

MARY C. DAVIS

Curriculum Vitae

Department of Psychology
Arizona State University
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Education

1994 University of Pittsburgh, (Clinical Psychology), Ph.D.
1989 University of Pittsburgh, (Clinical Psychology), Master of Science
1979 University of Idaho, (Bacteriology), Bachelor of Science

Licensure

1995-present License Number 3172, Arizona State Board of Psychologist Examiners

Academic Positions

2008-present Professor, Department of Psychology, Arizona State University
2000-2008 Associate Professor, Department of Psychology, Arizona State University
2007-2010 Associate Professor, Department of Basic Medical Sciences
University of Arizona School of Medicine, Phoenix, AZ
1994-2000 Assistant Professor, Department of Psychology, Arizona State University

Fellowships and Awards

1975-1979 State of Idaho Scholar
1978-1979 Mortar Board Honor Society
1987 Scott M. Bassell Award for Excellence in Performance, Department of Psychology,
University of Pittsburgh
1987-1991 National Heart, Lung, and Blood Institute Predoctoral Fellow
Cardiovascular Behavioral Medicine
1999 College of Liberal Arts and Sciences Excellence in Advising Nominee
Arizona State University
1999, 2004 College of Liberal Arts and Sciences Distinguished Teaching Nominee
2011-present Fellow, Association for Psychological Science
2011-present Elected Member, Academy of Behavioral Medicine Research
2015, 2016 Graduate Mentor Award Finalist, Arizona State University

Grants

Awarded

R01HD086085 National Institute of Child Health and Human Development (2016-2021)

“Genetic and Environmental Origins of the Development of Pain in Children”

\$2,901,592 (total costs)

Role: Multiple Principal Investigator (with Kathy Lemery-Chalfant)

Department of Defense (2015-2017)

“Neurogenic Tremors Training (TRE) for Stress and PTSD: a Controlled Clinical Trial -

\$494,859 (total costs)

Role: Consultant (with Martha Kent)

Mayo Clinic (2015-2016)

“Mindfulness Based Resilience Training for Employees at Mayo Clinic”- \$40,000 (total costs)

Role: Co-Investigator (with Cynthia Stonnington)

Veteran Health Administration Women’s Health Services (2015-2016)

“Acupuncture and Mindfulness Interventions for Women with Chronic Pain” - \$40,000 (total costs)

Role: Consultant (with Heather Okvat)

R01AR053245 National Institute of Arthritis and Musculoskeletal and Skin Diseases (2007-2014)

“Fibromyalgia: Interventions for Pain and Mood Regulation” - \$3,070,151 (total costs)

Role: Principal Investigator

Arizona Institute for Mental Health Research (2010-2012)

“Emotional Resilience in Fibromyalgia: A Pilot Study of Web-based Treatment”-

\$25,000 (total costs)

Role: Principal Investigator

R01AG26006 National Institute on Aging (2005-2010)

“Resilience and Health in Communities and Individuals” - \$3,556,855 (total costs)

Role: Co-Investigator (Alex Zautra and John Hall, MPIs)

R21HL088612 National Heart, Lung, and Blood Institute (2009-2011)

“The Effects of Affectionate Touch Between Spouses on Mood and Cardiovascular Responses to Laboratory Stress” - \$366,168

Role: Co- Investigator (with Mary Burleson)

R01AG26006 National Institute on Aging Administrative Supplement (2007-2009)
"Resilience and Health in Communities and Individuals"- \$200,000 (total costs)
Role: Co-Investigator (with Alex Zautra)

Arizona Institute for Mental Health Research (2008-2010)
"Building Resilience: A Neurobiologically-based Affective Intervention for Posttraumatic Stress Disorder" - \$25,000 (total costs)
Role: Co-Investigator (with Martha Kent)

R01AR046034 National Institute of Arthritis and Musculoskeletal and Skin Diseases (2001-2006)
"Adaptation to Pain and Interpersonal Stress in Fibromyalgia"- \$2,178,415 (total costs)
Role: Co-Principal Investigator (with Alex Zautra)

R01AR41687 National Institute of Arthritis and Musculoskeletal and Skin (2000-2005)
"Adaptation to Pain and Stress in Rheumatoid Arthritis"- \$1,984,984 (total costs)
Role: Co-Principal Investigator (with Alex Zautra)

R03MH19105-14 National Institute of Mental Health (2005-2007)
"Interpersonal Perceptions and the Placebo/Nocebo Effect"- \$442,661 (total costs)
Role: Co-Principal Investigator (with Carol Nemeroff)

St. Luke's Health Initiative (2003-2004)
"Resilience Through Healthy Aging: From Framingham to Phoenix"- \$75,000 (total costs)
Role: Co-Principal Investigator (with Alex Zautra)

Arthritis Foundation (1999-2003)
"The Stress Response in Fibromyalgia" -\$355,555 (total costs)
Role: Co-Principal Investigator (with Alex Zautra)

Arizona Disease Control Research Commission (2000-2001)
"Physiological Stress Responses in Female Smokers and Nonsmokers: The Impact of Menopausal Status"- \$116,071 (total costs)
Role: Principal Investigator

Arizona Disease Control Research Commission (1997-1993)
"The Effects of Smoking and Oral Contraceptive Use on Physiological Stress Responses in Young Women" - \$43,264 (total costs)
Role: Principal Investigator

Arizona State University Faculty Grant-in-Aid (1996-1997)
“*Physiological Correlates of Token Status*” - \$5813 (total costs)
Role: Principal Investigator

Women's Studies Summer Research Award (1996)
“*Cardiovascular Responses to Stress in Women with Regional Adiposity*” - \$3000 (total costs)
Role: Principal Investigator

Arizona State University Faculty Grant-in-Aid (1995-1996)
“*Smoking and Physiological Reactivity in Young Women*” - \$5945 (total costs)
Role: Principal Investigator

Publications

** Students and postdoctoral fellows

Journal Articles

Davis, M.C., Lemery-Chalfant, K., *Yeung, E.W.*, Luecken, L.L., Zautra, A.J. & Irwin, M.R. (under review). Interleukin-6 and depressive symptoms: Mediators of the association between childhood abuse and cognitive performance in middle-aged adults.

