
CURRICULUM VITAE

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September 2016

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Current Position

Associate Professor (June 2014 – present; Assistant Professor: August 2012 – August 2014)
Area Head, Health Psychology (August 2015 – Present)
Department of Psychology
University of New Mexico

Licensure

2016 – present Licensed Clinical Psychologist, New Mexico State Board of Psychology
Examiners (License No: 1405)
2009 – 2013 Practitioner Psychologist, United Kingdom Health and Care Practitioners
Council (Reg No: PYL25528)

Education and Training

Post-Doctoral Fellowship in Pain Psychology
Division of Pain Management
Department of Anesthesiology
University of Virginia Health Sciences Center
Charlottesville, Virginia, USA
August 2004-July 2005

Doctor of Philosophy (Clinical Psychology)
West Virginia University (*APA accredited*)
Department of Psychology
Morgantown, West Virginia, USA
Degree completed: November 2004
Dissertation Title: "*Pain-Related Acceptance and Functional Ability in Individuals with Chronic Pain*"

Pre-Doctoral Intern in Clinical Psychology
Greater Hartford Clinical Psychology Consortium (*APA accredited*)
Hartford, Connecticut, USA
July 2003-June 2004
Rotations: Behavioral Medicine, Adult Mental Health, Geropsychology, Diabetes (Minor Rotation)

Master of Arts (Clinical Psychology)
West Virginia University
Department of Psychology
Morgantown, West Virginia, USA
Degree completed: December 2001
Thesis Title: "*Which is worse, pain or fear?: Investigating the interaction between two aversive states.*"

Bachelor of Arts in Psychology
The University of Colorado at Boulder
Boulder, Colorado, USA
Degree completed: December 1997

Professional Affiliations

American Pain Society
Association for Contextual Behavioral Science
Society of Behavioral Medicine

Awards and Honors

2015 - Fellow, Association for Contextual Behavioral Analysis

2013 UK Health Integration Award (Pain Management Category)

2012, 2013 Nominated, New Teacher of the Year Award, University of New Mexico

2012 - Senior Fellow, Robert Wood Johnson Foundation, UNM Center for Health Policy

2011 Young Researcher Award, British Pain Society

2006 Travel Award, American Pain Society

2005 Travel Award, American Pain Society

2003 Hake Award for Outstanding Graduate Student Career, West Virginia University, Department of Psychology

2003 International Research Fellowship, University of Bath, United Kingdom

Research Activity

Publications

- Bailey R.W., Ashworth, J., Levell, J., Sowden, G., Vowles, K.E. (in press). Examining committed action in chronic pain: Further validation and clinical utility of the Committed Action Questionnaire. *Journal of Pain*.
- Mansell, G., Hill, J. C., Main, C. J., van der Windt, D., & Vowles, K. E. (in press). Exploring what factors mediate treatment effect: Example of the STarT Back study high-risk intervention. *Journal of Pain*.
- Vowles, K. E., Johnson, L. E., Gertz, K. J., & Jensen, M. J. (in press). Development and preliminary testing of a screening measure of acceptance and willingness in relation to pain, fatigue, and sadness in chronic pain. *Clinical Journal of Pain*.
- Vowles, K. E., Witkiewitz, K., Levell, J., Sowden, G., & Ashworth, J. (in press). Are pain and distress reduction necessary? An analysis of within-treatment change trajectories in relation to improved functioning following interdisciplinary Acceptance and Commitment Therapy for chronic pain. *Journal of Consulting and Clinical Psychology*.
- Paulus, D. J., Bakhshaie, J., Garza, M., Ochoa-Perez, M., Mayorga, N. A., Borgiaizian, D., Robles, Z., Lu, Q., Ditre, J., Vowles, K., Schmidt, N. B., & Zvolensky, M. J. (2016). Pain severity and emotion dysregulation among Latinos in a Community Health Care Setting: Relations to mental health. *General Hospital Psychiatry, 42*, 41-48.
- Pielech, M., Bailey, R. W., McEntee, M. L., Ashworth, J., Levell, J., Sowden, G., & Vowles, K. E. (2016). Preliminary evaluation of the Values Tracker: A two-item measure of engagement in valued activities in chronic pain. *Behavior Modification, 40*, 239-256.
- McEntee, M. L., Vowles, K. E., & McCracken, L. M. (2016). Development of a chronic pain specific version of the Sickness Impact Profile. *Health Psychology, 35*, 228-237.
- Bailey, R. W., & Vowles, K. E. (2015). Chronic non-cancer pain and opioids: Risks, benefits, and the public health debate. *Professional Psychology: Research and Practice, 46*, 340-347.
- Cook, A. J., Meyer, E. C., Evans, L., Vowles, K. E., Klocek, J. W., Kimbrel, N. A., Gulliver, S. B., & Morissette, S. B. (2015). Chronic pain acceptance incrementally predicts disability in polytrauma exposed veterans. *Behaviour Research and Therapy, 73*, 25-32.
- Jensen, M. P., Vowles, K. E., Johnson, L. E., & Gertz, K. J. (2015). Living well with pain: Development and preliminary evaluation of the Valued Living Scale. *Pain Medicine, 16*, 2109-2120.
- Rovner, G., Vowles, K. E., Gerdle, B., & Gillanders, D. (2015). Latent class analysis of the short and long-form of the Chronic Pain Acceptance Questionnaire: Further

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- examination of patient subgroups. *Journal of Pain*, 16, 1095-1105.
- Vowles, K. E. (2015). Editorial overview: The third wave behavioral therapies. *Current Opinion in Psychology*, 2, v-viii.
- Vowles, K. E., McEntee, M. L., Siyahhan Julnes, P., Frohe, T., Ney, J. P., & van der Goes, D. N. (2015). Rates of opioid misuse, abuse, and addiction in chronic pain: A systematic review and data synthesis. *Pain*, 156, 569-576.
- Wicksell, R. K., & Vowles, K. E. (2015). The role and function of Acceptance and Commitment Therapy and behavioral flexibility in pain management. *Pain Management*, 5, 319-322.
- Witkiewitz, K., McCallion, E., Vowles, K. E., Kirouac, M., Frohe, T., Maisto, S. A., Hodgson, R., & Heather, N. (2015). Association between physical pain and alcohol treatment outcomes: The mediating role of negative affect. *Journal of Consulting and Clinical Psychology*, 83, 1044-1057.
- Witkiewitz, K., Vowles, K. E., McCallion, E., Frohe, T., Kirouac, M., & Maisto, S. A. (2015). Pain as a predictor of alcohol treatment outcomes in the COMBINE study and the United Kingdom Alcohol Treatment Trial. *Addiction*, 110, 1262-1271.
- Cohen, L. L., Feinstein, A., Masuda, A., & Vowles, K. E. (2014). Single-case research design in pediatric psychology: Considerations regarding data analysis. *Journal of Pediatric Psychology*, 28, 124-137.
- McCracken, L. M., & Vowles, K. E. (2014). Acceptance and Commitment Therapy and mindfulness for chronic pain: Model, process, and progress. *American Psychologist*, 69, 178-187.
- Vigil, J. M., Pendleton, P., Coulombe, P., Vowles, K. E., Alcock, J., & Smith, B. W. (2014). Social environmental correlates of pain interference in home health care recipients. *Pain Research and Management*, 19, e109-e114.
- Vowles, K. E., Fink, B. C., & Cohen, L. L. (2014). Acceptance and Commitment Therapy for chronic pain: A diary study of treatment process in relation to reliable change in disability. *Journal of Contextual Behavioral Science*, 3, 74-80.
- Vowles, K. E., McCracken, L. M., Sowden, G., & Ashworth, J. (2014). Psychological flexibility in coping with chronic pain: Further examination of the Brief Pain Coping Inventory-2. *Clinical Journal of Pain*, 30, 324-330.
- Vowles, K. E., McEntee, M. L., & Bailey, R. W. (2014). Generalization of treatment gains following pain rehabilitation: Definition, principles, and an update since Fordyce (1976). In C. J. Main, F. J. Keefe, M. P. Jensen, J. W. S. Vlaeyen, & K. E. Vowles (Eds.). *Fordyce's Behavioral Methods for Chronic Pain and Illness* (pp. 428-433). New York: Walters-Kluwer.

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- Vowles, K. E., Rosser, B., Januszewicz, P., Morlion, B., Evers, S., & Eccleston, C. (2014). Everyday pain, analgesic beliefs, and analgesic behaviours in Europe and Russia: An epidemiological survey and analysis. *European Journal of Hospital Pharmacy, 21*, 39-44.
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- Vowles, K. E., Witkiewitz, K., Sowden, G., & Ashworth, J. (2014). Acceptance and Commitment Therapy for chronic pain: Evidence of mediation and clinically significant change following an abbreviated interdisciplinary program of rehabilitation. *Journal of Pain, 15*, 101-113.
- McNeil, D. W., Vargovich, A., M., Sorrell, J. T., & Vowles, K. E. (2013). Environmental, emotional, and cognitive determinants of dental pain. In D. I. Mostofsky, A. Forgione, & D. Giddon, (Eds.) *Behavioral Dentistry* (2nd ed) (pp. 89-108). Ames, Iowa: Blackwell Publishing.
- Vowles, K. E., & Thompson, M. (2012). The patient-provider relationship in chronic pain. *Current Pain and Headache Reports, 5*, 122-126.
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- Vowles, K. E., & Ashworth, J. (2011). Is opioid withdrawal necessary within comprehensive pain rehabilitation programmes? *Pain, 152*, 1948-1950.
- Vowles, K. E., & Thompson, M. (2011). Acceptance and Commitment Therapy for chronic pain. In L. M. McCracken (Ed.) *Mindfulness and Acceptance in Behavioral Medicine: Current Theory and Practice* (pp. 31-60). Oakland: New Harbinger Press.
- Vowles, K. E., McCracken, L. M., & Zhao-O'Brien, J. (2011). Acceptance and values-based action in chronic pain: A three year follow-up analysis of treatment effectiveness and process. *Behaviour Research and Therapy, 49*, 748-755.
- Cohen, L. L., Vowles, K. E., & Eccleston, C. (2010). Adolescent chronic pain-related functioning: Concordance and discordance of mother-proxy and self-report ratings. *European Journal of Pain, 14*, 882-886.
- Cohen, L. L., Vowles, K. E., & Eccleston, C. (2010). A taxonomy of adolescents with chronic pain: Predicting parents' distress. *Journal of Pediatric Psychology, 35*, 748-757.
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- McCracken, L. M., Vowles, K. E., & Zhao-O'Brien, J. (2010). Further development of an instrument to assess psychological flexibility in people with chronic pain. *Journal of Behavioral Medicine*, *33*, 346-354.
- Vowles, K. E., Cohen, L. L., McCracken, L. M., & Eccleston, C. (2010). Disentangling the complex relations among caregiver and adolescent responses to adolescent chronic pain: A cross-sectional, multivariate analysis using structural equation modelling. *Pain*, *151*, 680-686.
- Vowles, K. E., Jordan, A., & Eccleston, C. (2010). Toward a taxonomy of adolescents with chronic pain: Cluster and discriminant analyses of the Bath Adolescent Pain Questionnaire. *European Journal of Pain*, *14*, 214-221.
- Vowles, K. E., & McCracken, L. M. (2010). Comparing the influence of psychological flexibility and traditional pain management coping strategies on chronic pain treatment outcomes. *Behaviour Research & Therapy*, *48*, 141-146.
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- McCracken, L. M., & Vowles, K. E. (2009). The experience of pain and suffering from acute and chronic pain. In R. J. Moore (Ed.), *Biobehavioral Approaches to Acute and Chronic Pain* (pp. 1-16). New York: Springer.
- Rosser, B. A., Vowles, K. E., Keogh, E., Eccleston, C., & Mountain, G. A. (2009). Technologically assisted behaviour change: A systematic review of studies of novel technologies for the management of chronic illness. *Journal of Telemedicine and Telecare*, *15*, 327-338.
- Vowles, K. E., Wetherell, J. L., & Sorrell, J. T. (2009). Targeting acceptance, mindfulness, and values-based action in chronic pain: Findings of two preliminary trials of an outpatient group-based intervention. *Cognitive and Behavioral Practice*, *16*, 49-58.
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- Vowles, K. E., & McCracken, L. M. (2008). Acceptance and values-based action in chronic pain: A study of effectiveness and treatment process. *Journal of Consulting and Clinical Psychology, 76*, 397-407.
- Vowles, K. E., McCracken, L. M., & Eccleston, C. (2008). Patient functioning and catastrophizing in chronic pain: The mediating effects of acceptance. *Health Psychology, 27*, S136-S143.
- Vowles, K. E., McCracken, L. M., McLeod, C., & Eccleston, C. (2008). The Chronic Pain Acceptance Questionnaire: Confirmatory factor analysis and identification of patient subgroups. *Pain, 140*, 284-291.
- McCracken, L. M., Gauntlett-Gilbert, J., & Vowles, K. E. (2007). The role of mindfulness in a contextual cognitive-behavioral analysis of chronic pain-related suffering and disability. *Pain, 131*, 63-69.
- McCracken, L. M., & Vowles, K. E. (2007). Psychological flexibility and traditional pain management strategies in relation to patient functioning with chronic pain: An examination of a revised instrument. *Journal of Pain, 8*, 700-707.
- McCracken, L. M., Vowles, K. E., & Gauntlett-Gilbert, J. (2007). A prospective investigation of acceptance and control-oriented coping with chronic pain. *Journal of Behavioral Medicine, 30*, 339-349.
- Vowles, K. E., Gross, R. T., & McCracken, L. M. (2007). Evaluating outcomes in the interdisciplinary treatment of chronic pain: A guide for practicing clinicians. In M. Schatman & A. Campbell, (Eds.) *Chronic Pain Management: Guidelines for Multidisciplinary Program Development* (pp. 203-220). New York, Informa.
- Vowles, K. E., McCracken, L. M., & Eccleston, C. (2007). Processes of behavior change in interdisciplinary treatment of chronic pain: Contributions of pain intensity, catastrophizing, and acceptance. *European Journal of Pain, 11*, 779-787.
- Vowles, K. E., McNeil, D. W., Gross, R. T., McDaniel, M., Mouse, A., Bates, M., Gallimore, P. & McCall, C. (2007). Effects of pain acceptance and pain control strategies on physical impairment in individuals with chronic low back pain. *Behavior Therapy, 38*, 412-425.
- Cook, A. J., Brawer, P. A., & Vowles, K. E. (2006). The fear-avoidance model of chronic pain: Validation and age analysis using structural equation modeling. *Pain, 121*, 195-206.

