

Zina Trost, Ph.D.
Curriculum Vitae
Department of Psychological and Brain Sciences
Texas A&M University
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ACADEMIC APPOINTMENTS

Associate Professor July 2023 – Present

Department of Psychological and Brain Sciences
Texas A&M University, College Station, TX

Associate Professor September 2019 – June 2023

Department of Physical Medicine and Rehabilitation
Virginia Commonwealth University, Richmond, VA

Assistant Professor August 2015 – August 2019

Department of Psychology
Medical/Clinical Psychology
University of Alabama at Birmingham, Birmingham, AL

Assistant Professor August 2012 – July 2015

Department of Psychology
Clinical Health Psychology
University of North Texas, Denton, TX

EDUCATION

Postdoctoral Fellow, 2010-2012

McGill University, Montreal QC

Doctor of Philosophy, 2010

Clinical Psychology,
Ohio University, Athens, OH (APA Accredited Program)

Internship, 2009-2010

Rehabilitation Psychology
University of Washington Medical Center
Seattle, WA (APA Accredited Program)

Master of Science, 2006

Clinical Health Psychology
Ohio University, Athens, OH

Bachelor of Arts, 2003

Psychology, Summa cum laude
Fordham University, New York, NY

PEER-REVIEWED PUBLICATIONS (reverse chronological order)

* Graduate student at time of publication; ** Undergraduate student at time of publication;
***Postdoc at time of publication

1. Alnojeidi, A. H.*, Capo-Lugo, C., Sturgeon, J.A., & **Trost, Z.** (under review). A preliminary examination of pain-related injustice appraisal and anger among Arab-Americans with chronic low back pain.
2. Alnojeidi, A. H.*, Capo-Lugo, C., Sturgeon, J.A., & **Trost, Z.** (under review). Preliminary study: The role of ethnic identity, religiosity, and discrimination in injustice appraisal among Arab-Americans with chronic low back pain.
3. Gustin, S., Bolding, M., Willoughby, W., Anam, M., Seward, J., Shum, C., Rumble, D., Sturgeon, J.A., Mark, V., Chen, Y., Mitchell, L., Cowan, R., Perera, R., Richardson, E., Richards, S., & **Trost, Z.** (under review). Cortical mechanisms underlying immersive interactive virtual walking treatment for amelioration of neuropathic pain after spinal cord injury: Findings from a preliminary investigation of thalamic inhibitory function.
4. Henessy, R.*, Rumble, D.***, **Trost, Z.**, and Brown, D. (under review). Effects of VR-based visual flow manipulation on walking speed in individuals with chronic low back pain who exhibit pain interference.