Moore, S.V., **Davis, M.C.**, Lemery-Chalfant, K. (submitted). Genetic and environmental contributions to child chronic pain in a nonclinical sample.

Mun, C. J., *Thummala, K.*, **Davis, M.C.**, Karoly, P., Tennen, H, & Zautra, A.J. (in press). Predictors and social consequences of daily pain expectancy among adults with chronic pain. *Pain*.

Taylor, S. S., **Davis, M. C.**, *Yeung, E. W.*, Zautra, A. J., & Tennen, H. (in press). Relations between adaptive and maladaptive pain cognitions and within-day pain exacerbations in individuals with fibromyalgia. *Journal of Behavioral Medicine*.

Stonnington, C. M. *Kothari, D.J.*, & **Davis, M.C.** (2016). Understanding and promoting resiliency in patients with chronic headache. *Current Neurology and Neuroscience Reports*, 16, 1-7.

Sturgeon, J.A., *Arewasikporn, A.*, Okun, M.A., **Davis, M.C.**, & Zautra, A.J. (2016). The psychosocial context of financial stress: Implications for inflammation and psychological health. *Psychosomatic Medicine*, 78,134-143.

- Petrov, M., E. Davis, M.C., Belyea, M.J., & Zautra, A.J. (2016). Linking Childhood Abuse and Hypertension: Sleep Disturbance and Inflammation as Mediators. Journal of Behavioral Medicine, 29, 716-726.*
- Driscoll, M.A., Davis, M.C., Aiken, L.S., Yeung, E.W., Sterling, E.W., Vanderhoof, V., Calis, K.A., Popat, V., Covington, S.N., & Nelson, L.M. (2016). Psychosocial vulnerability, resilience resources and coping with infertility: A longitudinal model of adjustment to primary ovarian insufficiency. Annals of Behavioral Medicine, 50, 272-284.*
- Yeung, E.W., Davis, M.C., & Ciaramitaro, M. (2016). Cortisol dysregulation mediates the relation between childhood maltreatment and pain and emotional symptoms in individuals with fibromyalgia. Annals of Behavioral Medicine, 50, 87-97.*
- Wolf, L.D., Davis, M.C., Yeung, E.W., & Tennen, H. (2015). The within-day relation between lonely episodes and subsequent clinical pain in individuals with fibromyalgia: Mediating role of pain cognitions. Journal of Psychosomatic Research, 79, 202-206.*
- Davis, Mary C. (2015). Mindfully considering treatment of fibromyalgia: A comment on Cash et al. Annals of Behavioral Medicine, 49, 299-300.**
- Dowd, H., Hogan, M., McGuire, B., Davis, M.C., Sarma, K., Fish, R., Zautra, A. J. (2015). Comparison of an online mindfulness-based cognitive therapy intervention with online pain management psychoeducation: A randomized controlled study. Clinical Journal of Pain, 6, 517-527.*
- Kothari, D. J., Davis, M.C., & Yeung, E.W., & Tennen, H. (2015). Positive affect and pain: Mediators of the within-day relation linking sleep quality to activity interference in fibromyalgia. Pain, 156, 540-546.*
- Yeung, E.W., Davis, M.C., & Aiken, L.S., & Tennen, H. (2015). Daily social enjoyment interrupts the cycle of same-day and next-day fatigue in women with fibromyalgia. Annals of Behavioral Medicine, 49, 411-419.*
- Davis, M.C., Zautra, A.J., Wolf, L.D., Tennen, H., & Yeung, E.W. (2015). Mindfulness and cognitive-behavioral interventions for chronic pain: Differential effects on daily pain reactivity and stress reactivity. Journal of Consulting and Clinical Psychology, 83, 24-35. Doi: <http://dx.doi.org.ezproxy1.lib.asu.edu/10.1037/a0038200>.**
- Wolf, L.D., & Davis, M.C. (2014). Loneliness, daily pain, and perceptions of interpersonal events in adults with fibromyalgia. Health Psychology, 33, 929-937.*
- Davis, M.C., Thummala, K., & Zautra, A.J. (2014). Stress-related clinical pain and mood in women with chronic pain: Moderating effects of depression and positive mood**

induction. *Annals of Behavioral Medicine*, 48, 61-70. doi: 0.1007/s12160-013-9583-6 .

- Davis, M.C.** & Zautra, A.J. (2013). An online mindfulness intervention targeting socioemotional regulation in fibromyalgia: Results of a randomized controlled trial. *Annals of Behavioral Medicine*, 46, 273-284.
- Taylor, S.S., **Davis, M.C.**, & Zautra, A.J. (2013). Relationship status and quality moderate daily pain-related changes in physical disability, affect, and cognitions in women with chronic pain. *Pain*, 154, 147-153.
- Zautra, A.J., **Davis, M.C.**, Reich, J.W., Sturgeon, D.J.A., Arewasikporn, A., & Tennen, H. (2012). Phone-based interventions with automated mindfulness and mastery messages improve the daily functioning for depressed middle-aged community residents. *Journal of Psychotherapy Integration*, 22, 206-228.
- Kratz, A.L., **Davis, M.C.**, Zautra, A.J. (2012). Attachment predicts association between daily pain catastrophizing and social coping in women with pain. *Health Psychology*, 31, 278-285.
- Finan, P.H., Tennen, H., Thoemmes, F., Zautra, A.J., & **Davis, M.C.** (2012). Ambulatory monitoring in the genetics of psychosomatic medicine. *Psychosomatic Medicine*, 74, 349-355.
- Kent, M., **Davis, M.C.**, & Stark, S.L., & Stewart, L.A. (2011). A resilience-oriented treatment for posttraumatic stress disorder: Results of a preliminary randomized clinical trial. *Journal of Traumatic Stress*, 24, 591-595.
- Finan, P.H., Zautra, A.J., **Davis, M.C.**, Lemery-Chalfant, K., Covault, J., & Tennen, H. (2011). COMT moderates the relation of daily maladaptive coping and pain in fibromyalgia. *Pain*, 152, 300-307.
- Davis, M.C.**, Okun, M.A., Kruszewski, D., Zautra, A.J., & Tennen, H. (2010). Sex differences in the relations of positive and negative daily events and fatigue in adults with rheumatoid arthritis. *Journal of Pain*, 11, 1338-1347.
- Zautra, A.J., Arewasikporn, A., & **Davis, M.C.** (2010). Resilience: Promoting well-being through recovery, sustainability, and growth. *Research in Human Development*, 7, 221-238.
- Finan, P.H., Okun, M.A., Kruszewski, D., **Davis, M.C.**, Zautra, A.J., & Tennen, H. (2010). Interplay of concurrent positive and negative interpersonal events in the prediction of daily negative affect and fatigue for rheumatoid arthritis patients. *Health Psychology*, 29, 429-437.