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- Feldner, M. T., Hekmat, H., Zvolensky, M. J., Vowles, K. E., Secrist, Z., & Leen-Feldner, E. W. (2006). The role of experiential avoidance in acute pain tolerance: A laboratory test. *Journal of Behavior Therapy and Experimental Psychiatry, 37*, 146-158.
- McCracken, L. M., & Vowles, K. E. (2006). Acceptance of chronic pain. *Current Pain and Headache Reports, 10*, 90-94.
- [Article reprinted in 2007 in *Current Primary Care Reports, 2*, 18-22].
- McNeil, D. W., Sorrell, J. T., & Vowles, K. E. (2006). Emotional and environmental determinants of dental pain. In D. I. Mostofsky, A. Forgione, & D. Giddon, (Eds.) *Behavioral Dentistry* (pp. 79-99). Ames, Iowa: Blackwell Publishing.
- Vowles, K. E., McNeil, D. W., Sorrell, J. T., & Lawrence, S. M. (2006). Fear and pain: Investigating the interaction between aversive states. *Journal of Abnormal Psychology, 115*, 821-833.
- McCracken, L. M., Vowles, K. E., & Eccleston, C. (2005). Acceptance-based treatment for persons with complex, long standing chronic pain: A preliminary analysis of treatment outcome in comparison to a waiting phase. *Behaviour Research and Therapy, 43*, 1335-1346.
- Vowles, K. E., McNeil, D. W., Sorrell, J. T., McKee, D. R., Zvolensky, M. J., Graves, R. W., Weaver, B. R., & Riel, J. (2005). Oral surgery appointment attendance: Effects from fears of dentistry and pain. In P. L. Gower (Ed.), *Psychology of fear* (pp. 91-105). Hauppauge, NY, Nova Science Publishing.
- McCracken, L. M., Vowles, K. E., & Eccleston, C. (2004). Acceptance of chronic pain: Component analysis and a revised assessment method. *Pain, 107*, 159-166.
- Vowles, K. E., Gross, R. T., & Sorrell, J. T. (2004). Predicting work status following interdisciplinary treatment for chronic pain. *European Journal of Pain, 8*, 351-358.
- Vowles, K. E., Zvolensky, M. J., Gross, R. T., & Sperry, J. A. (2004). Pain-related anxiety in the prediction of chronic low back pain distress. *Journal of Behavioral Medicine, 27*, 77-89.
- McNeil, D. W., & Vowles, K. E. (2004). Assessment of fear and anxiety associated with pain: Conceptualization, methods, and measures. In G. J. G. Asmundson, J. W. S. Vlaeyen, & G. Crombez (Eds.), *Understanding and treating fear of pain* (pp. 189-211). Oxford, United Kingdom: Oxford University Press.
- McNeil, D. W., Vowles, K.E., & Sorrell, J.T. (2003). Comparisons of social phobia, social phobia subtypes, and avoidant personality disorder: Implications for assessment and treatment. *Directions in Clinical and Counseling Psychology, 15*, 1-11.
- Vowles, K. E., & Gross, R. T. (2003). Work-related beliefs about injury and physical capability

for work in individuals with chronic pain. *Pain*, 101, 291-298.

Carter, L. E., McNeil, D. W., Vowles, K. E., Sorrell, J. T., Turk, C., Ries, B., & Hopko, D. R. (2002). Effects of emotion on pain reports, tolerance, and physiology. *Pain Research and Management*, 7, 21-30.

McNeil, D. W., Sorrell, J. T., Vowles, K. E., & Billmeyer, T. (2002). Social phobia. In M. Hersen (Ed.), *Clinical behavior therapy: Adults and children* (pp. 90-105). New York: John Wiley & Sons.

Books

Main, C. J., Keefe, F. J., Jensen, M. P., Vlaeyen, J. W. S., & Vowles, K. E. (Eds.). (2014). *Fordeyce's Behavioral Methods for Chronic Pain and Illness*. New York: Walters-Kluwer.

Published Abstracts

Bailey, R.W., Vowles, K.E., Ashworth, J., Sowden, G. (2015). An investigation of committed action in chronic pain and its relation to patient functioning [Abstract]. *Annals of Behavioral Medicine*, 49, S115.

Vowles, K. E., Witkiewitz, K., Levell, J., Sowden, G., & Ashworth, J. (2015). Is distress reduction necessary in chronic pain? A session-by-session analysis of distress change trajectories in relation to treatment outcomes following interdisciplinary Acceptance and Commitment Therapy. *Psychotherapy and Psychosomatics*, 84 (suppl 1), 76.

McEntee, M. L., Vowles, K. E., & McCracken, L. M. (2014). Factor structure and a new short form of the Sickness Impact Profile in chronic pain [Abstract]. *Journal of Pain*, 15, S17.

Rivers W. E., Vowles K. E., Mead, B., Gosselin, K. (2014). Development of computerized clinical outcomes database [Abstract]. *Journal of Pain*, 15, S5.

Steffen, L. E., McLouth, C. J., McCracken, L. M., & Vowles, K. E. (2014). Acceptance and pain-related fear in chronic pain: Opposite sides of the same coin [Abstract]? *Journal of Pain*, 15, S106.

Vowles, K. E., Fink, B. C., & Cohen, L. L. (2014). Acceptance and Commitment Therapy for chronic pain: A diary study of treatment process in relation to reliable change in disability[Abstract]. *Journal of Pain*, 15, S111.

Frohe, T., L., McEntee, M., Van der Goes, D., & Vowles, K. E. (2013). Systematic review of opioid dependence in chronic pain [Abstract]. *Journal of Pain*, 14, S10.

McEntee, M., Vowles, K. E., & McCracken, L. M. (2013). Reliability and predictive utility of a dual component model of acceptance in chronic pain [Abstract]. *Journal of Pain*, 14, S95.

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- Vowles, K. E., McCracken, L. M., & Zhao-O'Brien, J. (2010). Acceptance and values-based action in chronic pain: An analysis of treatment outcomes and processes three years after treatment completion [Abstract]. *Journal of Pain*, 11, S55.
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- Vowles, K. E., MacLaren, J., & Gross, R. T. (2006). Continued depressive symptoms as a risk of decreased treatment effect following interdisciplinary treatment [Abstract].

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- McNeil, D. W., Vowles, K. E., Crout, R. J., Sorrell, J. T., Razmus, T. F., Lewis, M. W., Lawrence, S. M. Rice, E., Patthoff, E., & Chrystan, J. A. (2003). Dental fear and fear of pain: Differentiating clusters of dental patients [Abstract]. *Journal of Dental Research*, 82, A-987.

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- Vowles, K. E., O'Connell, C. E., Larkin, K. T., & Zayfert, C. (2002). Correlates of adherence in anger management training with essential hypertensives: Is treatment adherence related to behavioral and blood pressure changes? [Abstract]. *Annals of Behavioral Medicine*, 24 (Suppl. 1), S78.
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- McNeil, D. W., Frere, C. L., Crout, R. J., Yorty, J. S., Sorrell, J. T., & Vowles, K. E. (2000). Audiovisual distraction effects on physiological responding during dental prophylaxis. [Abstract] *Journal of Dental Research*, 79, 289.

Book Reviews

- Vowles, K. E. (2009). Comprehensive, useful, and data-driven: A review of Main, Sullivan, & Watson's (2008) "Pain management: Practical applications of the biopsychosocial perspective in clinical and occupational settings (2nd ed.)". *Pain News* (Newsletter of the British Pain Society).
- McCracken, L. M., & Vowles, K. E. (2003). Taal, controle, en aanvaarding in de gadragstherapie S. C. Hayes, K. D. Strosahl, & K. G. Wilson {Language, control, and acceptance in behavior therapy: Review of Acceptance and Commitment Therapy: An Experiential Approach to Behavior Change by S. C. Hayes, K. D. Strosahl, & K. G. Wilson} (1999). *Gedragstherapie (Dutch Journal of Behavior Therapy)*, 36, 42-43.

Other Publications – Letters to the Editor

- Vowles, K. E., McEntee, M. L., Siyahhan Julnes, P., Frohe, T., Ney, J. P., & van der Goes, D. N. (2015). Reply to Voon. *Pain*, 156, 2107-2108.
- Vowles, K. E., McEntee, M. L., Siyahhan Julnes, P., Frohe, T., Ney, J. P., & van der Goes, D. N. (2015). On the importance of clear comparisons and a methodologically rigorous empirical literature in evaluating opioid use in chronic pain: A response to Sholten and Henningfield. *Pain*, 156: 1577-1578.
- McCracken, L. M., Vowles, K. E., & Thompson, M. (2007). Comment on Nicholas and Asghari: Pain 2006; 124: 269-279. *Pain*, 128, 283-284.
- Cook, A. J., Vowles, K. E., & Brawer, P. A. (2006). Model validation and structural equation

modeling: A reply to Ward and Thorn. *Pain*, 126, 319-320.

Manuscripts – Under Review

McEntee, M. L., Pielech, M., & Vowles, K. E. (under editorial review). Acute and chronic non-cancer pain. In V. Zeigler-Hill & Shackelford, T. K. (Eds.), *Encyclopedia of personality and individual differences*. New York: Springer.

Symposia, Workshops, and Invited Presentations

Vowles, K. E. (2016, May). *Opioid use in chronic pain: What's the big deal?* Invited presentation given at Oregon Pain Guidance group's annual Moving through Chronic Pain: A Community Forum meeting, Medford, Oregon, USA

Vowles, K. E. (2016, May). *Psychological treatments for chronic pain: The example of Acceptance and Commitment Therapy*. Invited presentation given at Oregon Pain Guidance group's 5th Annual A thoughtful approach to pain management. Medford, Oregon, USA

Vowles, K. E. (2016, May). *Working with acceptance, mindfulness, and values in chronic pain: An introduction and skills building seminar*. Invited clinical workshop given at Oregon Pain Guidance group's annual Moving through Chronic Pain: A Community Forum meeting, Medford, Oregon, USA

Vowles, K. E., Witkiewitz, K., Sowden, G., Levell, J., & Ashworth, J. (2016, April). *Do we need to reduce pain and distress in pain rehabilitation?* Invited presentation given at the PainAdelaide 2016 conference, Adelaide, Australia.

