

September 1, 2018

Vita
Jacob Miguel Vigil

Personal

Place of Birth: Albuquerque, NM
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Education

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| Ph.D. | Developmental Psychology University of Missouri-Columbia Advisor: David C. Geary | 2007 |
| M.A. | Psychology University of Missouri-Columbia | 2004 |
| B.S. | Psychology University of New Mexico | 2001 |

Positions

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| 8/2016 to present | Director, Medical Cannabis Research Fund, University of New Mexico |
| 8/2010 to present | Associate Professor, Department of Psychology, University of New Mexico |
| 4/2011 to present | Faculty Affiliate, Southwest Hispanic Research Institute, University of New Mexico |
| 4/2012 to present | Research Affiliate, New Mexico Veterans Affairs Health Care System, Albuquerque, NM |
| 10/2007 to 8/2010 | Faculty Associate, Center for Applied Research in Child and Adolescent Development, University of North Florida |
| 8/2007 to 7/2010 | Assistant Professor, Department of Psychology, University of North Florida |

Funded Grants

Social Contextual Influences on Patient Pain and Medical Staff's Triage Decisions (\$2,450), Grice Foundation Award, University of New Mexico, 11/14/13-11/14/14.

Contextual Factors in Pain Perception in the Emergency Department (\$12,600), Clinical and Translational Science Center, University of New Mexico, 12/01/2012-11/30/2013, with Dr. Alcock.

Implicit Mimicry of Pain Behaviors, Social Inferences, and Decision-Making in Healthy and Overweight Adults (\$2,333), University of New Mexico Research Allocation Committee, 02/10/12-09/30/2013.

Engaging Students in Mental Health Research to Benefit Children and their Community (\$27,091), University of North Florida Foundation Board, 12/15/08-12/15/09, with Dr. Ybarra and Dr. Perez.

Honors

Invited Speaker, New Mexico Statewide Epidemiological and Outcomes Workgroup, 2017; Invited Speaker, National Cannabis Summit, 2017; Invited Speaker, Translating Neurodevelopmental Research into Clinical Application, Pain in Child Health Institute, 2012; Invited Discussant, Determinants of Psychiatric Disorders, Hanse-Wissenschaftskolleg, 2011; Gus T. Ridgel Graduate Fellowship, University of Missouri, 2002-2007; Dissertation Research Award, University of Missouri, 2006; Parent's Association Award, University of Missouri, 2005; Distinguished Master's Thesis Award, University of Missouri, 2005; National Science Foundation Graduate Research Fellowship Program – Honorable Mention, 2004; Master's Thesis Research Award, University of Missouri, 2004; National Institute of Mental Health Career Opportunities in Research Scholarship (NIMH), University of New Mexico, 1999-2001.

Professional Affiliations

Pain in Child Health Research Consortium; International Association for the Study of Pain

Editorial Boards

World Journal of Anesthesiology

Research Interests

Broad: evolutionary medicine, social cognition, health disparities, affective response, evolutionary psychology, sex differences, medical *Cannabis*

Specific: My basic research focuses on the epigenesis (interaction between biology and individual experiences) and plasticity (variation) in the expression of: pain perception, stress response, emotional expression, peer interactions, reproductive development, family relations, community influences, societal ideals, reproductive strategy, cultural differences,

and moral systems. My applied research focuses on health disparities and patient treatment, and effects of medical cannabis consumption on patient health outcomes.