Finan, P.H., Zautra, A.J., **Davis, M.C.**, Chalfont-Lemery, K., Covault, J., & Tennen, H. (2010). Genetic influences on the dynamics of pain and affect in fibromyalgia. *Health Psychology, 29*, 134-142.

Davis, M.C., Ventura, J.A., Wieners, M., Covington, S.N., Vanderhoff, V.H., Ryan, M.E., Koziol, D., Popat, V., & Nelson, L.M. (2010). The psychosocial transition associated with spontaneous 46,XX primary ovarian insufficiency: illness uncertainty, stigma, goal flexibility, and purpose in life as factors in emotional health. *Fertility and Sterility, 93*, 2321-2329.

Nicolson, N.A., **Davis, M.C.**, Kruszewski, D., & Zautra, A.J. (2010). Childhood traumatic experiences and cortisol levels in women with fibromyalgia or osteoarthritis. *Psychosomatic Medicine, 72*, 462-470.

Zautra, A.J., Fasman, R., **Davis, M.C.**, & Craig, A.D. (2010). The effects of slow breathing on affective responses to pain stimuli: An experimental study. *Pain, 149*, 12-18.

Davis, M.C., Luecken, L., & Lemery-Chalfant, K. (2009). Resilience in common life: Introduction to the special issue. *Journal of Personality, 77*, 1637-1644.

Davis, M.C. (2009). Building emotional resilience to promote health. *American Journal of Lifestyle Medicine, 3*, 60S-63S.

Finan, P., Zautra, A.J., & **Davis, M.C.** (2009). Daily affect relations in fibromyalgia patients reveal positive affective disturbance. *Psychosomatic Medicine, 71*, 474-482.

Davis, M.C., Zautra, A.J., Younger, J., Motivila, S., Attrep, J. & Irwin, M. (2008). Chronic stress and regulation of cellular markers of inflammation in rheumatoid arthritis. *Brain, Behavior, and Immunity, 22*, 24-32.

Zautra, A.J., **Davis, M.C.**, Tennen, H., Finan, P., Kratz, A., Nicassio, P.N., & Irwin, M. (2008). Comparison of cognitive behavioral and mindfulness meditation interventions on adaptation to rheumatoid arthritis for patients with and without history of recurrent depression. *Journal of Consulting and Clinical Psychology, 76*, 408-421.

Parrish, B., Zautra, A.J., & **Davis, M.C.** (2008). The role of positive and negative interpersonal events on daily fatigue in women with fibromyalgia, rheumatoid arthritis, and osteoarthritis. *Health Psychology, 27*, 694-702.

Younger, J.W., Finan, P., Zautra, A.J., **Davis, M.C.**, & Reich, J.W. (2008). Personal mastery predicts general well-being and stress-reactivity in adults with rheumatoid arthritis. *Psychology and Health, 23*, 515-535.

- Zautra, A.J., Parrish, B.P., VanPuymbroeck, C.M., Tennen, H., **Davis, M.C.**, Reich, J.W., & Irwin, M. (2007). Depression history, stress, and pain in rheumatoid arthritis. *Journal of Behavioral Medicine*, 30, 187-197.
- Kratz, A.L., **Davis, M.C.**, & Zautra, A.J. (2007). Pain acceptance moderates the relation between pain and negative affect in female osteoarthritis and fibromyalgia patients. *Annals of Behavioral Medicine*, 33, 291-300.
- Zautra, A.J., Fasman, R., Parrish, B., & **Davis, M.C.** (2007). Daily fatigue in women with osteoarthritis, rheumatoid arthritis, and fibromyalgia. *Pain*, 128, 128–135.
- Huebner, D.M., & **Davis, M.C.** (2007). Perceived anti-gay discrimination and physical health outcomes. *Health Psychology*, 26, 627-634.
- Johnson, L.M., Zautra, A.J., & **Davis, M.C.** (2006). The role of illness uncertainty on coping with fibromyalgia symptoms. *Health Psychology*, 25, 696-703.
- Davis, M.C.**, Affleck, G., Zautra, A.J., & Tennen, H. (2006). Daily interpersonal events in pain patients: Applying action theory to chronic illness. *Journal of Clinical Psychology*, 62, 1097-1113.
- Reich, J.W., Johnson, L.M., Zautra, A.J., & **Davis, M.C.** (2006). Uncertainty of illness relationship with mental health and coping processes in fibromyalgia patients. *Journal of Behavioral Medicine*, 29 307-316.
- Huebner, D.M., & **Davis, M.C.** (2005). Gay and bisexual men who disclose their sexual orientations in the workplace have higher workday levels of salivary cortisol and negative affect. *Annals of Behavioral Medicine*, 30, 260-267
- Zautra, A.J., Affleck, G., Tennen, H., Reich, J.W., & **Davis, M.C.** (2005). Dynamic approaches to emotion and stress in everyday life: Bolger and Zuckerman reloaded with positive as well as negative affects. *Journal of Personality*, 73, 1511-1538.
- Burke, H.M., **Davis, M.C.**, Otte, C. & Mohr, D.C. (2005). Depression and cortisol responses to psychological stress: A meta-analysis. *Psychoneuroendocrinology*, 30, 846-856.
- Zautra, A.J., Fasman, R. Reich, J.W., Harakas, P., Johnson, L.M.,Olmsted, M.E., & **Davis, M.C.** (2005). Fibromyalgia: evidence for deficits in positive affect regulation. *Psychosomatic Medicine*, 67, 147-155.
- Huebner, D.M., Nemeroff, C.J., & **Davis, M.C.** (2005). Do hostility and neuroticism confound associations between perceived discrimination and depressive symptoms? *Journal of Social and Clinical Psychology*, 24, 723-740.