Rovner, G., Vowles, K. E., Wifstrand, L., Gerdle, B., Johansson, F., & Gillanders, D. (2016, March). Patient subgroups according to pain acceptance and a clinical algorithm to predict differential response to interprofessional rehabilitation. Presentation conducted at the 6th International Conference on Physiotherapy in Psychiatry and Mental Health, Madrid, Spain.

Vowles, K. E. (2016, March). Mindfulness in Acceptance and Commitment Therapy for chronic pain. In M. Hogg & N. Moore (chairs), *Mindfulness, yoga, and beyond: How to integrate mindfulness into a multidimensional pain management approach*. Symposium conducted at the 36th annual conference of the Australian Pain Society, Perth, Australia.

Vowles, K. E. (2016, March). Acceptance and Commitment Therapy for chronic pain: What can non-psychologists do? In R. Schutze (chair), *Non-psychologist delivered psychosocial intervention for musculoskeletal pain*. Symposium conducted at the 36th annual conference of the Australian Pain Society, Perth, Australia.

Vowles, K. E. (2016, March). *Working with acceptance, mindfulness, and values in chronic pain: A skills building workshop*. Workshop organized by Neuroscience Research Australia, Sydney, Australia.

Vowles, K. E. (2016, March). *Working with acceptance, mindfulness, and values in chronic pain:*

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- A skills building workshop.* Workshop organized by the Australian Association for Cognitive Behaviour Therapy, Perth, Australia.
- Vowles, K. E. (2016, March). *Working with acceptance, mindfulness, and values in chronic pain: A skills building workshop.* Workshop organized by the Australian Psychological Association, Melbourne, Australia.
- Witkiewitz, K., Vowles, K.E., McCallion, E., Frohe, T., Kirouac, M. & Maisto, S.A. (2016, March). Association between pain and alcohol treatment outcomes: The role of negative affect. In K. Witkiewitz (Chair), *Effects of Problematic Substance Use in Chronic Pain*. Symposium at the 2016 Collaborative Perspectives on Addiction Meeting, San Diego, CA.
- Vowles, K. E. (2016, February). *Willingness and commitment in chronic pain.* Invited presentation provided at the 2nd annual San Diego Pain Summit, San Diego, CA, USA.
- Vowles, K. E. (2016, February). *Working with acceptance, mindfulness, and values in chronic pain: An introduction and skills building seminar.* Workshop organized by the San Diego Pain Summit, San, Diego, CA, USA.
- Vowles, K. E., Witkiewitz, K., Levell, J., Sowden, G., & Ashworth, J. (2015, August). Analyzing change trajectories within Acceptance and Commitment Therapy for chronic pain. In J. Overholster (chair), *Pain management and rehabilitation strategies: Learning from physical pain to help manage emotional pain.* Symposium conducted at 23rd World Congress on Psychosomatic Medicine, Glasgow, Scotland.
- Vowles, K. E., (2015, June). *An introduction to Acceptance and Commitment Therapy for chronic pain.* Invited workshop presented at the 4th annual “A thoughtful approach to pain management: New horizons – what clearly works” conference. Conference organized by Continuing Medical Education of Southern Oregon, Medford, OR, USA.
- Vowles, K. E. (2015, June). *Behavioral approaches to the treatment of chronic pain.* Invited presentation delivered a the 4th annual “A thoughtful approach to pain management: New horizons – what clearly works” conference. Conference organized by Continuing Medical Education of Southern Oregon, Medford, OR, USA.
- Vowles, K. E., (2015, June). *Living a valued life with chronic pain.* Invited presentation delivered at the 2nd annual Moving Through Chronic Pain: A community response. Community forum sponsored by Jackson County Health and Human Services and the Oregon Pain Guidance commission, Medford, OR, USA
- Vowles, K. E. (2015, May). *Acceptance and Commitment Therapy for chronic pain.* Presentation delivered at the Project Echo teleclinic (Chronic Pain and Headache TeleEcho clinic), University of New Mexico, Albuquerque, NM, USA.
- Vowles, K. E. (2015, April). *Examining problematic substance use in chronic pain: Smoking, alcohol, and prescribed opioids.* Symposium chaired at the annual conference of the

Society of Behavioral Medicine, San Antonio, TX, USA.

- Vowles, K. E., McEntee, M. L., Julnes, P. S., Frohe, T., Ney, T. & van der Goes, D. (2015, April). Rates of opioid misuse, abuse, and addiction in chronic pain: A systematic review and data synthesis. In K. E. Vowles (chair), *Examining problematic substance use in chronic pain: Smoking, alcohol, and prescribed opioids*. Symposium conducted at the annual conference of the Society of Behavioral Medicine, San Antonio, TX, USA.
- McEntee, M. L., Vowles, K. E., & McCracken, L. M. (2015, April). Balancing breadth and burden in the assessment of functioning in chronic pain: An Item Response Theory approach. In H. Leventhal (chair), *Improving healthcare through advancing health assessments and research methodology*. Symposium conducted at the annual conference of the Society of Behavioral Medicine, San Antonio, TX, USA.
- Steffen, L. E., & Vowles, K. E. (2015, April). A daily diary framework to study life as it is lived with lung cancer. In H. Leventhal (chair), *Improving healthcare through advancing health assessments and research methodology*. Symposium conducted at the annual conference of the Society of Behavioral Medicine, San Antonio, TX, USA.
- Vowles, K. E. (2015, March). *A primer on Acceptance and Commitment Therapy for chronic pain*. Workshop organized by the Australian Pain Society and Pain Adelaide Consortium, Adelaide, Australia.
- Vowles, K. E. (2015, March). *Treatment process in Acceptance and Commitment Therapy for Chronic Pain*. Invited presentation given at the annual Pain Adelaide conference, Adelaide, Australia.
- Vowles, K. E. (2015, March). *A primer on Acceptance and Commitment Therapy for chronic pain: Willingness and values*. Invited workshop provided as part of Neuro Orthopaedic Institute Australasia's Explain Pain 3-day seminar, Melbourne, Australia.
- Vowles, K. E. (2015, March). Willingness to have pain in the service of valued living. Invited presentation in S. Knight (chair), *Acceptance and Commitment Therapy (ACT) in the context of child and adolescent chronic illness*. Symposium conducted at the Royal Children's Hospital, Melbourne, Australia.
- Vowles, K. E., Witkiewitz, K., Levell, J., Sowden, G., & Ashworth, J. (2014, October). Treatment process in Acceptance and Commitment Therapy for chronic pain -or- it is not how you feel, it is how you *respond* to how you feel. In M. P. Jensen (chair), *Beyond the ordinary: Innovative psychological and educational approaches to chronic pain treatment*. Symposium conducted at the 15th World Congress on Pain, Buenos Aires, Argentina.
- Vowles, K. E. (2014, September). ACT for chronic pain: Understanding chronic pain from a contextual behavioral perspective. Workshop hosted by the Portland Psychotherapy Clinical, Research, and Training Center, Portland, OR, USA.
- Vowles, K. E. (2014, September). Working with acceptance, mindfulness, and values in chronic

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- pain: Advanced clinical skills for the complex chronic pain patient. Workshop hosted by the Portland Psychotherapy Clinical, Research, and Training Center, Portland, OR, USA.
- Vowles, K. E., Fink, B. C., & Cohen, L. L. (2014, June). Acceptance and Commitment Therapy for chronic pain: A diary study of treatment process in relation to reliable change in disability. In M. Oser (chair), *Designing and delivering ACT interventions for individuals with medical conditions: Transdiagnostic principles and key processes of change*. Symposium conducted at the annual meeting of the Association for Contextual Behavioral Science, Minneapolis, MN, USA.
- Vowles, K. E. (2014, June). *Acceptance and Commitment Therapy for chronic pain*. Invited workshop conducted at the annual meeting of the Association for Contextual Behavioral Science, Minneapolis, MN, USA.
- Vowles, K. E. (2014, June). Emerging psychological perspectives on disability and rehabilitation in chronic pain. Presentation delivered at the Project Echo teleclinic (Indian Health Service), University of New Mexico, Albuquerque, NM, USA.
- Vowles, K. E. (2014, June). *ACBS junior investigator poster award recipients – oral presentations*. Symposium chaired at the the annual meeting of the Association for Contextual Behavioral Science, Minneapolis, MN, USA.
- Vowles, K. E. (2014, June). *Characteristics of effective treatment*. In J. Adams & M. R. Helene (chairs), *Targets and mechanisms of treatment in chronic pain*. Symposium conducted at the annual meeting of the European Congress of Rheumatology. Paris, France.
- Vowles, K. E. (2014, May). *Acceptance and Commitment Therapy in the treatment of complex chronic pain*. Workshop invited by the Irish Society of Chartered Physiotherapists, Shannon, Republic of Ireland.
- Vowles, K. E. (chair), McCracken, L. M. Burns, J. W., & Mansell, G. (2013, May). *Mechanisms of change in psychosocial interventions for chronic pain*. Symposium conducted at the annual meeting of the American Pain Society. Tampa, FL, USA.
- Vowles, K. E., & McCracken, L. M. (2013, May). *Words matter*. Invited presentation conducted at the annual meeting of the American Pain Society's Psychosocial Research Special Interest Group. Tampa, FL, USA.
- Vowles, K. E. (2013, April). Working with acceptance, mindfulness, and values in chronic pain: An introduction and skills building seminar. Clinical seminar presented at the annual meeting of the Society of Behavioral Medicine. Philadelphia, PA, USA.
- Vowles, K. E. (2013, May). *Principles in the treatment of chronic pain across the age range*. Invited presentation conducted at the annual meeting of the American Pain Society. New Orleans, LA, USA.
- Cohen, L. L., & Vowles, K. E. (2013, April). *Acceptance and values-based behavioral treatment*

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- for pediatric chronic pain.* Workshop conducted at the National Conference on Pediatric Psychology. New Orleans, LA, USA.
- Mansell, G., Hill, J., Vowles, K. E. & van der Windt, D. (2012, October). *Investigating psychological mediators of outcome in the STarT Back trial.* Conference abstract presented at the International Forum on Back Pain Research, Odense, Denmark.
- Vowles, K. E. (2012, June). ACT and chronic pain: Viewpoints on where we go from here. Invited plenary at Karolinska University Hospital, Stockholm, Sweden.
- Vowles, K. E., & Sowden, G. (2012, June). *Acceptance and Commitment Therapy for chronic pain: Introductory workshop.* One day workshop sponsored by the Nuffield Orthopaedic Centre, Oxford University Hospitals, Oxford, United Kingdom.
- Vowles, K. E., Sowden, G., & Ashworth, J. (2012, June). *Interdisciplinary rehabilitation for chronic pain: An introduction and skills-building workshop.* Three day workshop sponsored by The Irish Society for Physiotherapy, Dublin, Republic of Ireland.
- Vowles, K. E. (2012, March). *Behavioral principles in treatment: The example of chronic pain.* One day workshop delivered on the Clinical Psychology Training programme, Staffordshire University, Stoke-on-Trent, United Kingdom.
- Vowles, K. E. (2011, September). Integrating emerging psychological approaches into practice: An introduction and skills-based primer. In S. Morley (chair), *Psychological Assessment and Treatment of Pain.* Refresher course (pre-conference workshop) conducted at the 7th Congress of the European Chapters of the International Association for Pain Chapters, Hamburg, Germany.
- Vowles, K. E. (2011, September). On the identification of individuals requiring specialist treatments for disabling & distressing chronic pain. In C. J. Main (chair), *The science of early intervention for disabling pain.* Symposium conducted at the 7th Congress of the European Chapters of the International Association for Pain Chapters, Hamburg, Germany.
- Vowles, K. E. (2011, September). Contributing to practice-based evidence: A “case” study to guide practicing clinicians. In S. Morley (chair), *Evaluating clinical effectiveness: Its more than $p < .05$.* Symposium conducted at the biannual meeting of the Pain Management Programmes Special Interest Group of the British Pain Society, Bath, UK.
- Vowles, K. E. (2011, July). Update on treatment outcome research in Acceptance and Commitment Therapy for chronic pain. In J. Lloyd (chair), *ACT research in the UK.* Symposium conducted at the annual meeting of the British Association for Behavioural and Cognitive Psychotherapies, Guildford, UK.
- Vowles, K. E. (2011, July). Towards a more comprehensive understanding of effective psychological treatments for those with chronic pain. In N. Tang (chair), *Maximising the effect of treatments for musculoskeletal pain: Strategies in primary and secondary care.*

