorders. Society for Psychophysiological Research, Vancouver.

Chiu, P., Deldin, P. J. (2006). Emotion modulated response monitoring in schizophrenia. Society for Psychophysiological Research, Vancouver.

Phillips, L. Deldin P.J. & Thomas, T. (2004). Obstructive Sleep Disordered Breathing in. Major Depressive Disorder. The Associated Professional Sleep Societies 18th Annual Meeting, Philadelphia, Pennsylvania.

Phillips, L., Deldin, P. J. & Rabbitt, S. (2004). Affective Reactivity, Selective Attention, & Laterality in Psychosis. Mass Neuropsychological Society 13th Annual Scientific Symposium, Boston, MA

Chiu, P. & Deldin, P.J. (2004) Motivated response monitoring in schizophrenia and major depression. Society for Psychophysiological Research. (Winner of Best student poster award)

Phillips, L., and Deldin, P. (2003). Exploration of affective reactivity in psychosis. Society for Research in Psychopathology. Toronto, Canada.

Deveney, C. & Deldin, P. (2003). Valence specific cognitive inflexibility in major depression. Society for Research in Psychopathology. Toronto, Canada.

Shestyuk A. & Deldin P. (2003). Negative slow wave during encoding of emotional stimuli in a free recall task.

Society for Psychophysiological Research. Chicago, IL

Gray, H. M., Ambady, N., Lowenthal, W. T., & Deldin, P. (2003). P300 as an index of sensitivity to self-relevant information. Poster presented at the 15th Annual Meeting of the American Psychological Society, Atlanta, GA

Gray, H. M., Ambady, N., Chiu, P., David, D., & Deldin, P. J. (2002) Effects of gender priming on the processing of mathematical and verbal stimuli: An ERP investigation. Poster presented at the Third Annual Meeting of the Society for Personality and Social Psychology, Savannah GA.

Chiu, P. Ambady, N., & Deldin, P. J. (2001). The late positive potential in response to emotional in- and out-group faces. Society for Psychophysiological Research, Montreal.

Shestyuk, A., Deldin, P. J., Brand, J. & Deveney, C. (2001). Memory biases in depression: Slow-wave processing during encoding and retrieval. Society for Psychophysiological Research, Montreal

Zarrinpar, A., Deldin, P., and Kosslyn, S.M. (2000). "Mental Imagery in the Depressed: The role of prefrontal dorsolateral cortical hypoactivation." Presented at the American Psychiatric Association Conference.

Chiu, P., Deldin, P. & Ambady, N. (2000). The CNV response to emotional in- and out-group stimuli. Society for Psychophysiological Research, San Diego.

Deveney, C. & Deldin, P.J. (2000). Processing of emotional faces in depressed and non-depressed individuals: A slow wave ERP analysis. Society for Psychophysiological Research, San Diego.

Naidu, S., Deldin, P.J., Deveney, C. & Shestyuk, A. (2000). Differentiaal Cognitive processing of valenced information in depression as measured by ERPS. Society for Psychophysiological Research, San Diego.

Shestyuk, A., Deldin, P., Deveney, C. & Naidu, S. (2000). Working memory processing of valenced self-relevant information in major depression. Society for Psychophysiological Research, San Diego.

Casa, B. Deldin, P.J., Maher, B. Manschreck, T., Kantrowitz-Rollins, C. Redmond, D. & Rosato, M. (2000) Contextual processing in schizophrenia and schizoaffective disorder. Society for Psychophysiological Research, San Diego.

Woodward, S. McManis, M. H. Kagan, J., Deldin, P.J., Snidman, N. Lewis, M. & Shissler, T. (2000). Children looking at pictures: individual differences in startle modulation. Society for Psychophysiological Research, San Diego.

Ruddy, K., Kimble, M. & Deldin, P.J. (2000). A study of CNV in PTSD. Society for Psychophysiological Research, San Diego.

Woodward, S., McManis, M., Deldin, P.J., Snidman, N., Lewis, M. (1999). ERPs to two types of novel pictures in a visual oddball paradigm presented to inhibited and uninhibited ten-year-old children. Society for Research Child Development.

Ruddy, K. Kimble, M.& Deldin, P.J. (1999). Event-related potential indices of attentional disturbances in PTSD.

Marzinzik, F., Deldin, P., Manschreck, T., Redmond, D. (1999). Inhibition dysfunction and event-related potentials in schizophrenia and schizoaffective disorder.

Deveney, C. M., Deldin, P. J., Kim, A., & Best, J. L., (1999). Memory processing biases in nondepressed and with mood disorders: A slow wave investigation.

Chang, B., Deldin, P.J., Kim, A.,Casas, B., Chiu, P., Best, J.L. (1999). PINV and it's relation to psychopathology: an exploration of depressive cognitive processing.

Woodward, S.A., McManis, M.H., Snidman, N., Deldin, P.J., Lewis, M., Kahn, V., & Kagan, J.(1999). Relation between four-month infant reactivity classification and brain stem auditory evoked potentials at 10 years.