- Zautra, A.J., Johnson, L., & Davis, M. C. (2005). Positive affect as a source of resilience to pain and stress for women in chronic pain. *Journal of Consulting and Clinical Psychology, 73*, 212-220.
- Davis, M.C., Zautra, A.J., & Smith, B W. (2004). Chronic pain, stress, and the dynamics of affective differentiation. *Journal of Personality, 72*, 1133-1160.
- Zautra, A.J., Davis, M.C., & Smith, B.W. (2004). Emotions, health, and personality. *Journal of Personality, 72*, 1097-1104.
- Zautra, A.J., Yocum, D.C., Villanueva, I., Smith, B.W., Davis, M.C., Attrep, J., Irwin, M. (2004). Immune activation and depression in female rheumatoid arthritis patients. *Journal of Rheumatology, 31*, 457-463.
- Reich, J.W., Zautra, A.J., & Davis, M.C. (2003). Dimensions of affect relationships: Models and their integrative implications. *Review of General Psychology, 7*, 66-83.
- Williams, R.M., Davis, M.C., & Millsap, R.E. (2002). Development of the cognitive processing of trauma scale. *Clinical Psychology and Psychotherapy, 9*, 349-360.
- Huebner, D.M., Davis, M.C., Nemeroff, C.J., & Aiken, L.S. (2002). The impact of internalized homophobia on HIV preventive interventions. *American Journal of Community Psychology, 30*, 327-348.
- Davis, M.C., Zautra, A.J., & Reich, J.W. (2001). Vulnerability to stress differs in older women with fibromyalgia vs osteoarthritis. *Annals of Behavioral Medicine, 23*, 215-226.
- Zautra, A.J., Reich, J.W., Davis, M.C., Nicolson, N., & Potter, P.T. (2000). The role of stressful events in the independence of affective states: Evidence from field and experimental studies. *Journal of Personality, 68*, 927-951.
- Davis, M.C., Matthews, K.A., & McGrath, C. (2000). Hostile attitudes predict elevated vascular resistance to interpersonal stress in both men and women. *Psychosomatic Medicine, 62*, 17-25.
- Twamley, E.W., & Davis, M.C. (1999). The sociocultural model of eating disturbance in young women: Effects of personal attributes and family environment. *Journal of Social and Clinical Psychology, 18*, 467-489.
- Davis, M.C., Twamley, E.W., Hamilton, N., & Swan, P.D. (1999). Body fat distribution and hemodynamic stress responses in premenopausal obese women: A preliminary study. *Health Psychology, 18*, 625-633.

- Davis, M.C., Matthews, K.A., & Twamley, E.W.** (1999). Is life more difficult on Mars or Venus?: A meta-analytic review of sex differences in major and minor life events. *Annals of Behavioral Medicine, 21*, 83-97.
- Davis, M.C. (1999). Oral contraceptive use and hemodynamic, lipid, and fibrinogen responses to smoking and stress in women. *Health Psychology, 18*, 122-130.
- Davis, M.C., & Swan, P.D.** (1999). The association of negative and positive social ties with fibrinogen levels in healthy young women. *Health Psychology, 18*, 131-139.
- Davis, M.C., & Matthews, K.A.** (1996). Do gender relevant characteristics determine cardiovascular reactivity?: Match vs. mismatch of traits and situation. *Journal of Personality and Social Psychology, 71*, 527-535.
- Davis, M.C., Matthews, K.A., Meilahn, E.N., & Kiss, J.A.** (1995). Are job characteristics related to fibrinogen levels in middle-aged women? *Health Psychology, 14*, 310-318.
- Matthews, K.A., **Davis, M.C.**, Owens, J.F., & Cagguila, A. (1991). Does the gender relevance of the stressor influence sex differences in psychophysiological responses? *Health Psychology, 10*, 112-120.
- Cagguila, A.R., Stoney, C.M., Matthews, K.A., Owens, J.F., **Davis, M.C.**, & Rabin, B.S. (1990). T-lymphocyte reactivity during the menstrual cycle in women. *Clinical Immunology and Immunopathology, 56*, 130-134.
- Davis, M.C., & Matthews, K.A.** (1990). Cigarette smoking and oral contraceptive use influence women's cardiovascular, lipid, and lipoprotein responses during stress. *Health Psychology, 9*, 717-736.
- Stoney, C.M., Owens, J.F., Matthews, K.A., **Davis, M.C.**, & Cagguila, A. (1990). Influences of the normal menstrual cycle on physiologic functioning during behavioral stress. *Psychophysiology, 27*, 125-135.
- Stoney, C.M., **Davis, M.C.**, & Matthews, K.A. (1987). Sex differences in physiological responses to stress and in coronary heart disease: A causal link? *Psychophysiology, 24*, 127-131.

Non-peer reviewed articles

- Irwin, M., Davis, M.C., & Zautra, A.J. (2008). Behavioral Comorbidities in Rheumatoid Arthritis: A Psychoneuroimmunological Perspective. *Psychiatric Times, 25*.

Edited Books

Kent, M., **Davis, M.C.**, & Reich, J. (2013). *Handbook of resilience: Approaches to stress and trauma*. New York, NY: Routledge.

Chapters

Davis, M.C., Mun, C., Kothari, D., Moore, S., Rivers, C., Thummala, K., & Weyrich, G. (in press). Affective Processes in chronic pain. In P. Karoly & G. Crombez (Eds.), *Motivational Perspectives on chronic Pain: Theory, research, and practice*. Oxford Press.