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- Symposium conducted at the annual meeting of the British Association for Behavioural and Cognitive Psychotherapies, Guildford, UK.
- Vowles, K. E., & McCracken, L. M. (2011, July). *Working with acceptance, mindfulness, and values in chronic pain: An introduction and skills building workshop*. Skills class conducted at the annual meeting of the British Association for Behavioural and Cognitive Psychotherapies, Guildford, UK.
- Vowles, K. E. (2011, July). Update on active therapeutic processes in ACT for chronic pain. In N. Ferreira (chair), *ACT research in health contexts*. Symposium conducted at the 9th World Conference of the Association for Contextual Behavioral Science, Parma, Italy.
- Vowles, K. E., Thompson, M., Sowden, G., Wilson, S., & Ashworth, J. (2011, July). *Interdisciplinary ACT for chronic pain: A primer and skills-based workshop*. Workshop conducted at the 9th World Conference of the Association for Contextual Behavioral Science, Parma, Italy.
- Vowles, K. E. (2011, July). Expanding directions in ACT for chronic pain. (2011, July). In R. Wicksell (chair), *Outcomes and processes in Acceptance and Commitment Therapy (ACT) for chronic pain: Does it work and is it different from traditional CBT?* Symposium conducted at the 9th World Conference of the Association for Contextual Behavioral Science, Parma, Italy.
- Vowles, K. E. (2011, March). *Towards more adequate treatments of chronic pain*. Invited presentation given at the Stoke-on-Trent GP Consortium meeting. Stoke-on-Trent, United Kingdom.
- Vowles, K. E., (2011, March). *Behavioral principles in treatment: The example of chronic pain*. One day workshop delivered on the Clinical Psychology Training programme, Staffordshire University, Stoke-on-Trent, United Kingdom.
- Vowles, K. E. (2010, October). *Process and prevention in the treatment of chronic pain*. Presentation given at the Keele – Haywood Academic Partnership quarterly meeting, Keele, United Kingdom.
- Vowles, K. E., (2010, October). *Acceptance, values, and mindfulness in chronic pain*. Invited presentation given at the 5th National Rheumatology Pain Study Day, Leeds, United Kingdom.
- Vowles, K. E. (2010, October). *Emerging psychological perspectives on disability and rehabilitation in chronic pain*. Invited presentation given to the Department of Psychology, University of Derby, Derby, United Kingdom
- Vowles, K. E. (2010, October). *Update on interdisciplinary treatment of pain in the North Staffordshire and Stoke-on-Trent region*. Invited presentation given at the monthly Stoke-on-Trent GP educational meeting. Stoke-on-Trent, United Kingdom.

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- Vowles, K. E. (2010, September). *Update on interdisciplinary treatment of pain in the North Staffordshire and Stoke-on-Trent region*. Invited presentation given at the monthly North Staffordshire GP educational meeting. North Staffordshire, United Kingdom.
- Cohen, L. L., Masuda, A., Feinstein, A. B., Welkon, J., & Vowles, K. E. (2010, June). *Pain intensity, psychological inflexibility, and acceptance of chronic illness as predictors of quality of life in adolescents with sickle cell disease*. Paper presented at the Association for Contextual Behavior Science Annual World Conference VIII, Reno, Nevada, USA.
- Vowles, K. E. (2010, June). *Acceptance and Commitment Therapy for Chronic Pain*. 1-day workshop conducted at the Nottingham Pain and Back Team, City Hospital, Nottingham, UK.
- McCracken, L. M., Vowles, K. E., & Dahl, J. (2010, May). *Working with acceptance, mindfulness, and values in chronic pain: An introduction and skills building workshop*. Clinical workshop conducted at the May 2010 meeting of the American Pain Society, Baltimore, Maryland, USA.
- Vowles, K. E., McCracken, L. M., & Zhao-O'Brien, J. (2010, May). *Acceptance and values-based action in chronic pain: An analysis of treatment outcomes and processes three years after treatment completion*. Paper presented at the May 2010 meeting of the American Pain Society, Baltimore, Maryland, USA.
- Vowles, K. E. (2010, May). *Acceptance and Commitment Therapy for chronic pain*. ½ day workshop delivered as part of the *Learning ACT* week, Southampton University, Southampton, UK.
- Vowles, K. E. (2010, May). *Values*. ½ day workshop delivered as part of the *Learning ACT* week, Southampton University, Southampton, UK.
- Vowles, K. E. (2010, April). *Characteristics of effective treatment environments*. Invited presentation given at the April 2010 annual meeting of the British Pain Society, Manchester, UK.
- Vowles, K. E., Ashworth, J., Beachill, D., Graham, C., Packham, J., Sowden, G., & Stanyer, N. (2010, April). *An examination of acceptance and values at the interface of primary and secondary care in adults with chronic pain*. Invited paper presented at the 2010 meeting of the British Pain Society, Manchester, UK.
- Vowles, K. E. (2009, December). *Emerging psychological perspectives on disability and rehabilitation in chronic pain*. Invited colloquium given at the Department of Psychology, Staffordshire University, Stoke-on-Trent, UK.
- Vowles, K. E. (2009, November). *Introduction to clinical skills and Acceptance and Commitment Therapy for physiotherapists working in chronic pain*. 1-day workshop presented at the ARC Primary Care Sciences Centre, Keele University, Keele, UK.

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- Vowles, K. E. (2009, September). Making the transition: Recommendations in designing remote treatments for complex individuals. In E. Keogh (chair), *Cybertherapy and pain: An introduction and methodological review*. Symposium conducted at the 6th Congress of the European Chapters of the International Association for Pain Chapters, Lisbon, Portugal. [also listed as published abstract].
- Vowles, K. E. (2009, September). *Clinical skills for complex clients*. Invited 4-day workshop given for Novas Scarman (workshop will be conducted 4 times between September 2009 and July 2010). Bristol, UK.
- Fung, K., Zurowski, M., Dahl, J., Vowles, K. E., & Wicksell, R. (2009, July). *Working with values in chronic pain*. Panel discussion conducted at the 2009 meeting of the Association for Contextual Behavioral Science, Enschede, The Netherlands.
- Vowles, K. E. (2009, July). *Assessment, treatment, and process in Acceptance and Commitment Therapy for chronic illness*. Symposium chaired at the 2009 meeting of the Association for Contextual Behavioral Science, Enschede, The Netherlands.
- Vowles, K. E., Catchpool, N., Johnson, A., Bristow, K., & Hadlandsmyth, K. (2009, July). Tired all the time: The role of acceptance in Chronic Fatigue Syndrome. In K. E. Vowles (chair), *Assessment, treatment, and process in Acceptance and Commitment Therapy for chronic illness*. Symposium conducted at the 2009 meeting of the Association for Contextual Behavioral Science, Enschede, The Netherlands.
- Vowles, K. E., & McCracken, L. M. (2009, July). Building our tower: Evidence for acceptance, mindfulness, and values in the treatment of chronic pain. In D. Gillanders (chair), *Acceptance and Commitment Therapy and chronic illnesses*. Symposium conducted at the 2009 meeting of the Association for Contextual Behavioral Science, Enschede, The Netherlands.
- Vowles, K. E. (2009, May). What matters and what to include in treatment? More questions than answers. Invited plenary sponsored by the British Psychological Society, Faculty of Clinical Health Psychology, as part of a day long symposium, *Psychological care for people with physical health Problems: Critical perspective and current thinking and relevance to service structure and development*. Bristol, UK.
- Vowles, K. E. (2009, May). Coping in chronic pain: What behaviors are we trying to alter? In M. P. Jensen (moderator), *Learning to live with pain: Advances in the psychology of human suffering*. Symposium conducted at the 2009 annual meeting of the American Pain Society, San Diego, CA, USA.
- Vowles, K. E. (2008, March). *Expanding the cognitive-behavioral tradition: Acceptance and values in chronic pain*. Invited workshop conducted at the Conditions Management Programmes Annual Training Event, Chepstow, Wales, United Kingdom.
- Vowles, K. E. (2008, December). *Acceptance, mindfulness, and values in the treatment of chronic pain*. Invited 2-day workshop conducted at the Department of Pain

Rehabilitation, Karolinska Institute, Stockholm, Sweden.

- Vowles, K. E. (2008, November). *Emerging psychological perspectives on disability and rehabilitation in chronic pain*. Invited presentation given at the annual joint meeting of the College of Occupational Therapists – Work Specialist Section, British Society of Rehabilitation Medicine, & Vocational Rehabilitation Association, Bristol, United Kingdom.
- Vowles, K. E., & McCracken, L. M. (2008, September). Acceptance and values-based action in Contextual Cognitive Behavioral Therapy for chronic pain: A study of treatment effectiveness and process. In J. Dahl (Chair), *Acceptance and Commitment Therapy and treatment of different psychological problems*. Symposium conducted at the 2008 European Association for Cognitive and Behavioural Therapies Annual Congress, Helsinki, Finland.
- Vowles, K. E., & McCracken, L. M. (2008, September). Comparing the influence of psychological flexibility and traditional pain management coping strategies on treatment outcomes in chronic pain. In S. C. Hayes (Chair), *Processes of change in Cognitive Behavioral Therapy and Acceptance and Commitment Therapy*. Symposium conducted at the 2008 European Association for Cognitive and Behavioural Therapies Annual Congress, Helsinki, Finland.
- Vowles, K. E., McCracken, L. M., Eccleston, C., McLeod, C. (2008, September). *The Chronic Pain Acceptance Questionnaire: Confirmatory factor analysis and identification of patient subgroups*. Paper selected for oral presentation at the 2008 European Association for Cognitive and Behavioural Therapies Annual Congress, Helsinki, Finland.
- Vowles, K. E. (2008, May). *Psychological perspectives on pain and suffering*. Invited plenary sponsored by the Royal Society of Medicine as part of a day long symposium, *The many facets of low back pain*. Belfast, Ireland, UK.
- Vowles, K. E. (2008, February). *Acceptance, values, and mindfulness in the context of chronic pain*. Invited one-day workshop conducted at the British School of Osteopathy as part of the Cognitive Behavioral Treatment for Chronic Pain training series. London, UK
- Vowles, K. E. (2007, November). *Exploring the influence of acceptance, mindfulness, and values-based action on treatment outcomes and overall functioning: Unique contributions or old wine in a new bottle?* Symposium chaired at the 2007 meeting of the Association of Behavioral and Cognitive Therapies. Philadelphia, PA, USA.
- Vowles, K. E., & McCracken, L. M. (2007, November). The contributions of psychological flexibility and traditional pain management strategies to patient functioning with chronic pain. In K. E. Vowles (Chair), *Exploring the influence of acceptance, mindfulness, and values-based action on treatment outcomes and overall functioning: Unique contributions or old wine in a new bottle?* Symposium conducted at the 2007 meeting of the Association of Behavioral and Cognitive Therapies. Philadelphia, PA, USA.