Publications

- Diviant, J. P., Vigil, J. M., Stith, S. S. (2018). The role of cannabis within an emerging perspective on schizophrenia. *Medicines*, 5, 86.
- Stith, S. S., Vigil, J. M., Brockelman, F., Keenan, K., & Hall, B. (2018). Patient-reported symptom relief following medical cannabis consumption. *Frontiers in Pharmacology*, 9, 96.
- Vigil, J. M., Stith, S. S., Diviant, J. P., Brockelman, F., Keenan, K., & Hall, B. (2018). Effectiveness of raw, natural medical *Cannabis* flower for treating insomnia under naturalistic conditions. *Medicines*, 5(3), 75.
- Vigil, J. M., Stith, S. S., Reeve, A. P. (2018). Accuracy of patient opioid use reporting at the time of medical cannabis license renewal. *Pain Research and Management*, 1, 1-4.
- Vigil, J. M., Coulombe, P., Little, A. C., Strenth, C., & Delaney, H. D. (in press). Are shorter people closer to God? The associations between gender, body size, and spiritual beliefs. In M. Knight and B. McCoy (Eds.) *Understanding Social Cognition: Theory, Perspectives and Cultural Differences*. (pp. xx-xx). Hauppauge, New York: Nova Science Publishers Inc.
- Stith, S. S., Vigil, J. M., Adams, I. M., & Reeve, A. P. (2018). Effects of legal access to cannabis on Scheduled II-V drug prescriptions. *Journal of the American Medical Directors Association*, 19, 59-64.e1.
- Vigil, J. M., Stith, S. S., Adams, I. M., & Reeve, A. P. (2017). Associations between medical cannabis and prescription opioid use in chronic pain patients: A preliminary cohort study. *PLoS ONE*. 12(11): e0187795.
- Vigil, J. M., Coulombe, P., Rowell, L. N., Strenth, C. R., Kruger, E. S., Alcock, J., ..., LaMendola, J. (2017). The confounding effects of assessor ethnicity on subjective pain reporting in women. *The Open Anesthesiology Journal*, 11, 1-11.
- Vigil, J. M., Coulombe, P., Alcock, J., Stith, S. S., Kruger, E., & Cichowski, S. (2017). How nurse gender influences patient priority assignments in U.S. emergency departments. *Pain*. 158(3): 377-382.
- Vigil, J. M. (2016). Same-sex relationships. In V. Weeks-Shackelford and T.K. Shackelford (Eds). *Encyclopedia of Evolutionary Psychological Science*. (pp. 1-3). Switzerland: Springer International Publishing.
- Stith, S. S., & Vigil, J. M. V. (2016). Federal barriers to *Cannabis* research. *Science*, 352 (6290), 1182.
- Vigil, J. M., Coulombe, P., Alcock, J., Kruger, E., Stith, S. S., Strenth, C., Parshall, M., &

- Cichowski, S. B. (2016). Patient ethnicity affects triage assessments and prioritization in U.S. Department of Veterans Affairs Emergency Departments. *Medicine*, 95(14):e3191.
- Vigil, J. M., & Stith, S. S. (2016). Ethnic disparities in health care continue to exist in U.S. Veterans Affairs emergency departments. In M. Townsend (Ed.), *Veterans: Political, Social and Health Issues*. Hauppauge, NY: Nova Science.
- Coulombe, P., Vigil, J. M., & Hernandez, E. (2016). Individual differences in health outcomes: Accounting for two sources of variation through cross-classified multilevel models. In E. Roberson (Ed.), *Psychology of Individual Differences: New Research*. (pp. 27-46). Hauppauge, NY: Nova Science.
- Kruger, E., Vigil, J. M., & Stith, S. S. (2016). Task specificity and the impact on both the individual and group during the formation of groups. *Behavioral and Brain Sciences*, 39:e156.
- Vigil, J. M., & Kruger, E. (2016). Multi-level selection, social signaling, and the evolution of human suffering gestures: The example of pain behaviors. *Behavioral and Brain Sciences*, 39, e56.
- Stith, S. S., & Vigil, J. M. (2016). Does ultrasociality really exist? And is it the best predictor of human economic behaviors? *Behavioral and Brain Sciences*, 39, e114.
- Vigil, J. M., Alcock, J., Coulombe, P., & Strenth, C. (2015). Emergency severity index scores differ by health provider's gender and patient's age. *The Open Anesthesiology Journal*, 9, 17-22.
- Kruger, E., & Vigil, J. (2015). Translating the expression of pain in the face of uncertainty: The importance of human pain experiments for applied and clinical science. *World Journal of Anesthesiology*, 4, 13-16.
- Vigil, J. M., Strenth, C. R., Mueller, A. A., DiDomenico, J., Guevara Beltran, D., Coulombe, P., & Smith, J. E. (2015). The curse of curves; Sex differences in the associations between body shape and pain expression. *Human Nature*, 26(2):235-54
- Vigil, J. M., Alcock, J., Coulombe, P., McPherson, L., Parshall, M., Murata, A., & Brislen, H. (2015). Ethnic disparities in emergency severity index scores among U.S. Veteran's Affairs emergency department patients. *PLoS ONE*, 10(5): e0126792.
- Vigil, J. M., DiDomenico, J., Strenth, C., Coulombe, P., Kruger, E., Mueller, A. A., Guevara Beltran, D., & Adams, I. (2015). Experimenter effects on pain reporting in women vary across the menstrual cycle. *International Journal of Endocrinology*, 2015: 520719, 1-8; doi:10.1155/2015/520719.
- Vigil, J. M., Coulombe, P., & Strenth, C. R. (2014). Sex differences in social cognition responses are associated with peer network structures and ethnic backgrounds. In S.R. Nasato (Ed.) *Advances in Social Cognition Research*. (pp. 1-26). Hauppauge, New York: Nova Science Publishers Inc.