Kothari, D.J., **Davis, M.C.**, & Thummala, K. (2016). Stress and arthritis. In P.M. Nicassio (Ed.), *Psychosocial Factors in Arthritis* (pp. 79-95). Oxford, UK: Academic Press.

Rivers, C., Zautra, A.J., & **Davis, M.C.** (in press). Resilience. In C. Aldwin (Ed.), *Encyclopedia of Mental Health*. Elsevier

Kent, M. & **Davis, M.C.** (2013). Resilience training for action and agency: Becoming the hero of your life. In M. Kent, M.C. Davis, & J. Reich (Eds.), *Handbook of resilience: Approaches to stress and trauma* (pp. 227-244). New York, NY: Routledge.

Burleson, M.H. & **Davis, M.C.** (2013). Social touch and resilience. In M. Kent, M.C. Davis, & J. Reich (Eds.), *Handbook of resilience: Approaches to stress and trauma* (pp.131-143). New York, NY: Routledge.

Davis, M.C., Zautra, A.J., & Stark, S. (2013). Arthritis: Psychosocial aspects. In M.D. Gellman & J.R. Turner (Eds.), *Encyclopedia of Behavioral Medicine* (pp. 130-144). New York, NY: Springer.

Arewasikporn, A., **Davis, M.C.**, & Zautra, A. (2013). Resilience: A framework for understanding the dynamic relationship between social relations and health. In M. L. Newman & N. A. Roberts (Eds.), *Health and Social Relationships: The Good, the bad, and the complicated*. Washington, D.C.: American Psychological Association.

Davis, M.C., Burke, H.M., Zautra, A.J., & Stark, S. (2013). Arthritis and musculoskeletal conditions. In A. M. Nezu, C. M. Nezu, & P. A. Geller (Eds.), *Handbook of Psychology, Volume 9: Health Psychology* (pp. 182-199). Hoboken, NJ: John Wiley Publishers.

Davis, M.C., Burleson, M., & Kruszewski, D. (2011). Gender: Its relationship to stressor exposure, cognitive appraisal/coping processes, stress responses, and health outcomes. In R.J. Contrada & A. Baum (Eds.), *Handbook of Stress Science* (pp. 247-261). New York: Springer Publishing.

- Kent, M., & **Davis, M.C.** (2010). Resilience interventions: The emergence of capacity-building programs and models. In J.Reich, AJ Zautra, & J Hall (Eds.), *Handbook of Adult Resilience* (427-449). New York: Guilford Publications, Inc.
- Kratz, A. L., **Davis, M. C.**, Zautra, A. J., & Tennen, H. (2009). Emotions. In S.J. Lopez (Ed.), *The Encyclopedia of Positive Psychology* (pp. 315-320). Malden, MA: Blackwell Publishing.
- Davis, M.C.** (2008). Measuring adiposity in health research. In L.J. Luecken & L.C. Gallo (Eds.), *Handbook of Methods in Health Psychology* (pp. 259-275). Thousand Oaks, CA: Sage Publications Inc.
- Davis, M.C.**, Zautra, A.J., Johnson, L.M., Murray, K., Okvat, H. (2007). Psychosocial stress, emotion regulation, and resilience among older adults. In C. Aldwin, C Park, & A. Spiro (Eds.), *Handbook of Health Psychology and Aging* (pp. 250-266). New York: Guilford.
- Zautra, A.J., Affleck, G. G, **Davis, M.C.**, Tennen, H., & Fasman, R. (2007). Assessing the ebb and flow of everyday life with an accent on the positive. In A.D.Ong & M.H.M. van Dulmen (Eds.). *Oxford Handbook of Methods in Positive Psychology* (pp 487-500). New York, NY: Oxford University Press.
- Davis, M.C.**, & Zautra, A.J. (2004). Autoimmune diseases: Psychosocial aspects. In N.B. Anderson (Ed.). *Encyclopedia of Health and Behavior* (pp 81-84). Thousand Oaks, CA: Sage.
- Davis, M.C.**, Matthews, K.A., & McGrath, C.E. (2002). Hostile attitudes predict elevated vascular resistance during interpersonal stress in men and women. In J.T. Cacioppo, G.G.Bernston, R. Adolphs, C.S. Carter, R.J. Davidson, M.K. McClintock, B.S. McEwen, M.J. Meaney, D.L. Schacter, E.S. Sternberg, S.S. Suomi, & S.E. Taylor (Eds.), *Foundations in Social Neuroscience: Social Applications, Deleterious Influences* (pp.1185-1253). Cambridge, MA: MIT Press.
- Burke, H. M., Zautra, A. J., Schultz, A. S., Reich, J. W. & **Davis, M. C.** (2002). Arthritis: A biopsychosocial perspective. In A. Christensen & M. Antoni (Eds.), *Chronic Medical Disorders: Behavioral Medicine's Perspective* (pp. 268-287). Malden, MA: Blackwell Publishers Limited.
- Burke, H. M., Zautra, A. J., **Davis, M. C.**, Schultz, A. S., & Reich, J. W. (2002). Arthritis and Other Musculoskeletal Conditions: The Role of Health Psychology. In A. M. Nezu, C. M. Nezu, & P. A. Geller (Eds.), *Handbook of Psychology, Volume 9: Health Psychology* (pp. 169-190). Hoboken, NJ: John Wiley Publishers.

Book Review

Davis, M.C. (1996). Making a case for the health concerns of women. *Contemporary Psychology, 41*, 176. (Review of *The Health Psychology of Women* by C.A. Niven and D. Carroll).

Other writing

Nemeroff, C., & **Davis, M.** (1999) Sinful pleasures: The puritans meet Haagen-Dazs and the Marlboro man (or) stamping out sin in America. *Slow Food, 12, Jan-March 1999.*

Selected Conference and Invited Talks

Davis, M.C. Enhancing resilience in chronic pain: Exploring factors and interventions that promote resilient functioning. Symposium at the American Pain Society Annual Meeting. Austin, TX, May 2016.

Davis, M.C. Psychological vulnerability, resilience, and adaptation to stress. Invited talk for the UCLA Health Psychology Lecture Series. Los Angeles, CA, March 2016.