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- Vowles, K. E., & McCracken, L. M. (2007, November). Treatment for severely disabled chronic pain sufferers: Outcomes, clinically significant change, and key processes. In D. W. McNeil (Chair), *Pain and comorbidity: Basic research leading to clinical interventions*. Symposium conducted at the 2007 meeting of the Association of Behavioral and Cognitive Therapies. Philadelphia, PA, USA.
- Vowles K. E. (2007, May). Acceptance and values-based action in contextual cognitive behavioral therapy for chronic pain: A study of effectiveness and treatment process. In Haythornthwaite, J. A. (Moderator), *Acceptance, mindfulness, values, and cognition in a contextual cognitive-behavioral approach to chronic pain*. Symposium presented at the 2007 meeting of the American Pain Society. Washington, DC, USA.
- Vowles, K. E., Gregg, J., Westin, V., & Lundgren, T. (2006, July). *Acceptance and Commitment Therapy in behavioural medicine*. Symposium conducted at the meeting of the Second World Conference on ACT, RFT, and Contextual Behavioral Science. London, UK.
- Vowles, K. E., & Wicksell, R. K. (2006, July). *The third wave therapies in the context of chronic and acute pain: A clinical and research update*. Symposium co-chaired at the meeting of the Second World Conference on ACT, RFT, and Contextual Behavioral Science. London, UK.
- Vowles, K. E., McCracken, L. M., & Eccleston, C. (2006, July). Patient functioning and catastrophizing in chronic pain: The mediating effects of acceptance. In K. E. Vowles & R. K. Wicksell (Chairs), *The third wave therapies in the context of chronic and acute pain: A clinical and research update*. Symposium conducted at the meeting of the Second World Conference on ACT, RFT, and Contextual Behavioral Science. London, UK.
- Wicksell, R. K., Vowles, K. E., & Robinson, P. (2006, July). *Acceptance in the context of chronic pain in children and adults*. Workshop conducted at the Second World Conference on ACT, RFT, and Contextual Behavioural Science. London, UK.
- Vowles, K. E., McCracken, L. M., & Eccleston, C. (2005, November). Processes of behavior change in chronic pain: Pain intensity, catastrophizing, and acceptance. . In L. A. Greco (Chair), *Acceptance within the context of chronic health conditions: Empirical findings, clinical applications, and directions for future research*. Symposium conducted at the 2005 meeting of the Association for Behavioral and Cognitive Therapies. Washington, DC, USA.
- Vowles, K. E., McNeil, D. W., Gross, R. T., McDaniel, M., Mouse, A., Bates, M., Gallimore, P. & McCall, C. (2005, May). *Pain-related acceptance and physical impairment in individuals with chronic low back pain*. Paper selected for oral presentation at the 2005 meeting of the American Pain Society, Boston, MA, USA. [also listed as published abstract].
- Vowles, K.E., McCracken, L. M., & Eccleston, C. (2005, April). Issues of measurement, validity, and treatment outcome in chronic pain-related acceptance. In F. Keefe (Moderator), *The role of acceptance in chronic pain: A clinical and research update*. Symposium

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- presented at the 2005 meeting of the American Pain Society, Boston, MA, USA.
- Vowles, K. E., McCracken, L. M., & Eccleston, C. (2004, November). Treatment outcome and three-month follow-up of an acceptance-based interdisciplinary treatment for chronic pain. In R. K. Wicksell (Chair), *Using ACT in the treatment of chronic pain and related disorders*. Symposium presented at the 2004 meeting of the Association for the Advancement of Behavior Therapy, New Orleans, LA, USA.
- Vowles, K. E., & McNeil, D. W. (2004, March). Fears of dentistry and pain: Evaluating differences in appointment attendance rates and pain responding based on patient subgroups. In D. W. McNeil (Chair), *Contemporary approaches to fears about dental pain: Theoretical formulations and clinical applications*. Symposium conducted at the 2004 meeting of the International Association for Dental Research, Honolulu, HI, USA.
- Vowles, K. E. (2003, November). *Depression, stress, and diabetes: Psychological and biological interactions*. Presentation sponsored by the University of Connecticut Health Center, Farmington, CT, USA. Part of the Discovery Series community presentations.
- Vowles, K. E. (2003, September). *Coping and emotion in diabetes*. Presentation sponsored by the Continuing Education Office of the University of Connecticut Health Center, Farmington, CT, USA. Part of the Diabetes Update Continuing Education Series for healthcare providers.
- Owens, B., Fortson, B., Vowles, K. E., Weidman, C., & McCartney, E. (2002, September). *Applying and interviewing for graduate school in psychology*. Round table discussion sponsored by the Department of Psychology, West Virginia University, Morgantown, WV, USA.
- Torsney, C., McNeil, D. W., & Vowles, K. E. (2002, June). *Mentoring and supervision in academic settings*. Round table discussion sponsored by Office of the Provost, West Virginia University, Morgantown, WV, USA.
- Larkin, K. T., Vowles, K. E., O'Connell, C., Frazer, N., Semenchuk, E., & Zayfert, C. (2002, April). *Nonverbal behaviors during confrontation and essential hypertension: Look me in the eye when you say that!* Paper presented at the 2002 meeting of the Society of Behavioral Medicine, Washington, D.C, USA.
- Black, A., Vowles, K. E., & McNeil, D. W. (2000, October). *Identifying treatment goals in clinical cases*. Presentation sponsored by the Quin Curtis Center for Psychological Service, Training, and Research. Morgantown, WV, USA.

Poster Presentations

- Pielech M., Bailey R. W., McEntee M. L., Ashworth J., Levell J., Sowden G., & Vowles K. E. (accepted). *Measuring engagement in valued activities: The Values Tracker and The Chronic Pain Values Inventory*. Poster accepted for presentation at the American Psychological Association Annual Convention; 2016 August 4-7; Denver, CO.

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- Bailey R.W., Vowles, K.E., Witkiewitz, K., Pielech, M. Ashworth, J., Sowden, G. (2016, May). *Examining committed action in chronic pain: Further validation and clinical utility of the Committed Action Questionnaire*. Poster presented at the 2016 American Pain Society. Austin, TX, USA.
- Pielech, M., Rivers, W. E., Bailey, R. W., & Vowles, K.E. (2016, May). *Pediatric opioid prescription rates for non-cancer pain: 2005-2014*. Poster presented at the 2016 American Pain Society. Austin, TX, USA.
- Bailey R.W., Pielech, M., McEntee, M.L, Ashworth, J., Levell, J., Sowden, G., Vowles, K.E. (2016, March). *Predicting Patient Functioning in Chronic Pain with the Values Tracker: A Two-Item Measure of Engagement in Valued Activities*. Poster presented at the 2016 Society of Behavioral Medicine Annual Meeting. Washington, DC, USA.
- Paulus, D. J., Bakhshaie, J., Garza, M., Ochoa-Perez, M., Mayorga, N. A., Bogiaizian, D., Robles, Z., Lu, Q., Ditre, J., Vowles, K. E., Schmidt, N. B., & Zvolensky, M. J. (2016, April). *Pain severity and emotion dysregulation among Latinos in primary care: Relations to mental health*. Poster presented at the 6th annual Gulf Coast Consortium for Translational Pain Research. Houston, TX, USA.
- Bailey, R. W., Vowles, K. E., Sowden, G., & Ashworth, J. (2015, April). *An investigation of committed action in chronic pain and its relation to patient functioning*. Poster presented at the annual meeting of the Society for Behavioral Medicine. San Antonio, TX, USA.
- Cook, A. J., Meyer, E. C., Evans, L., Vowles, K. E., Klocek, J. W., Kimbrel, N. A., Gulliver, S. B., & Morissette, S. B. (2015, April). *Chronic pain acceptance incrementally predicts disability in polytrauma exposed veterans*. Poster presented at the annual meeting of the Society for Behavioral Medicine. San Antonio, TX, USA.
- McEntee, M. L., Vowles, K. E., & McCracken, L. M. (2014, May). *Factor structure and a new short form of the Sickness Impact Profile in chronic pain*. Poster presented at the annual meeting of the American Pain Society. Tampa, FL, USA.
- Rivers W. E., Vowles K. E., Mead, B., Gosselin, K. (2014, May). *Development of computerized clinical outcomes database*. Poster presented at the annual meeting of the American Pain Society. Tampa, FL, USA.
- Steffen, L. E., McLouth, C. J., McCracken, L. M., & Vowles, K. E. (2014, May). *Acceptance and pain-related fear in chronic pain: Opposite sides of the same coin?* Poster presented at the annual meeting of the American Pain Society. Tampa, FL, USA.
- Vowles, K. E., Fink, B. C., & Cohen, L. L. (2014, May). *Acceptance and Commitment Therapy for chronic pain: A diary study of treatment process in relation to reliable change in disability*. Poster presented at the annual meeting of the American Pain Society. Tampa, FL, USA.
- Bailey, R. W., Vowles, K. E., & Chen, C. (2014, April). *Predicting stress in caregivers of older*

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- adults with dementia*. Poster presented at the annual meeting of the Society of Behavioral Medicine. Philadelphia, PA, USA.
- McEntee, M. L., Vowles, K. E., & McCracken, L. M. (2014, April). *Acceptance of chronic pain: An examination of the utility of patient subgroups over the course of treatment*. Poster presented at the annual meeting of the Society of Behavioral Medicine. Philadelphia, PA, USA.
- Bailey, R. W., Vowles, K. E., & Chen, C. (2013, October). *Caregiver perception of symptom controllability in those with dementia*. Poster presented at the annual meeting of the North American Society for Psychotherapy Research. Memphis, TN, USA.
- Frohe, T., Strong, L., McEntee, M. L., van der Goes, D., Ney, J., & Vowles, K. E. (2013, May). *Systematic review of opioid dependence in chronic pain*. Poster presented at the annual meeting of the American Pain Society. New Orleans, LA, USA. [also listed as published abstract].
- McEntee, M. L., Vowles, K. E., & McCracken, L. M. (2013, May). *Reliability and predictive utility of a dual component model of acceptance in chronic pain*. Poster presented at the annual meeting of the American Pain Society. New Orleans, LA, USA. [also listed as published abstract].
- Vowles, K. E., Sowden, G., & Ashworth, J. (2013, May). *A comprehensive examination of the theoretical framework underlying Acceptance and Commitment Therapy for chronic pain*. Poster presented at the annual meeting of the American Pain Society. New Orleans, LA, USA. [also listed as published abstract].
- Sowden, G., Vowles, K. E., Beachill, D., Stanyer, J., & Packham, J. *Preliminary outcomes from an abbreviated interdisciplinary programme of Acceptance and Commitment Therapy for patients with chronic pain*. (2011, September). Poster presented at the 7th Congress of the European Chapters of the International Association for Pain Chapters, Hamburg, Germany. [also listed as published abstract].
- Ashworth, J., Vowles, K. E., Beachill, D., Sowden, G., Stanyer, N., & Packham, J. (2011, May). *Clinical outcomes and healthcare utilisation following a community based interdisciplinary group rehabilitation programme for patients with chronic pain*. Poster presented at the 2011 European League Against Rheumatism Conference, London, UK.
- Vowles, K. E., Ashworth, J., Beachill, D., Graham, C., Packham, J., Sowden, G., & Stanyer, N. (2011, May). *Preliminary outcomes of an abbreviated interdisciplinary programme of Acceptance and Commitment Therapy for chronic pain*. Poster presented at the 2011 meeting of the American Pain Society, Austin, TX, USA. [also listed as published abstract].
- Vowles, K. E., Stanyer, N., Sowden, G., Packham, J., Beachill, D., & Ashworth, J. (2011, May). *Operationalizing effective functioning within a context of continuing pain in a community-based setting*. Poster presented at the 2011 meeting of the American Pain Society,

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- Austin, TX, USA. [also listed as published abstract].
- Vowles, K. E., Cohen, L. L., McCracken, L. M., & Eccleston, C. (2010, May). *Disentangling the complex relations among caregiver and adolescent responses to adolescent chronic pain: A cross-sectional, multivariate analysis using structural equation modelling*. Poster presented at the 2010 meeting of the American Pain Society, Baltimore, Maryland, USA. [also listed as published abstract].
- Vowles, K. E., McCracken, L. M., & Zhao-O'Brien, J. (2010, April). *Acceptance and values-based action in chronic pain: An analysis of treatment outcomes and processes three years after treatment completion*. Poster presented at the 2010 meeting of the American Pain Society, Baltimore, Maryland, USA (poster selected for oral presentation). [also listed as published abstract].
- Vowles, K. E., McCracken, L. M., & Zhao-O'Brien, J. (2010, April). *Acceptance and values-based action in chronic pain: An analysis of treatment outcomes and processes three years after treatment completion*. Poster presented at the 2010 meeting of the British Pain Society, Manchester, UK.
- Vowles, K. E., Ashworth, J., Beachill, D., Graham, C., Packham, J., Sowden, G., & Stanyer, N. (2010, April). *An examination of acceptance and values at the interface of primary and secondary care in adults with chronic pain*. Poster presented at the 2010 meeting of the British Pain Society, Manchester, UK. [abstract shortlisted one of the top five submissions and also invited for oral presentation]
- Cohen, L. L., Vowles, K. E., & Eccleston, C. (2009, September). *The impact of adolescent pain on functioning: Disentangling the complex role of anxiety*. Poster presented at the 6th Congress of the European Chapters of the International Association for Pain Chapters, Lisbon, Portugal. [also listed as published abstract].
- Rosser, B., Vowles, K., Keogh, E., Eccleston, C., & Mountain, G. (2009, September). *A systematic review of technology-assisted behaviour change for the management of chronic health conditions including pain*. Poster presented at the 6th Congress of the European Chapters of the International Association for Pain Chapters, Lisbon, Portugal. [also listed as published abstract].
- Vowles, K. E., Rosser, B., Januszewicz, P., Morlion, B., Evers, S., & Eccleston, C. (2009, September). *Pain and analgesic use in seven European countries and Russia*. Poster presented at the 6th Congress of the European Chapters of the International Association for Pain Chapters, Lisbon, Portugal. [also listed as published abstract]. *Poster nominated for Best Poster Presentation.
- Vowles, K. E., & McCracken, L. M. (2009, September). *Contributions of psychological flexibility and traditional pain management strategies on treatment outcomes*. Poster presented at the 6th Congress of the European Chapters of the International Association for Pain Chapters, Lisbon, Portugal. [also listed as published abstract].