- Vigil, J. M., Pendleton, P., Coulombe, P, Vowels, K., Alcock, J., & Smith, B. (2014). Pain patients and who they live with: A correlational study of co-residence patterns and pain interference. *Pain Research & Management*, *19*, e109-114.
- Vigil, J. M., Strenth, C, Trujillo, T., & Gangestad, S. W. (2014). Fluctuating experimental pain sensitivities across the menstrual cycle are contingent on women's current romantic relationship status. *PLoS ONE*. DOI:10.1371/journal.pone.0091993
- Vigil, J. M., Torres, D., Wolff, A., Hughes, K. (2014). Exposure to virtual social stimuli modulates subjective pain reports. *Pain Research & Management*, *19*, e103-e108.
- Vigil, J. M., Rowell, L. N., Alcock, J., & Maestes, R. (2014). Laboratory personnel gender and cold pressor apparatus affect subjective pain reports. *Pain Research & Management*, *19*, e13-e18.
- Vigil J. M., & Strenth C. (2014). No pain, no social gains: A social-signaling perspective of human pain behaviors. *World J Anesthesiol*, *3*(1), 18-30 Available from: URL: <http://www.wjgnet.com/2218-6182/abstract/v3/i1/18.htm>.
- Vigil, J. M., Rowell, L. N., & Lutz, C. (2014). Gender expression, sexual orientation, and pain sensitivity in women. *Pain Research & Management*, *19*, 87-92.
- Vigil, J. M., & Alcock, J. (2014). Tough guys or cry babies? Disentangling the role of examiner gender on patient pain reports. *Pain Research & Management*, *19*, e9-e12.
- Vigil, J. M., & Strenth, C. (2014). Facial expression judgments support a socio-relational model, rather than a negativity bias model of political psychology. *Behavioral and Brain Sciences*, *37*, 331-332.
- Vigil, J. M., Rowell, N., Chouteau, S., Chavez, A., Jaramillo, E., Neal, M., & Waid, D. (2013). Sex differences in how social networks and relationship quality influence experimental pain sensitivity. *PLOS ONE*. DOI: 10.1371/journal.pone.0078663
- Vigil, J. M., Swartz, T. J., & Rowell, L. N. (2013). Subtle variation in ambient room temperature influences the expression of social cognition. *Behavioral and Brain Sciences*, *36*, 502-503.
- Vigil, J. M., Brophy, S., Johnson, T., Pendleton, P., & Rowell, N. L. (2013). Childhood correlates of protracted life dissatisfaction: Not all adversity hurts the same. In A. Esposito and V. Bianchi (Eds.) *The Psychology of Happiness*. (pp. 111-123). Hauppauge, New York: Nova Science Publishers Inc.
- Vigil, J. M., Brophy, S. Garrett, E., McMurry, S. (2013). Protracted biases in facial emotion perception and psychological functioning in self-reported victims of early-life interpersonal trauma. In T. Van Leeuwen and M. Brouwer (Eds.) *Psychology of Trauma* (pp. 111-131). Hauppauge, New York: Nova Science Publishers Inc.
- Vigil, J. M., & Venner, K. L. (2012). Prejudicial behavior is more closely linked to