Davis, M.C. Mindfulness, cognitive-behavioral, and education interventions for chronic fibromyalgia pain. Symposium at the International Congress of Behavioral Medicine. Groningen, Netherlands, August 2014.

Davis, M.C. Ninth Annual NIH Pain Consortium Symposium. Bethesda, MD, May 2014.

Davis, M.C. Emotion regulation strategies in adjustment to chronic illness: Predictors and processes. Symposium at the American Psychological Association Annual Meeting. Honolulu, HI, August 2013.

Davis, M.C. Resilience and health: Various perspectives providing insights for future research. Symposium at the American Psychological Association Annual Meeting. Honolulu, HI, August 2013.

Davis, M.C. Online training of mindfulness-based emotion regulation for fibromyalgia. Paper session at the Social of Behavioral Medicine annual meeting. San Francisco, CA, March, 2013.

Davis, M.C. Half full and half empty: What emotional awareness and acceptance training add to the treatment of depression, anxiety, and pain. Invited address, University of Arizona Department of Psychology, Tucson, AZ, April 2012.

- Davis, M.C.** Interventions for chronic pain: Comparing mechanisms of change through use of diary reports. Symposium at the Society of Behavioral Medicine annual meeting, New Orleans, LA, April 2012.
- Davis, M.C.** Building resilience: A targeted intervention for chronic pain. Panel presentation at the International Society for Traumatic Stress Studies meeting, Montreal, Canada, November 2010.
- Davis, M.C.** Stress and emotional resilience: How affective complexity promotes adaptation to health challenges among women. Invited talk to the Integrative Reproductive Medicine Group, National Institute of Child Health and Human Development (NICHD) National Institutes of Health, September, 2010.
- Zautra, A.J. & **Davis, M.C.** Emerging emotion regulation interventions for chronic pain. Roundtable panel at the American Psychosomatic Society Annual meeting, Portland, OR, March 2010.
- Davis, M.C.** Relationships and Health. Talk presented at the Spirit of the Senses Salon Series, Scottsdale, AZ, June, 2009.
- Davis, M.C.,** Zautra, A.J., Reich, J., & Finan, P. The effects of cognitive-behavioral and mindfulness-based interventions on resilience to chronic pain. Symposium presentation at the American Psychological Society Annual Convention, San Francisco, CA, May 2009.
- Davis, M.C.** Social and emotional resilience to stress. Invited address presented at the Building Health Lifestyles Conference, Mesa, AZ, January, 2008.
- Davis, M.C.,** *Wieners, M.A.,* Ventura, J.L., Covington, S.N., Koziol, D.E. & Nelson, L.M. flexibility and emotional well-being in women with spontaneous primary ovarian insufficiency. Paper presented at the American Society of Reproductive Medicine Annual Meeting, Washington, D.C., October 2007.
- Ventura, J.L., **Davis, M.C.,** Covington, S.N., Vanderhoof, V.H., Koziol, D.E., & Nelson, L.M. Illness uncertainty and stigma: Factors positively associated with symptoms of depression and anxiety in women with spontaneous 46,XX primary ovarian insufficiency (premature ovarian failure). Paper presented at the American Society of Reproductive Medicine Annual Meeting, Washington, D.C., October 2007.
- Davis, M.C.** How mood matters in adaptation to chronic pain. Invited address, University of Kansas, Department of Psychology, May 2007
- Kruszewski, D. M.,* **Davis, M.C.,** & Zautra, A.J. Childhood maltreatment history and adaptation

in female chronic pain patients. Presented at the Western Psychological Association Annual meeting, Vancouver, B.C., May, 2007.

Davis, M.C., Zautra, A.J., Irwin, M. Chronic stress and regulation of cellular markers of inflammation in rheumatoid arthritis. Presented at the American Psychosomatic Society Annual meeting, Budapest, Hungary, March 2007.

Olmsted, M.E., *Finan, P.H.*, Zautra, A.J., **Davis, M.C.**, & Parrish, B. The use of a solomon 4-group design in psychosomatic research. Presented at American Psychosomatic Society Annual meeting, Budapest, Hungary, March 2007.

Finan, P., *Younger, J.W.*, Zautra, A.J., Reich, J.W., **Davis, M.C.** Personal control in chronic pain sufferers during acute interpersonal stress. Presented at the American Psychosomatic Society Annual meeting, Budapest, Hungary, March 2007.

Wershba, R.E., *Parrish, B.P.*, *Fowler, A.C.*, Zautra, A.J., **Davis, M.C.** The role of depression in daily pain and pain coping in rheumatoid arthritis patients. Presented at the American Psychosomatic Society Annual meeting, Budapest, Hungary, March 2007.

Parrish, B.P., Zautra A.J., Tennen, H., & **Davis, M.C.** The impact of multiple episodes of depression on daily perturbation of depressive symptoms in rheumatoid arthritis patients. Presented at the American Psychosomatic Society Annual meeting, Budapest, Hungary, March 2007.

Nicolson, N.A., Zautra, A.J., **Davis, M.C.** Salivary cortisol patterns in fibromyalgia: Relation to daily measures of affect, pain, fatigue, and stress. Presented at the American Psychosomatic Society Annual meeting, Budapest, Hungary, March 2007.

Davis, M.C. Promoting resilience in women: Keys to social and emotional fitness. Keynote address, Annual Women's Mental Health Forum, Arizona Institute for Mental Health Research, Phoenix, AZ, April 2006.

Kruszewski, D. M., **Davis, M.C.**, & Zautra, A.J. Does mood clarity mediate the relation between childhood trauma and health outcomes in women with chronic pain conditions. Presented at the American Psychological Association Annual Convention, Washington, D.C., August 2005.

Davis, M.C. Stress and resilience in women. Invited addresses, Women's Mental Health Symposium, Arizona Institute for Mental Health Research, Tucson, AZ, January 2005.

Johnson, L.M., **Davis, M.C.**, & Zautra, A.J. Mood clarity predicts dampened heart rate reactivity during stress. Presented at the American Psychosomatic Society Conference, Vancouver, Canada, March 2005.