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- Cohen, L. L., Vowles, K. E., & Eccleston, C. (2009, May). *A taxonomy of adolescents with chronic pain: Predicting parents' distress*. Poster presented at the 2009 meeting of the American Pain Society, San Diego, CA, USA. [also listed as published abstract].
- McCracken, L. M., Vowles, K. E., McLeod, C., & Eccleston, C. (2009, May). *A subgroup analysis in chronic pain: Further evidence for a dual component model of acceptance of pain*. Poster presented at the 2009 meeting of the American Pain Society, San Diego, CA, USA. [also listed as published abstract].
- Vowles, K. E., Jordan, A., Eccleston, C., & McCracken, L. M. (2009, May). *Toward a taxonomy of adolescents with chronic pain: Cluster and discriminant analysis of the Bath Adolescent Pain Questionnaire*. Poster presented at the 2009 meeting of the American Pain Society, San Diego, CA, USA. [also listed as published abstract].
- Vowles, K. E., McCracken, L. M., McLeod, C., & Eccleston, C. (2009, May). *Exploratory and confirmatory factor analysis of the Chronic Pain Acceptance Questionnaire*. Poster presented at the 2009 meeting of the American Pain Society, San Diego, CA, USA. [also listed as published abstract].
- Rosser, B., Vowles, K. E., Keogh, E., Eccleston, C., Mountain, G.A. (2009, April). *A systematic review of technology-assisted behaviour change for the management of chronic health conditions including pain*. Poster presented at the 2009 meeting of the British Pain Society, London, UK.
- Clarke, J., Eccleston, C., & Vowles, K. E. (2008, May). *Identifying the psychosocial influences on walking quality in chronic pain sufferers*. Poster presented at the 2008 meeting of the American Pain Society, Tampa, FL, USA. [also listed as published abstract].
- McCracken, L. M., Keogh, E., & Vowles, K. E. (2008, May). *Anxiety sensitivity, experiential avoidance, and chronic pain*. Poster presented at the 2008 meeting of the American Pain Society, Tampa, FL, USA. [also listed as published abstract].
- McCracken, L. M., Thompson, M., & Vowles, K. E. (2008, May). *Cognitive behavioral components of mindfulness in patients with chronic pain*. Poster presented at the 2008 meeting of the American Pain Society, Tampa, FL, USA. [also listed as published abstract].
- Vowles, K. E., & McCracken, L. M. (2008, May). *A prospective analysis of acceptance of pain and values-based action in chronic pain sufferers*. Poster presented at the 2008 meeting of the American Pain Society, Tampa, FL, USA. [also listed as published abstract].
- Vowles, K. E., & McCracken, L. M. (2008, May). *Contributions of psychological flexibility and traditional pain management strategies on outcomes following interdisciplinary treatment for chronic pain*. Poster presented at the 2008 meeting of the American Pain Society, Tampa, FL, USA. [also listed as published abstract].
- Clarke, J., Eccleston, C., & Vowles, K. E. (2008, April). *Psychological predictors of walking*

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- quality in chronic pain*. Poster presented at the 2008 meeting of the British Pain Society, Liverpool, UK.
- Connell, H., Vowles, K. E., & Williams, S. (2008, April). *Pain management programme for young adults*. Poster presented at the 2008 meeting of the British Pain Society, Liverpool, UK.
- Vowles, K. E., & McCracken, L. M. (2008, April). *Targeting acceptance and values in the treatment of chronic pain: A study of statistical and clinical effectiveness*. Poster presented at the 2008 meeting of the British Pain Society, Liverpool, UK.
- McCracken, L. M., Gauntlett-Gilbert, J., & Vowles, K. E. (2007, May). *The role of mindfulness in a contextual cognitive-behavioral analysis of chronic pain-related suffering and disability*. Poster presented at the 2007 meeting of the American Pain Society. Washington, DC, USA. [also listed as published abstract].
- Vowles, K. E., McCracken, L. M., & Eccleston, C. (2007, May). *Patient functioning and catastrophizing in chronic pain: The mediating effects of acceptance*. Poster presented at the 2007 meeting of the American Pain Society. Washington, DC, USA. [also listed as published abstract].
- Vowles, K. E., MacLaren, J., & Gross, R. T. (2006, March). *Continued depressive symptoms as a risk of decreased treatment effect following interdisciplinary treatment*. Poster presented at the 2006 meeting of the American Pain Society, San Antonio, TX, USA. [also listed as published abstract].
- Vowles, K. E., McCracken, L. M., & Eccleston, C. (2006, March). *Processes of behavior change in interdisciplinary treatment of chronic pain: Contributions of pain intensity, catastrophizing, and acceptance*. Poster presented at the 2006 meeting of the American Pain Society, San Antonio, TX, USA. [also listed as published abstract].
- Vowles, K. E., Sorrell, J. T., & Lobach-Wetherell, J. (2006, March). *Acceptance-based group treatment for chronic pain: Findings of two pilot investigations*. Poster presented at the 2006 meeting of the American Pain Society, San Antonio, TX, USA. [also listed as published abstract].
- Vowles, K. E., Cook, A. J., & Chastain, D. C. (2005, April). *Screening for depression and anxiety in chronic pain patients: Investigating the reliability and utility of a brief measure of psychopathology*. Poster presented at the 2005 meeting of the American Pain Society, Boston, MA, USA. [also listed as published abstract].
- Sorrell, J. T., McNeil, D. W., & Vowles, K. E. (2004, May). *Effects of information type on expected, experienced, and remembered pain among endodontic patients*. Poster presented at the 2004 meeting of the American Pain Society/Canadian Pain Society, Vancouver, British Columbia, Canada. [also listed as published abstract].
- Taylor, B., Vowles, K. E., Gross, R. T., & McDaniel, M. L. (2004, May). *Are you satisfied? An examination of satisfaction and treatment outcome measures in an interdisciplinary*

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- functional restoration program for patients with chronic pain.* Poster presented at the 2004 meeting of the American Pain Society/Canadian Pain Society, Vancouver, British Columbia, Canada. [also listed as published abstract].
- Vowles, K. E., & Sorrell, J. T. (2004, May). *Acceptance of chronic pain: Description of a short-term group intervention.* Poster presented at the 2004 meeting of the American Pain Society/Canadian Pain Society, Vancouver, British Columbia, Canada. [also listed as published abstract].
- Vowles, K. E., & Cooney, J. L. (2004, February). *The influence of baseline depression and alcohol use on smoking cessation outcomes.* Poster presented at the 2004 meeting of the Society for Research on Nicotine and Tobacco, Scottsdale, AZ, USA.
- Sorrell, J. T., McNeil, D. W., & Vowles, K. E. (2003, November). *Pain predictions versus actual experiences among monitors and blunters during root canal treatment.* Poster presented at the 2003 meeting of the Association for the Advancement of Behavior Therapy, Boston, MA, USA.
- Vowles, K. E., McNeil, D. W., Sorrell, J. T., & Gross, R. T., McDaniel, M. L., & Mouse, A. (2003, November). *Pain-related acceptance and functional ability in individuals with chronic pain.* Poster presented at the 2003 meeting of the Association for the Advancement of Behavior Therapy, Boston, MA, USA.
- Vowles, K. E., Gross, R. T., Koven, L., & Sperry, J. A. (2003, March). *Measures of psychosocial distress in chronic pain: Are we assessing one factor or many?* Poster presented at the 2003 meeting of the American Pain Society, Chicago, IL, USA. [also listed as published abstract].
- Vowles, K. E., McNeil, D. W., Sorrell, J. T., McKee, D. R., Zvolensky, M. J., Graves, R. W., Weaver, B. R., Riel, J., & Lawrence, S. M. (2003, March). *Dental fear and fear of pain: Evaluating the validity of subtypes among oral surgery outpatients.* Poster presented at the 2003 meeting of the American Pain Society, Chicago, IL, USA. [also listed as published abstract].
- Vowles, K. E., Zvolensky, M. J., Gross, R. T., Sperry, J. A., & Boggess, J. (2003, March). *Dimensions of pain-related anxiety.* Poster presented at the 2003 meeting of the American Pain Society, Chicago, IL, USA. [also listed as published abstract].
- McNeil, D. W., Vowles, K. E., Crout, R. J., Sorrell, J. T., Razmus, T. F., Lewis, M. W., Lawrence, S. M., Rice, E., Patthoff, E., & Chrystan, J. A. (2003, March). *Dental fear and fear of pain: Differentiating clusters of dental patients.* Poster presented at the 2003 meeting of the American Association for Dental Research, San Antonio, TX, USA.
- Sorrell, J. T., McNeil, D. W., Vowles, K. E., Lawrence, S. M., Chrystan, J. A., & Gochenour, L. (2003, March). *Evidence-based assessment and patient education using informational videotapes.* Poster presented at the 2003 meeting of the American Association for Dental Research, San Antonio, TX, USA.

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- Sorrell, J. T., Vowles, K. E., McNeil, D. W., Broadman, L. M., Hursey, K. G., Huber, S. J., & Vaglienti, R. M. (2002, November). *Fear of pain and the prediction of pain tolerance among chronic pain patients*. Poster presented at the 2002 meeting of the Association for the Advancement of Behavior Therapy, Reno, NV, USA.
- Vowles, K. E., McNeil, D. W., Sorrell, J. T., Lawrence, S. M., & Rice, E. (2002, November). *Determinants of responding in painful and fearful situations: An experimental investigation*. Poster presented at the 2002 meeting of the Association for the Advancement of Behavior Therapy, Reno, NV, USA.
- Sorrell, J. T., Vowles, K. E., Gross, R. T., & McDaniel, M. (2002, April). *Physical and psychosocial predictors of post treatment work status in individuals with chronic pain*. Poster presented at the 2002 meeting of the Society of Behavioral Medicine; Washington, D.C, USA.
- Sorrell, J. T., Vowles, K. E., Lawrence, S. M., & McNeil, D. W. (2002, April). *Fear of pain in dentistry: Current status and implications for treatment adherence*. Poster presented at the 2002 meeting of the Society of Behavioral Medicine, Washington D.C., USA.
- Vowles, K. E., O'Connell, C. E., Larkin, K. T., & Zayfert, C. (2002, April). *Correlates of adherence in anger management training with essential hypertensives: Is treatment adherence related to behavioral and blood pressure changes?* Poster presented at the 2002 meeting of the Society of Behavioral Medicine, Washington, D.C., USA [also listed as published abstract].
- Vowles, K. E., Sorrell, J. T., McNeil, D. W., Lawrence, S. M., & Rice, E. (2002, April). *Is fear painful? An experimental investigation into the relation between fear and pain*. Poster presented at the 2002 meeting of the Society of Behavioral Medicine, Washington, D.C., USA [also listed as published abstract].
- Vowles, K. E., & Gross, R. T. (2002, March). *Work-related beliefs about injury: Mediators of functional capacity in individuals with chronic pain?* Poster presented at the 2002 meeting of the American Pain Society, Baltimore, MD, USA. [also listed as published abstract].
- Feldner, M. T., Zvolensky, M. J., Eifert, G. H., Spira, A. P., & Vowles, K. E. (2001, November). *An experimental investigation of experiential avoidance of a carbon dioxide-enriched air biological challenge*. Poster presented at the meeting of the Association for the Advancement of Behavior Therapy, Philadelphia, PA, USA.
- Kennedy, S. G., McNeil, D. W., Hursey, K. G., Vowles, K. E., Sorrell, J. T., Lawrence, S. M., Patthoff, E. B., Whipkey, D. T., Broadman, L. M., Vaglienti, R. M., & Huber, S. J. (2001, November). *Development of a short form of the fear of pain questionnaire*. Poster presented at the meeting of the Association for the Advancement of Behavior Therapy, Philadelphia, PA, USA.