homophilic peer preferences than it is to trait bigotry. *Behavioral and Brain Sciences*, 35, 38-39.

- Vigil, J. M., Dukes, A., Coulombe, P. (2012). Biopsychosocial correlates of cortisol activity in children exposed to natural disasters. In A. Esposito and V. Bianchi (Eds.) *Cortisol: physiology, regulation and health implications* (pp. 73-90). Hauppauge, New York: Nova Science Publishers Inc.
- Vigil, J. M., Coulombe, P., & Dukes, A. (2012). Neuronal de-activation is equally important for understanding emotional processing. *Behavioral and Brain Sciences*, 35, 169-170.
- Vigil, J. M., & Brophy, S. (2012). Trustworthiness processing and psychobiological responses to natural disaster-induced distress in adolescents. *Journal of Aggression, Maltreatment & Trauma*, 21, 385-402.
- Vigil, J. M., & Coulombe, P. (2012). Intra-regional assortative sociality may be better explained by social network dynamics rather than pathogen risk avoidance. *Behavioral and Brain Sciences*, 35, 96-97.
- Vigil, J. M., Coulombe, P., & Dukes, A. (2011). The epidemiology of sex differences in self-esteem: A test of two explanatory models. In S. De Wals & K. Meszaros (Eds.), *Handbook on psychology of self-esteem* (pp. 101-118). Hauppauge, New York: Nova Science Publishers Inc.
- Vigil, J. M., & Coulombe, P. (2011). Biological sex and audience affects pain intensity and observational coding of other people's pain behaviors. *Pain*, 152, 2125-2130.
- Vigil, J. M. (2011). Current states of opinion and future directions on the epidemiology of sex differences in human pain. *Pain Research and Management*, 16, 317-319.
- Vigil, J. M., & Coulombe, P. (2010). Embodied simulation and the search for meaning are not necessary for facial expression processing. *Behavioral and Brain Sciences*, 33, 461-463.
- Vigil, J. M. (2010). Political leanings vary with facial expression processing and psychosocial functioning. *Group Processes & Intergroup Relations*, 13, 547-558.
- Vigil, J. M., Geary, D. C., Granger, D. A., & Flinn, M. V. (2010). Sex differences in salivary cortisol, alpha-amylase, and psychological functioning following Hurricane Katrina. *Child Development*, 81, 1228-1240.
- Vigil, J. M., Carle, A. C., Geary, D. C., Granger, D. A., Flinn, M. V., & Pendleton, P. (2009). Maternal correlates of children's stress functioning following a major natural disaster. *Journal of Child and Adolescent Trauma*, 2, 287-296.
- Vigil, J. M. (2009). The socio-relational framework of expressive behaviors as an integrative psychological paradigm. *Behavioral and Brain Sciences*, 32, 408-428.
- Vigil, J. M. (2009). A socio-relational framework of sex differences in the expression of emotion. *Behavioral and Brain Sciences*, 32, 375-428.