5. Henessy, R.* , Rumble, D.***, **Trost, Z.**, & Brown, D. (under review). Effects of virtual reality and visual modulation of reaching feedback to encourage farther forward reach in people with chronic low back pain.
6. Sturgeon, J. A., Pierce, J., & **Trost, Z.**, (under review). Initial validation of the Tampa Scale of Kinesiophobia in a sample of adults with chronic headache.
7. **Trost, A.**, Sturgeon, J.A., Agtarap, S., McMin, K., McShan, E., Boals, A., Arewasikporn, A., Foreman, M., & Warren, A. (under review) The impact of perceived injustice on pain and psychological outcomes following traumatic injury: A longitudinal analysis.
8. Vorensky M.* , Kissi, A.* (shared first authorship), Sturgeon, S., Vervoort, T., & **Trost, Z.**, (under review). Racial differences in movement-evoked pain appraisals and pain behaviors among adults with chronic low back pain.
9. Crouch, T., Sturgeon, J., Guck, A., Higawara, N., Smith, W., & **Trost, Z.** (in press. Race and belief in a just world: Implications for pain acceptance among individuals with chronic low back pain. *Journal of Pain*
10. Daenen, F.** , Bert, F., * , McParland, J., **Trost, Z.**, Schillemans, A., Tanghe, A., & Vervoort, T. (2023, in press). Child appraisals of injustice in the context of acute & chronic pain: An interpretative phenomenological analysis. *European Journal of Pain*.
11. Daenen, F.** , Wauters, A., **Trost, Z.** Van Ryckehem, D., & Vervoort, T. (2023). Youth baseline and state pain-related injustice appraisals are associated with emotional responses of anger and sadness: An experimental study. *Frontiers Pain Research*, 21, 1080461. PMID: 37151841
12. Richardson, E., **Trost, Z.**, Payne, M., & Wiggins, A. (2023). The negative effect of social discrimination on pain tolerance and the moderating role of pain catastrophizing. *Journal of Clinical Psychology in Medical Settings*, 30, 169 -81. PMID: 35244822
13. Parker, A.* , Sebring, L., Foley, F., Hirsh, E.L., Robbins, M., **Trost, Z.**, & Seng, E., (2023). Injustice, quality of life, and psychiatric symptoms in people with migraine. *Rehabilitation Psychology*, 68, 77-90. PMID: 36633992
14. Shubiner, H., Jackson, B., Molina, K.M., Sturgeon, J.A., Sealy-Jefferson, S., Lumley, M.A., Jolly, J., & **Trost, Z.** (2023, online ahead of print). Racism as a source of pain. *Journal of General Internal Medicine*.
15. Harvie, D. S., Smith, R., Martin, D., Hirsh, A. T., & **Trost, Z.** (2022). Editorial: Novel applications of virtual and mixed reality in pain research and treatment." *Frontiers in Virtual Reality*, 3.
16. Baehr, L.* , Kaimal, G., Hiremath, S., **Trost, Z.**, Finley, M. (2022). Staying active after rehab: Physical activity perspectives with a spinal cord injury beyond functional gains. *PLoS One*, 17(3):e0265807. PMID: 35320294
17. Baert, F.* , Van Ryckeghem, D., Sanchez-Lopez, A., Miller, M.* , Hirsh, A., **Trost, Z.**, & Vervoort, T. (2022). The impact of maternal child- and self-oriented pain-related injustice appraisals upon maternal attention to child pain, attention to anger, and pain-attending behavior. *British Journal of Pain*, 16, 303-316. PMID: 35646345
18. Hesam-Sariati, N.***, Chang, W., Wewege, M.A., McAuley, J., Booth, A., **Trost, Z.**, Lin., C., Newton-John, T., and Gustin, S. (2022). The analgesic effect of EEG neurofeedback for people with chronic pain: A systematic review and meta-analysis. *European Journal of Neurology*, 29, 921-36. PMID: 34813662
19. **Trost, Z.**, Anam, M.* , Seward, J.* , Shum, C., Rumble, D.***, Sturgeon, J., Mark, V., Chen, Y., Mitchell, L., Cowan, R., Perera, R., Richardson, E., Richards, S., & Gustin, S. (2022). Immersive interactive virtual walking reduces neuropathic pain in spinal cord injury: Findings from a preliminary investigation of feasibility and clinical efficacy. *PAIN*, 163, 350-361. PMID: 34407034
20. Mathur, V.A., **Trost, Z.**, Enzawa, M.O., Sturgeon, J.A., & Hood, A. (2022). Mechanisms of injustice: What we (don't) know about racialized disparities in pain. *PAIN*, 16, 999-1005. PMID: 34724680
21. Alnojeidi, A. H.* , Capo-Lugo, C., Sturgeon, J.A., & **Trost, Z.** (2022). Injustice through a cultural lens: A pilot qualitative exploration of pain-related injustice appraisals among Arab-Americans with chronic low back pain. *Journal of Pain*, 23, 739-753. PMID: 34718152
22. M.M. Miller*, Williams, A., Scott, E., **Trost, Z.**, & Hirsh, A. (2022). Anger as a mechanism for injustice in pediatric pain. *Journal of Pain*, 23, 223-235. PMID: 34403788
23. M.M. Miller*, Williams, A., Scott, E., **Trost, Z.**, & Hirsh, A. (2021). Battle of the appraisals: Pain-related injustice versus catastrophizing as mediators in the relationship between pain intensity