- Kratz, A. L., Davis, M. C., & Zautra, A. J.* Does all pain acceptance relate to adaptation in chronic pain? Presented at the annual meeting of the American Psychological Association, Honolulu, HI, August 2004.
- Johnson, L.M., Zautra, A.J., & Davis, M.C.* The role of illness uncertainty on difficulty coping with symptoms and coping efficacy when pain is high in a fibromyalgia sample. Presented at the American Psychological Association Conference, Honolulu, HI, August 2004.
- Zautra, A.J., Johnson, L.M., & Davis, M.C.* Positive affect enhances resilience for patients with chronic pain. Presented at the Western Psychological Association Conference, Phoenix, AZ, April 2004.
- Burke, H. M., Davis, M. C., Otte, C., & Mohr, D. C.* Depression and hypothalamic- pituitary-adrenal (HPA) responses to acute stressors: A review and meta-analysis. Presented at the annual International Society for Psychoneuroendocrinology, Glasgow, Scotland, UK, October 2004.
- Burke, H. M., Zautra, A.J., & Davis, M. C.* (2004). Effects of subclinical elevations in depressive symptoms on cortisol stress responses in adults with rheumatoid arthritis. Presented at the Annual Psychosomatic Society meeting, Orlando, FL., May 2004.
- Burke, H. M., Davis, M.C., Zautra, A.J., Nicolson, N.* Younger age is associated with diminished cortisol stress recovery in women with fibromyalgia. Presented at the Annual American Psychosomatic Society meeting, Phoenix, AZ, March, 2003.
- Davis, M.C., Zautra, A.J., & Reich, J. W.* Vulnerability to stress among women in chronic pain from fibromyalgia and osteoarthritis. Presented at the Annual meeting of the American Psychosomatic Society, Monterrey, CA, March 2001.
- Zautra, A.J., Reich, J.W., & Davis, M.C.* Adaptation in two dimensions: A dynamic model of affective health. Presented at the Annual meeting of the American Psychosomatic Society, Monterrey, CA, March 2001.
- Zautra, A.J., & Davis, M.C.* Some consequences of emotional awareness, expression, and inhibition. Presented at the Annual meeting of the American Psychological Association, San Francisco, CA August, 2001
- Davis, M.C.* Ambivalent social ties predict fibrinogen levels in women and men. Presented at the Annual meeting of the American Psychosomatic Society, Savannah, Georgia, March 2000.

- Davis, M.C., & Ramos, R.** A meta-analytic review of sex differences in smoking cessation. Presented at the Annual meeting of the American Psychosomatic Society, Vancouver, British Columbia, March 1999.
- Davis, M.C., Matthews, K.A., & McGrath, C.** Hostile attitudes predict elevated vascular resistance during interpersonal stress in men and women. Presented at the Annual meeting of the American Psychosomatic Society, Vancouver, British Columbia, March 1999.
- Davis, M.C., Twamley, E.A., Hamilton, N., & Swan, P.D.** Body fat distribution and hemodynamic stress responses in healthy, obese premenopausal women. Presented at the Annual Meeting of the International Conference of the Society of Behavioral Medicine, Copenhagen, Denmark, April 1998.
- Davis, M.C., Flory, J.D., Muldoon, M.F., Ryan, C., & Matthews, K.A.** Tobacco use and cognitive performance in middle-aged men and women. Presented at the 19th Annual Meeting of the Society of Behavioral Medicine, New Orleans, LA, March 1998.
- Flory, J.D., **Davis, M.C.**, Muldoon, M.F., Manuck, S.B., & Matthews, K.A. Impulsivity, serotonergic function, and tobacco use in middle-aged men and women. Presented at the 19th Annual Meeting of the Society of Behavioral Medicine, New Orleans, LA, March 1998.
- McGrath, C.E., Davis, M.C., Foley, M.M.* Lagged effects of conflict: A diary study of hostile men and women. Presented at the 19th Annual Meeting of the Society of Behavioral Medicine, New Orleans, LA, March 1998.
- Twamley, E.W., & Davis, M.C.* Protective factors for eating pathology. Presented at the 19th Annual Meeting of the Society of Behavioral Medicine, New Orleans, LA, March 1998.
- Davis, M.C.** The relationship between social ties and fibrinogen levels in young women. Presented at the 18th Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA, April, 1997.
- Davis, M.C.** The effects of oral contraceptive use and smoking on the physiological stress responses of young women. Presented at the 18th Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA, April, 1997.
- Zautra, A. J., *Hamilton, N. A., Burke, H. M., Reich, J. W., & Davis, M. C.* (1997). Comparison of coping strategies and SF-36 outcomes in older women with fibromyalgia and osteoarthritis with hypertension. Presented at the Annual Convention for the American College of Rheumatology, Washington D.C., May 1997.

Foley, M.M. & Davis, M.C. Hostility, daily events, and mood in young adults. Presented at the 18th Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA, April, 1997.

Hamilton, N. Davis, M.C., & Zautra, A. The other side of social support. Presented at the 18th Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA, March 1997.

Davis, M.C., & Swan, P. Regional obesity and cardiovascular reactivity in women. Presented at the 17th Annual Meeting of the Society of Behavioral Medicine, Washington, D.C., March 1996.

Davis, M.C., Matthews, K.A., Owens, J.F. The impact of sex, gender role, and situational context on cardiovascular reactivity to interpersonal stress in young men and women. Presented at the 16th Annual Meeting of the Society of Behavioral Medicine, San Diego, CA, March 1995.

Davis, M.C., Matthews, K.A., Meilahn, E.N., & Kiss, J.A. Job characteristics and hemostatic variables in middle-aged women. Presented at the Annual Meeting of the American Psychosomatic Society, Santa Fe, NM, March, 1991.

Davis, M.C. & Matthews, K.A. Oral contraceptive use, smoking, and physiological reactivity. Presented at the 11th Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA, April, 1989.