- Vigil, J. M., & Geary, D. C. (2009). An exploratory analysis of family coping styles and psychobiological distress among adolescents affected by a large-scale disaster. *Journal of Child and Adolescent Trauma*, 2, 81-89.
- Vigil, J. M. (2008). Negative health costs associated with regular use of community-based assistance programs for families exposed to natural disasters. In M. R. Blakely & S. M. Timmons (Eds.), *Lifestyle and health research* (pp. 135-146). Hauppauge, New York: Nova Science Publishers Inc.
- Vigil, J. M. (2008). Sex differences in affect behaviors, desired social responses, and accuracy at understanding the social desires of other people. *Evolutionary Psychology*, 6, 506-522.
- Vigil, J. M. (2008). Facial expression processing varies with political affiliation. *Nature Precedings*, <http://hdl.handle.net/10101/npre.2008.2414.1>
- Vigil, J. M., & Geary, D. C. (2008). A preliminary investigation of family coping styles and psychological well-being among adolescent survivors of Hurricane Katrina. *Journal of Family Psychology*, 22, 176-180.
- Vigil, J. M., & Geary, D. C. (2008). Developmental consequences of childhood sexual abuse. In M. J. Smith (Ed.), *Childhood sexual abuse: Issues and challenges* (pp. 43-66). Hauppauge, New York: Nova Science Publishers Inc.
- Vigil, J. M. (2008). Social processing of discrete emotions in humans. *Nature Precedings*, <http://hdl.handle.net/10101/npre.2008.2725.1>
- Vigil, J. M. (2007). Asymmetries in the social styles and friendship preferences of men and women. *Human Nature*, 18, 143-161.
- Byrd-Craven, J., Geary, D. C., Vigil, J. M., & Hoard, M. K. (2007). One mate or two? Life history traits and reproductive variation in low-income women. *Acta Psychologica Sinica*, 39, 469-480.
- Vigil, J. M., Geary, D. C. & Byrd-Craven, J. (2006). Tradeoffs in low income women's mate-preferences: Within-sex differences in reproductive strategy. *Human Nature*, 17, 319-336.
- Vigil, J. M., & Geary, D. C. (2006). Parenting and community background and variation in women's life history development. *Journal of Family Psychology*, 20, 597-604.
- Vigil, J. M., Geary, D. C., & Byrd-Craven, J. (2005). A life history assessment of early childhood sexual abuse in women. *Developmental Psychology*, 41, 553-561.
- Geary, D. C., Vigil, J., & Byrd-Craven, J. (2004). The evolution of human mate choice. *The Journal of Sex Research*, 41, 27-42.
- Geary, D. C., Byrd-Craven, J., Hoard, M. K., Vigil, J., & Numtee, C. (2003). The evolution and development of boys social behavior. *Developmental Review*, 23, 444-470.

Media, Community, and Society (selected examples)

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Ad Hoc Journal Reviewer

Behavioral and Brain Sciences, Journal of Consulting and Clinical Psychology, Human Reproduction, Psychological Bulletin, Physiology and Behavior, Journal of Affective Disorders, Psychoneuroendocrinology, Journal of Behavioral Medicine, General Hospital Psychiatry, Current Biology, Evolutionary Psychology, Biological Research for Nursing, Child Maltreatment, Group Processes and Intergroup Relations, Personality and Individual Differences, Behavioral Sciences of Terrorism and Political Aggression, Human Nature, Pain Research and Management, Clinical Journal of Pain, Personality and Individual Differences, Journal of Child and Family Studies, Neuropsychiatric Disease and Treatment, Journal of Political Behavior, Pain, Political Psychology, Social Science Research, American J. Political Science, J. Pain, Cognition and Emotion, Evolutionary Psychological Science, Substance Abuse and Rehabilitation, American Journal of Public Health, Mayo Clinic Proceedings

Ad Hoc Grant Reviewer

Indo-US Science & Technology Forum

Legal Activities

2017 Expert witness (criminal case, State of New Mexico)

Courses Taught

Developmental Psychology, Life-Span Developmental Psychology, Evolutionary Psychology, Social Psychology, Human Sexuality, Advanced Social Psychology, Evolutionary Perspectives on Social Psychology and Health, Emotion and Health, Psychology of Health Promotion Behaviors, Psychological Research Techniques

Presentations and Invited Colloquia

Vigil, J. M. (2018, May). Associations between Medical Cannabis and Prescription Opioid use in Chronic Pain Patients. *12th National Clinical Conference on Cannabis Therapeutics*. Jersey City, New Jersey.