Casas, B., Deldin, P., Maher, B.Manschreck, T., Kantrowitz-Rollins, C., Redmond, D., Rossato,M (1999). Society for Research in Psychopathology.

Deldin, P. J., Casa, B. R. (1999). Emotion, cognition and biology: conceptual and phenomenological boundaries in psychopathology. Society for Research in Psychopathology, Montreal.

Deldin, P. & Chiu, P. (1998) Cognitive restructuring of EEG patterns in mood disorders. Annual meeting of the Society for Psychophysiological Research, Denver, Co.

Casas, B., Deldin P.J., & Best, J.L.(1998). Semantic and emotional expectancy in major depression and dysthymia. Annual meeting of the Society for Psychophysiological Research, Denver, Co.

Best, J.L. & Deldin, P.J. (1998). Cognition in the depressive disorders: The CNV link to the expectation of emotional information. Annual meeting of the Society for Psychophysiological Research, Denver, Co.

Deldin, P.J., Keller, J., Gergen J.A., Miller, G.A. (1997). Emotional information processing: The effects of depression on P300. Annual meeting of the Society for Psychophysiological Research, Cape Cod, MA.

Kimble, M.O., Kaloupek, D & Deldin P. (1997). Auditory ERPs to novel sounds in Vietnam combat veterans.

Paper to be presented at the 13th Annual Meeting of the International Society of Traumatic Stress Studies, Montreal, Canada.

Deldin, P.J., Keller, J., Gergen J.A., Miller, G.A. (1996). Emotion Cognition: ERP evidence of anomolous processing in depression. Sixth International Congress on Cognitive Neurosciences, Asilomar, CA.

Deldin, P.J., Keller, J., Gergen J.A., Miller, G.A. (1996). Evidence for right parietal dysfunction in major depression. Annual meeting of the Society for Psychophysiological Research, Atlanta.

Keller, J., Bhargava, T., Deldin, P. J., Gergen, J. A., Heller, W., Miller, G. A. (1996). Annual meeting of the Society for Psychophysiological Research, Atlanta GA.

Miller, G.A., Deldin, P.J., Keller, J., Gergen, J.A. (1995). Emotional processing in Depression. Annual meeting of the American Psychological Association, New York.

Keller, J., Deldin, P.J., Gergen, J.A., Miller, G.A. (1995). Evidence for a semantic processing deficit in

depression. Annual meeting of the Society for Psychophysiological Research, Toronto.

Deldin, P.J., Miller, G. A. & Gergen, J. A. (1991). Partial evidence for P50 suppression in Schizophrenia. Annual Meeting of the Society for Research in Psychopathology, Cambridge, MA.

Etienne, M.A., Deldin, P.J., Giese-Davis, J. & Miller, G.A. (1990). Differences in EEG distinguish populations at risk for psychopathology. Annual meeting of the Society for Psychophysiological Research, Boston.

Deldin, P.J., Duncan, C.C., & Miller, G.A. (1989). Evidence for seasonal effects on P300. EPIC IX, the Ninth International Conference on Event-Related Potentials of the Brain, Noordwijk, The Netherlands.

Deldin, P.J., Duncan, C.C., & Miller, G.A. (1989). Effects of gender and daylight exposure on P300. Annual meeting of the Society for Psychophysiological Research, New Orleans.

Duncan, C.C., Deldin, P.J., Mirsky, A.F., Skwerer, R.G., Jacobsen, F.M. & Rosenthal, N.E. (1989). Annual meeting of the Society for Psychophysiological Research, New Orleans.

Yee, C.M., Deldin, P.J., & Miller, G.A. (1988). Perceptual processing in anhedonia and dysthymia. Annual meeting of the Society for Psychophysiological Research, San Francisco.

## CLINICAL EXPERIENCE OVERVIEW

### Psychotherapy

Individual Adults. Clients presented with a variety of problems including depression, anxiety, relationship difficulties, post-traumatic stress disorder, psychosomatic complaints, and rape survivor issues. Cognitive-behavioral, psychodynamic, interpersonal, and feminist approaches.

Group. Designed, recruited, screened, and co-led a time-limited therapy group for women survivors of childhood sexual abuse. The group included immediate post-session supervision with group observers and group leaders. Extensive experience in leading CBT and depression groups and DBT and borderline personality disorder groups.

Marital and Family. With co-therapists, worked with couples and families with a variety of presenting problems ranging from dealing with the effects of a gang rape to financial strains.

Infant, Child and Adolescent. Group and individual treatment with children 9 weeks to 17 years old.

### Assessment

Psychiatric Assessment. Diagnostic interviews with psychiatric inpatients, using structured interviews, projective tests and objective tests. SCID practicum supervisor.

Neuropsychological Assessment. Administered a variety of neuropsychological tests to children. Full assessments were written and feedback was given to parents.

### Crisis

Crisis Intervention: For two years, worked weekly shifts as a crisis counselor responding to phone and walk in

crisis calls.

Hospital ER: Psychiatric consults and evaluations of patients arriving at the hospital through ER.