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- McNeil, D. W., Cohen, L. L., Crout, R. J., Berk, N. W., Weyant, R. J., Lawrence, S. M., Davis, B. A., Patthoff, E. B., Vowles, K. E., Sorrell, J. T., & Tarter, R. E. (2001, November). *Dental fear differences in Appalachian children and their parents*. Poster presented at the meeting of the Association for the Advancement of Behavior Therapy, Philadelphia, PA, USA.
- Sorrell, J. T., Vowles, K. E., McNeil, D. W., & Lawrence, S. M. (2001, October). *The role of predictability and controllability in pain and fear reduction during dental procedures*. Poster presented at the West Virginia Psychological Association Fall Conference, Morgantown, WV, USA.
- Sorrell, J. T., McNeil, D. W., Vowles, K. E., Broadman, L. M., Hursey, K. G., Huber, S. J., Vaglianti, R. M., & Kennedy, S. G. (2001, March). *Effects of pain and fear stimulus intensity on pain responding in chronic pain patients*. Poster presented at the meeting of the Society of Behavioral Medicine, Seattle, WA, USA.
- Vowles, K. E., McNeil, D. W., Sorrell, J. T., McKee, D. R., Zvolensky, M. J., Graves, R. W., Weaver, B. R., Riel, J., & Lawrence, S. M. (2001, March). *Relation among fear, anxiety, and appointment adherence in oral surgery patients*. Poster presented at the meeting of the Society of Behavioral Medicine, Seattle, WA, USA. [Poster also presented at the West Virginia Psychological Association Fall Conference, Morgantown, WV.]
- Sorrell, J. T., McNeil, D. W., Vowles, K. E., Broadman, L. M., Hursey, K. G., Huber, S. J., Vaglianti, R. M., & Kennedy, S. G. (2000, November). *Avoidance and escape behavior in laboratory-based pain induction in chronic pain patients*. Poster presented at the meeting of the Association for the Advancement of Behavior Therapy, New Orleans, LA, USA. [Poster also presented at the February 2001 American Association for Dental Research poster session, Morgantown, WV.]
- McNeil, D. W., Frere, C. L., Crout, R. J., Yorty, J. S., Sorrell, J. T., & Vowles, K. E. (2000, April). *Audiovisual distraction effects on physiological responding during dental prophylaxis*. Poster presented at the International Association of Dental Research, Washington, DC, USA. [Poster also presented at the February 2000 American Association for Dental Research poster session, Morgantown, WV, USA.]
- Sorrell, J. T., McNeil, D. W., Vowles, K. E., Broadman, L. M., Hursey, K. G., Huber, S. J., Vaglianti, R. M., & Kennedy, S. G. (2000, March). *Effects of fear and pressure stimulation intensity on pain responding in chronic pain patients*. Poster presented at the West Virginia Psychological Association Spring Event & Poster Session, Davis, WV, USA. Received first place poster award.
- McNeil, D. W., Sorrell, J. T., & Vowles, K. E. (1999, September). *Interdisciplinary study of anxiety, stress, and pain*. Poster presented at the Research Horizons in the 21st Century Workshop of the Eberly College of Arts and Sciences, West Virginia University, Morgantown, WV, USA.

Research Grants*Active*

- 2014-2017 National Center for Complementary and Integrative Health, R34AT008398, Pilot study of integrated treatment for Veterans with chronic pain & opiate misuse, \$654,270, K. E. Vowles (PI).
- 2014-2016 National Center for Complementary and Integrative Health, R21AT007939, Preliminary test of an integrative intervention to alleviate chronic pain and improve quality of life in couples, \$404,951, A. Cano (PI), Role: Consultant.
- 2015-2017 Pfizer Independent Grants for Learning and Change, PainTracker Self-Manager: A web-based platform to promote chronic pain self-management and track treatment outcomes, \$696, 977, M. D. Sullivan (PI), Role: Consultant.

Pending

- Aug 2016 National Institute on Drug Abuse, Comprehensive pain rehabilitation for chronic pain patients treated with opioids, R01, K. E. Vowles (PI).

Completed

- 2013-2014 Center for Health Policy, Robert Wood Johnson Foundation, Opioid dependence in chronic pain: Prevalence and impact on quality of life, \$18,956. K. E. Vowles (PI).
- 2013-2014 Grice Foundation, Department of Psychology, University of New Mexico Assessing the treatment needs in caregivers of adolescents with chronic pain, \$3,000. K. E. Vowles (PI).
- 2007-2011 Engineering and Physical Sciences Research Council (UK), Smart Rehabilitation: Personalised Therapy System for the self-management of chronic conditions, £2,910,000, G. Mountain (PI), Role: Senior Research Fellow.
- 2008 Reckitt Benkiser Pharmaceuticals, Everyday pain and analgesic use: An epidemiological survey in eight European countries, £20,000; C. Eccleston (PI), Role: Co-Investigator.
- 2007-2009 Bath Institute for Rheumatic Diseases, Long-term outcomes following interdisciplinary rehabilitation for chronic pain: A comparison of patients who completed treatment with patients accepted for treatment who did not attend, £5,000, K. E. Vowles (PI)

Not Funded

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- 2016 National Center for Advancing Translational Sciences, Rural health research support network – the Pain and Adverse Childhood Events (PACE) Trial, U01, R. L. Rhyne (PI), Role: Co-Investigator.
- 2013 Migraine Research Foundation, Acceptance and Commitment Therapy (ACT) for women with migraine headaches and histories of childhood maltreatment, D. A. Graeber (PI), Role: Co-Investigator
- 2013 National Institute of General Medical Science. Treatment for chronic pain and opiate misuse: Mechanisms of brain-behavior change.

Clinical Service Funding

- 2009- NHS North Staffordshire, Service Psychology Lead, Secured funding of £250,000 yearly to establish an interdisciplinary chronic pain rehabilitation service. Funding initially secured for 2009-2012 period; funding was secured indefinitely in 2011 and increased to £330,000 yearly.

Teaching Experiences

University of New Mexico, Department of Psychology (2012-present)

Seminar on Depression and Anxiety (Undergraduate)

Health Psychology (Undergraduate)

Applied Behavior Analysis (Graduate)

Advanced Health Psychology (Graduate)

Health Psychology Interventions (Graduate)

Other experiences

Instructor

Seminar: Psychological Treatment of Physical Health Conditions (Graduate)
Keele/Staffordshire University Clinical Psychology Doctorate Programme
Spring 2011-Spring 2012

Guest Lecturer

Behaviour Analysis in Clinical Psychology (Undergraduate/Graduate)
Keele University, Department of Psychology
Autumn, 2010-Autumn 2011

Teaching Assistant

Adult Behavior Therapy (Graduate) Course
West Virginia University
Autumn 2003

Teaching Assistant
Behavioral and Psychological Assessment II, (Graduate)
West Virginia University
Spring 2002

Instructor
Health Psychology (Undergraduate)
West Virginia University
Autumn 2001

Instructor
Introduction to Psychology (Undergraduate)
West Virginia University
Autumn 2000 & Spring 2001

Teaching Assistant
Introduction to Clinical Psychology (Graduate)
West Virginia University
Autumn 2000

M.A., Ph.D. and D.Clin.Psy. Committees

Master's Theses

United States of America (University of New Mexico)

Chair

Mindy McEntee (2014)

Robert Bailey (2015)

Committee Member

Eric Kruger (in progress; Chair: Jacob Vigil)

Graham Ford (2015; Chair: Bruce Smith)

Corey Roos (2015; Chair: Katie Witkiewitz)

Elizabeth Stein (2014; Chair: Bruce Smith)

Daniel Barto (2014; Chair: Derek Hamilton)

Elizabeth McCallion (2013; Chair: Bruce Smith)

Republic of Ireland

Aileen Leech (2015, External Examiner, Maynooth University; Chair: Dermot Barnes-Holmes)

United Kingdom

Katherine Hadlandsmyth (2008, Internal Advisor, University of Bath; Chair: Christopher Eccleston)

Comprehensive Doctoral Examinations (all at the University of New Mexico)

Chair

Robert Bailey (in progress)
Melissa Pielech (in progress)
Mindy McEntee (2016)

Committee Member

Corey Roos (2016; Chair: Katie Witkiewitz)
Elizabeth Stein (2015; Chair: Bruce Smith)
Elizabeth McCallion (2015; Chair: Katie Witkiewitz)
Laurie Steffen (2014; Chair: Bruce Smith)

Doctoral Dissertations

United States of America (University of New Mexico)

Chair

Laurie Steffen (2016; passed with distinction)

Committee Member

Daniel Fischer (2015; Chair: Teresa Moyers)
Corey Roos (in progress; Chair: Katie Witkiewitz)
Elizabeth McLaughlin (in progress; Chair: Jane Ellen Smith)
Elizabeth McCallion (in progress; Chair: Katie Witkiewitz)

Australia

Abby Tabor (2015, External Examiner, University of South Australia; Chair: Lorimer Mosley)

United Kingdom

Gemma Mansell (in progress, Internal Advisor; Keele University; Chair: Danielle van der Windt)

Nuno Ferreira (2011, External Examiner, University of Edinburgh; Chair: David Gillanders)

Natalie Southall (2011; Internal Advisor, Staffordshire University; non-chaired)

Grania Fenton (2010, External Examiner, University of Leeds; Chair: Stephen

Morley)

Past Hospital Appointments & Clinical Experiences

Consultant Clinical Psychologist, The Haywood Hospital, Interdisciplinary Musculoskeletal Pain Assessment and Community Treatment Service, Stoke-on-Trent, United Kingdom (2009-2012; Honorary/Adjunct status from 2012-present).

Clinical Psychologist, Royal National Hospital for Rheumatic Diseases, Centre for Pain Services and Chronic Fatigue Service. Bath, United Kingdom (2005-2008; Honorary/Adjunct status from 2008-2012).

Post-doctoral Fellow, University of Virginia Health System, Department of Anesthesiology, Division of Pain Management, Charlottesville, VA (2004-2005). Supervisors: Dania C. Chastain, Ph.D.; Andrew C. Cook, Ph.D.

Pre-doctoral psychology Intern, Greater Hartford Clinical Psychology Consortium (APA Accredited), VA Connecticut Healthcare System, Newington, CT; University of Connecticut Health Center, Farmington, CT; New Britain General Hospital, New Britain, CT (2003-2004). Supervisors: Larry Gaupp, Ph.D., ABPP; Mark Litt, Ph.D., Steven Moore, Ph.D.

Therapist, University of Connecticut Health Center, Department of Psychiatry, Farmington, CT (2003-2004). NIH grant-funded study concerning the treatment of Temporomandibular Joint Disorder. Supervisor: Mark Litt, Ph.D.

Practicum Student, Chestnut Ridge Hospital, Robert C. Byrd Health Sciences Center, West Virginia University Health Sciences Center, Morgantown, WV (2002-2003). Outpatient mental health clinic. Supervisor: Amy Combs-Lane, Ph.D.

Graduate Student Therapist, Anxiety and Pain Clinical Team, Quin Curtis Center for Psychological Service, Training, and Research, Department of Psychology, West Virginia University; Morgantown, WV (2002-2003). Supervisor: Daniel W. McNeil, Ph.D.

Practicum Student, Oasis Occupational Rehabilitation and Pain Management, Morgantown, WV (2001-2002). Interdisciplinary functional restoration program for individuals with chronic pain. Supervisors: Richard T. Gross, Ph.D., Jeannie A. Sperry, Ph.D.