Vigil, J. M. (2018, May). Effect of Enrollment in a Medical Cannabis Program on Prescription Medication Use. *Cannabis Learn Conference and Expo.*, Pittsburg, Pennsylvania

Vigil, J. M. (2018, April). Effect of Enrollment in the New Mexico Department of Health Medical Cannabis Program on Prescription Opioid Use in Chronic Pain Patients. *New Mexico Screening, Brief Intervention and Referral to Treatment Quarterly Meeting*. Santa Fe, New Mexico.

Strenth, C. S., Kruger, E., Vigil, J. M., Thompson, M. E., Kunkel, S. J. & Reeves, A. (2017, November). Establishing time course of testosterone using saliva after a sublingual administration of testosterone: A pilot study. Poster presented at the annual *Shared Knowledge Conference*, Albuquerque, NM.

Vigil, J. M. & Stith S. S. (August, 2017). Effect of enrollment in the New Mexico Medical Cannabis Program on prescription opioid use in chronic pain patients. *National Cannabis Summit*. Denver, Colorado.

Vigil, J. M. (April, 2017). Medical Cannabis Program Enrollment and Prescription Opioid Use Among Patients with Chronic Pain, *New Mexico Statewide Epidemiological and Outcomes Workgroup*, Santa Fe, New Mexico.

Strenth, C. R., Vigil, J. M., Kruger, E., Thompson, M. E., & Reeves, A. (May, 2017). Establishing Time Course of Testosterone Using Saliva After a Sublingual Administration: A Pilot Study. A talk presented at the pre-conference of the 29th annual meeting of the *Human Behavior and Evolution Society*, Boise, ID.

Vigil, J. (2014). The social functions of fluctuating pain sensitivity across the menstrual cycle. 26th Annual Human Behavior and Evolution Society Conference. Natal, Brazil.

Vigil, J. (2012). Biopsychosocial Development of Pain in Early Life, 14th Annual Pain in Child Health Institute, Whistler, British Columbia.

- Vigil, J. (2011). Determinants of Psychiatric Disorders, Hanse-Wissenschaftskolleg workshop, Delmenhorst, Germany
- Leedy, A., Liverano, D., Graffam, S., Mcallister, A., Brophy, S., & Vigil, J. (2009). Political orientation varies with facial expression processing and psychosocial functioning. Scholars Transforming Academic Research Symposium, Jacksonville, FL
- Liverano, D., Leedy, A., Graffam, S., Mcallister, A., Brophy, S., & Vigil, J. (2009). Sex differences in social styles and the ability to empathize with desired social responses of other people: A Socio-Relational Evolutionary Explanation. Scholars Transforming Academic Research Symposium, Jacksonville, FL
- McAllister, A., Liverano, D., Leedy, A., & Vigil, J. (2009). Perceptual and Expressive Correlates of Interpersonal Victimization Experiences: Implications for the Processing of Trust in Other People. Scholars Transforming Academic Research Symposium, Jacksonville, FL
- Byrd-Craven, J., Geary, D. C., Hoard, M. K., Numtee, C., & Vigil, J. M. (2003). Evolution and Development of Boys Social Behavior. Human Behavior and Evolution Society Annual Colloquium, Lincoln, NB
- Vigil, J. M. (2000). Attitudes toward twelve-step programs in dually diagnosed. Career Opportunities in Research Education & Training Colloquium, Albuquerque, NM.
- Vigil, J. M. (1999). Self-medication beliefs in the severely mentally ill. Career Opportunities in Research Education & Training Colloquium, Washington, D.C.