Courses Taught

Undergraduate:

Resilience in Everyday Life

Health Psychology

Abnormal Psychology

Clinical Psychology

Graduate:

Psychotherapy

Clinical Interviewing

General Graduate Clinical Practicum

Advanced Treatment Methods: Mindfulness-based Clinical Practicum

Professional Activities and Service

Departmental and University Service

- Interim Director, ASU Veterans Wellness Research Center (2015-present)
- ASU Mindfulness Center Design Team, Member (2015-present)
- Undergraduate Studies Committee Member (1999- 2004, 2009-present)
- Mayo Clinic Resiliency Curriculum Development Group member (2013-present)
- Psychology Department Personnel Committee Chair (2013-present)
- Graduate Admissions Committee in Clinical Psychology, Member (1996, 1999, 2002 [Chair], 2004, 2006, 2009, 2013, 2016)
- Member, Psychology Department Faculty Evaluation Committee (1999, 2001, 2002, 2003, 2004, 2011)
- Interim Chair, Graduate Studies (2008-2009)
- Faculty member University of Arizona College of Medicine-Phoenix (2007-2008)
- Faculty Search Committee Member, Dept of Basic Medical Sciences, University of Arizona College of Medicine-Phoenix (2006-2007, 2009)
- Review committee member, University Committee on Research Collaborations, ASU & University of Arizona (2007)
- Member of the Psychology Department Planning and Advisory Committee (2004-2007, 2008-2009, 2010)
- Coordinator of the Health Psychology Alliance, ASU (2000-2002)
- Internship supervisor for advanced clinical doctoral students (1995-2001)
- Social Psychology Faculty Search Committee (2006)
- Southwest Borderlands Faculty Search Committee, Member (2005)
- Faculty Search Committee in Behavioral Neuroscience, Member (1997)
- Preparing Future Faculty, Mentor (1996-2001)
- Faculty Search Committee in Clinical Psychology, Member (1998, 1999, 2000)
- Clinical Psychology Area Head Search Committee, Member (1998, 1999)
- Psychology Clinic Director Search Committee (2004)
- Mentor, Western Alliance to Expand Student Opportunities (1998)
- Faculty Senator (2001-2003)

Professional Service

- Arizona Institute for Mental Health Research, Executive Committee Member (2014-present)
- U of California-wide Consortium of Resilience Research and Health Psychology, External Advisory Board member (2016-present)
- NIH T32 Training Grant in Cardiovascular Behavioral Medicine Research, University of Pittsburgh, External Advisory Board Member (2007-present)
- APA Division 38, Education and Training Committee member (2014-present)
- Secretary-Treasurer, Council of Clinical Health Psychology Training Programs (2007-2013)
- Program Co-Chair, Mid-winter meeting, Council of Clinical Health Psychology Training Programs (2008-2009)

- American Psychology Association, Division 38 (Health Psychology) Secretary (2002-2008)
- Panel Member, American Psychological Association Board of Scientific Affairs' Task Force on Recommending Changes to the APA Convention (2007)
- APA Division 38, Nominations Committee (member 2007-2009, Chair, 2010)
- APA Division 38, Strategic Planning Committee member (2008)
- Editorial Board of *Health Psychology* (2002-2005)
- Grant Review Panel Member, NIH Chronic Fatigue Syndrome/Fibromyalgia Syndrome Special Emphasis Panel (2004, 2009, 2010)
- Grant Review Panel Member, State of Michigan Gift of Life Organ and Tissue Donation Program (2007)
- Participant NIH Workshop: Role of Fatigue in Rheumatic Diseases (2004)
- Reviewer, APA Div 38, Health Psychology, convention presentations (1996-present)
- Reviewer, Society of Behavioral Medicine, convention presentations (1998-2004)
- Chair, Program Committee APA Div 38, Health Psychology (2001)
- Membership Committee, APA Div 38, Health Psychology (1998-2000)
- Member, Program Committee, APA Div 38, Health Psychology (2000)
- Ad-hoc journal reviewer: *American Journal of Hypertension; American Psychologist; Journal of Orthopsychiatry; Annals of Behavioral Medicine; Arthritis Care and Research; Brain, Behavior, & Immunity; Contemporary Psychology; European Journal of Pain; Health Psychology; Hormones and Behavior; International Journal of Aging; International Journal of Clinical Rheumatology; International Journal of Psychophysiology; Journal of Applied Social Psychology; Journal of Behavioral Medicine; Journal of Health Psychology; Journal of Pain; Journal of Personality; Journal of Personality and Social Psychology; Journal of Psychosomatic Research; Mindfulness; Psychology and Aging; Pain; Pain Medicine; Psychology of Women Quarterly; Psychological Bulletin; Psychosomatic Medicine; Psychotherapy and Psychosomatics; Scandinavian Journal of Rheumatology; Sleep Medicine Reviews*

Community Service

- Rachel's Well, Board Member (2009-present)
- Speaker at the Appellate Lawyers annual conference, "Social and Emotional Resilience to Stress" (2010)
- Keynote speaker at AZ Consortium of Complementary Healing Organizations annual conference, "New Ways To Impact Positive Patient Outcomes " (2006)
- Invited presentations at the Annual Women's Mental Health Symposium/Forum series, Arizona Institute for Mental Health Research, "Resilience in the Face of Chronic Illness" (2005-2006)
- Speaker at ASU/Valley of the Sun United Way Summer Institute on Community, (2006)
- Workshop presenter at Banner Health "Treating the Whole Person: Promoting Resilience in the Face of Chronic Illness" (2006)

- Co-coordinator of departmental contribution to the Salvation Army “Adopt a family” Christmas program (2001-2006)
- Board of Directors, Sage Counseling (local agency dedicated to treatment of domestic violence in Maricopa County) (1998-2003)
- Invited presentation at American West Airlines Women's Network, "The Psychology of Women's Health” (1999)
- Continuing Education workshop presentation sponsored by AZ psychological Association, "Personal Mastery and Health” (1999)
- Speaker, Spirit of the Senses community group, “Emotional Resilience (2009)

PROFESSIONAL SOCIETY MEMBERSHIPS

Member, American Psychological Association

Member, Society of Behavioral Medicine

Member, Division 38 (Health Psychology), American Psychological Association

Member, American Psychosomatic Society

Member, Association for Psychological Science