Group Facilitator, Diabetes Education Group, Department of Family Medicine, Robert C. Byrd Health Sciences Center, West Virginia University, Morgantown, WV (2000-2001). Supervisors: Scott S. Meit, Psy.D., ABPP, Jeannie A. Sperry, Ph.D.

Graduate Student Therapist, Behavioral Medicine Clinical Team, Quin Curtis Center for Psychological Service, Training, and Research, Department of Psychology, West Virginia University, Morgantown, WV (2000-2001). Supervisor: Jeannie A. Sperry, Ph.D.

Graduate Student Therapist, Department of Family Medicine, Robert C. Byrd Health Sciences

Center, West Virginia University, Morgantown, WV (2000). Supervisor: Scott S. Meit, Psy.D., ABPP.

Graduate Student Therapist, Anxiety and Pain Clinical Team, Quin Curtis Center for Psychological Service, Training, and Research, Department of Psychology, West Virginia University Morgantown, WV (1999-2001). Supervisor: Daniel W. McNeil, Ph.D.

Mental Health Worker, Behavioral Health Inpatient Unit, Boulder Community Hospital, Boulder, CO (1998-1999).

Biofeedback Technician / Relaxation Instructor, Department of Anesthesiology and Pain Management, University of Colorado Health Sciences Center, Denver, CO (1998 – 1999).

Mental Health Worker, Chinook Clubhouse, Mental Health Center of Boulder County, Boulder, CO (1997-1999).

Volunteer, Mental Health Center of Boulder County, Boulder, CO (1997-1999).

Past Academic Appointments and Research Experiences

Senior Research Fellow, Arthritis Research Campaign National Primary Care Centre, Primary Care Sciences, Keele University (July 2009 – July 2012).

Senior Research Fellow, Centre for Pain Research, School for Health, University of Bath, Bath, United Kingdom (2008-2009; Honorary/Adjunct status 2009-present).

Honorary Lecturer, Centre for Pain Research, School for Health, University of Bath, Bath, United Kingdom (2005-2008).

Research Associate, University of Virginia, Department of Anesthesiology, Division of Pain Management, Charlottesville, VA (2004-2005). Supervisors: Andrew C. Cook, Ph.D. & Dania C. Chastain, Ph.D.

Visiting Fellow, Royal National Hospital for Rheumatic Diseases and University of Bath, Bath, United Kingdom (May – June 2003). Supervisors: Lance M. McCracken, Ph.D. & Christopher Eccleston, Ph.D.

Research Associate, Chestnut Ridge Hospital, Robert C. Byrd Health Sciences Center, Morgantown, WV (2002-2003). Supervisor: Amy Combs-Lane, Ph.D.

Research Associate, Oasis Occupational Rehabilitation and Pain Management, Morgantown, WV (2001-2004). Supervisors: Richard T. Gross, Ph.D. & Jeannie A. Sperry, Ph.D.

Research Associate, Department of Family Medicine, Robert C. Byrd Health Sciences Center, West Virginia University, Morgantown, WV (2000-2003). Supervisors: Scott Meit, Ph.D., ABPP & Van Yasek, Ph.D.

Research Associate, Behavioral Medicine Laboratory, Department of Psychology, West Virginia University, Morgantown, WV (2000-2002). Supervisor: Kevin T. Larkin, Ph.D.

Research Associate, Anxiety, Psychophysiology, and Pain Research Laboratory, Department of Psychology, West Virginia University, Morgantown, WV. (1999-2005). Supervisor: Daniel W. McNeil, Ph.D.

Research Assistant, Department of Anesthesiology and Pain Management, University of Colorado Health Sciences Center, Denver, CO (1997-1999). Supervisors: Brent Van Dorsten, Ph.D. & J. Kenneth Arnette, Ph.D.

Service

Committees and Panels

Area Head, Health Psychology, Department of Psychology, University of New Mexico (August 2015 - present).

Main Campus Institutional Animal Care and Use Committee, University of New Mexico (July 2015 - present).

Chair, Promotion and Tenure Committee, College of Arts and Sciences, University of New Mexico (2015-2016 Academic year).

Chair, Student-Faculty Communication Committee, Department of Psychology, University of New Mexico (August 2014 – present).

Small Grants Review Committee, American Pain Society (June 2014 – present).

Departmental Institutional Review Board, Department of Psychology, University of New Mexico (August 2012 – present).

Committee on Curriculum and Student Progress, BA/MD Combined Degree Program, College of Arts & Sciences/School of Medicine, University of New Mexico (August 2012 – present).

Scientific Committee, Association for Contextual Behavioral Science (July 2012 – January 2016).

Search Committee, Assistant Professor (Quantitative area), Department of Psychology, University of New Mexico (Autumn 2015).

Search Committee, Staff Psychologist, Department of Pediatrics, Carrie Tingly Inpatient Rehabilitation Unit, University of New Mexico Hospitals (Autumn 2015).

Search Committee, Lecturer II/III, Department of Psychology, University of New Mexico (Spring

2015).

Promotion and Tenure Committee, College of Arts and Sciences, University of New Mexico (2014-2015 Academic year).

Mentor, Early Career Forum, American Pain Society (May 2014).

Applied Behavioral Analysis Reading Group, Department of Psychology, Weekly reading group concerning a shared interest in applied behavior analysis (January 2013 – December 2014).

Committee on Teaching, Department of Psychology, University of New Mexico (August 2013 – July 2014).

Secretary/Treasurer, United Kingdom Special Interest Group, Association for Contextual Behavioral Science (May 2010 – August 2012).

Co-Chair, Psychosocial Research Special Interest Group, American Pain Society (May 2009 – May 2012).

Pain Management Programmes Special Interest Group, Clinical Psychology Representative, British Pain Society (2005 – 2009; 4 year term).

Invited Committee Member, Essence of Care – Benchmarks for Pain Management Workgroup, Department of Health (United Kingdom) (September 2008).

Guidelines for Psychological Interventions for Chronic Pain, British Society of Rheumatology (2007).

Scientific Committee, The Second World Conference on ACT, RFT, and Contextual Behavioural Science, London, UK (2006).

Student Member, Full Faculty Committee, Department of Psychology, West Virginia University, Morgantown, WV (2002-2003 Academic Year).

Student Member, Faculty Evaluation and Tenure Committee, Department of Psychology, West Virginia University, Morgantown, WV (2001-2002 Academic Year).

Student Member, Adult Clinical Training Committee, Department of Psychology, West Virginia University, Morgantown, WV (2000-2001 Academic Year).

Graduate Student Liaison to West Virginia University, Association for the Advancement of Behavior Therapy (2000-2001 Academic Year).

Graduate Assistant to the Director of Clinical Training, Department of Psychology, West Virginia University, Morgantown, WV (1999-2000 Academic Year).

*Reviewing Activities*Editor

Current Opinion in Psychology, Special issue: Third wave behavior therapies; April 2015

Editorial Board Memberships:

European Journal of Pain	2008-
Journal of Contextual Behavioral Science	2012-
Pain Medicine	2009-

Ad Hoc Reviewer:

Acta Anaesthesiologica Scandinavica	2016-
Annals of Behavioral Medicine	2005-
Archives of Physical Medicine and Rehabilitation	2010-
Assessment	2013-
Behaviour Research and Therapy	2005-
Behavior Therapy	2014-
BMC Musculoskeletal Disorders	2009-
British Journal of Health Psychology	2008-
Clinical Journal of Pain	2007-
Clinical Psychology and Psychotherapy	2009-
Clinical Psychology Review	2011-
Clinical Psychology: Science and Practice	2011-
The Cochrane Collaboration - Pain, Palliative and Supportive Care Group	2008-
Cognitive and Behavioral Practice	2010-
Cognitive Therapy and Research	2010-
Drug and Alcohol Abuse	2015-
European Journal of Pain	2005-2007; ed. board 2008-
Health Psychology	2011-
Health & Psychology	2012-
Journal of Behavior Analysis of Health, Sports, Fitness, and Medicine	2006-
Journal of Behavioral Medicine	2009-
Journal of Clinical Psychology	2009-
Journal of Clinical Psychology in Medical Settings	2008-
Journal of Contemporary Psychotherapy	2015-
Journal of Consulting and Clinical Psychology	2012-
Journal of Medical Internet Research	2010-
Journal of Pain	2007-
Journal of Psychosomatic Research	2006-
Mindfulness	2012-
Pain	2006-

Pain Management	2011-
Pain Medicine	2006-2008; ed. board 2009-
Pediatric Pain Letters	2009-
Physical Therapy	2005-

Grant Reviewer:*National Institutes of Health (US):*

NCCIH ZAT1 HS-27, Loan Repayment Program	2016
NIDDK ZDK1 GRB-3, U54 Urology Research Center Applications	2015

Other Institutions:

American Pain Society Small Grants Committee	2014-present
Arthritis Research United Kingdom	2011-2012, 2015-2016
Israel Science Foundation	2015
National Institute for Health Research UK	2009-2010, 2014
Tenovus Cancer Charity	2014
Physiotherapy Research Foundation UK	2013
Multiple Sclerosis Society	2009, 2012
Research Foundation - Flanders (Belgium)	2012
British Academy	2011
Dunhill Medical Trust	2010
Ontario Mental Health Foundation	2010
Health Research Board of Ireland	2009
Marchionne Foundation	2009

Book Proposal Reviewer:

American Psychological Association	2014
Wiley-Blackwell, Social Sciences and Humanity Section	2012; 2014

Media Input/Community Reports

Research reported in *Physician's Weekly: Pain Edition* (2016, January). "Opioid misuse, abuse, and addiction" Volume II, issue 1. (<http://www.physiciansweekly.com/opioid-misuse-abuse-addiction/>)

Research reported in *US News and World Report* (2015, April). "One-quarter of narcotic painkillers misused, study shows". (<http://health.usnews.com/health-news/articles/2015/04/01/one-quarter-of-narcotic-painkillers-misused-study-shows>).

Research reported in *Forbes* (2015, April). "Opioid misuse in chronic pain patients is around 25%, new study shows." (<http://www.forbes.com/sites/cjarlotta/2015/04/01/opioid->

misuse-in-chronic-pain-patients-is-around-25-new-study-shows/).

Research reported in *Science Daily* (2015, March). "Rate of opioid misuse is around 25 percent, addiction rate 10 percent, reports study." (<http://www.sciencedaily.com/releases/2015/03/150330141354.htm>).

Press release from Wolters Kluwer (2015, March). "Rate of opioid misuse is around 25 percent, addiction rate 10 percent, reports study in PAIN."
(<http://www.wolterskluwer.com/Press/Latest-News/Pages/Press%20Releases/2015/pr30Mar2015c.aspx>)

Research reported via press release from the American Psychological Association (2014, February). "Chronic pain relief more likely when psychological science involved."
(<http://www.apa.org/news/press/releases/2014/02/pain-relief-science.aspx>).

Interviewed on *Rheumatology Network* (2014, August). "Breaking bad behavior patterns of chronic pain." <http://www.rheumatologynetwork.com/rheumatologic-pain/breaking-bad-behavior-patterns-chronic-pain>

Interviewed on radio talkshow "ACT: Talking Hurt to Hope" (May 2013) on the subject of parenting a child with chronic pain.
(<http://webtalkradio.net/internet-talk-radio/2013/05/06/act-taking-hurt-to-hope-050613/>)

Featured in member spotlight, American Pain Society (November 2010):
(www.ampainsoc.org/membership/spotlight/vowles.htm)

Consulted on content of the NHS Choices website (2009):
Pain and your emotions (www.nhs.uk/Livewell/Pain/Pages/Emotionaldistress.aspx)
Chronic Pain (www.nhs.uk/Livewell/Pain/Pages/Chronicpain.aspx)

PhD Research covered in *Pain Medicine News* (Feb 2006):
http://painmedicineneeds.com/ViewArticle.aspx?d_id=82&a_id=4329

Professional References

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Centre for Pain Research
School for Health
University of Bath
Bath BA1 1RL
United Kingdom
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Professor
Psychology Department
Institute of Psychiatry
King's College London
London SE1 9RT
+44 (0)207188 5410 (telephone)
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Professor
Arthritis Research UK Primary Care Centre
Primary Care Sciences
Keele University
Staffordshire, ST5 5BG
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