- and 3-month outcomes in children with chronic pain. *Journal of Pain*, 23, 223-235. PMID: 34403788
24. Kang, D., Hasam-Shariati, N., McAuley, J.H., Monzurul, A., **Trost, Z.**, Rae, C.D. & Gustin, S. (2021). Disruption to normal excitatory and inhibitory function within the medial prefrontal cortex in people with chronic pain. *European Journal of Pain*, 25, 2242-56. PMID: 34242465.
 25. Philippus, A., Sevigny, M., Agtarap, S., MacIntyre, B., Welch, A., **Trost, Z.**, Boals, A., & Monden, K. (Online 2021). Validation of the Injustice Experience Questionnaire (IEQ) in a spinal cord injury population. *Spinal Cord*, 59, 1177-86. PMID: 34052836.
 26. Kidwell, A.L.*, Motl., R.W., Sasaki, J.E., Cederberg, Jeng, B., & **Trost, Z.** (2021). Perceived injustice in multiple sclerosis: An initial, exploratory study. *Rehabilitation Psychology*, 55, 335-43. PMID: 34472930
 27. Seward, J.C.**, Stavrinou, D., Moore, D., Attridge, N., & **Trost, Z.** (2021) When driving hurts: Characterizing the experience and impact of driving with back pain. *Scandinavian Journal of Pain*, 24, 445-56. PMID: 33641275
 28. Buelow, M. T., Brunell, A. B., & **Trost, Z.** (2021). Narcissism and the experience of pain. *Personality and Individual Differences*, 169.
 29. **Trost, Z.**, France, C., Anam, M.*, & Shum, C. (2021). Topical review: Virtual Reality approaches to pain: Toward a state of the science. *Pain*, 162, 325-331. PMID: 32868750
 30. Sturgeon, J., Seward, J.**, Rumble, D.***, & **Trost, Z.** (2021). Development and validation of a daily Injustice Experience Questionnaire. *European Journal of Pain*, 25, 668-679.
 31. Miller, M.***, Rumble, D.***, Hirsh, A., Vervoort, T., Crosby, L., Madan-Swain, A., Lebensburger, J., & **Trost, Z.** (2021). Pain-related injustice appraisals in youth with sickle cell disease: a preliminary investigation. *Pain Medicine*.
 32. Hood, A.***, Crosby, L., Hanson, E., Shook, L., Lebensburger, J., Madan-Swain, A., Miller., M., and **Trost, Z.** (2020). Influence of perceived racial bias and health-related stigma on quality of life among children with sickle cell disease. *Ethnicity & Health*. 8, 1-14.
 33. Hesam-Sariati, N.***, Chang, W., McAuley, J., Booth, A., **Trost, Z.**, Lin., C., Newton-John, T., and Gustin, S. (2020). The analgesic effect of EEG neurofeedback for people with chronic pain? A protocol for systematic review and meta-analysis. *JMIR Research Protocols*, 9, e22821.
 34. Baert, F.*, McParland, J., Miller., M.***, Hirsh, A., Wallace, E., Dickson, A., **Trost, Z.**, and Vervoort, T. (2020). Mothers' appraisals of injustice in the context of their child's chronic pain: An Interpretative Phenomenological Analysis. *European Journal of Pain*, 24, 1932-45.
 35. Hesam-Shariati, N.***, Newton-John, T., Singh, A., Tirado Cortes, C., Nguyen T., Craig, A., Middleton, J., Jensen, M., **Trost, Z.**, Lin, C., Gustin, S. (2020). Evaluation of the effectiveness of a novel brain-computer interface neuromodulative intervention to relieve neuropathic pain following spinal cord injury: protocol for a single-case experimental design with multiple baselines. *JMIR Research Protocols*, 9, e20979.
 36. Hennessy, R.W.*, Rumble, D.***, Christian, M., Brown, D. A., & **Trost, Z.** (2020) A graded exposure, locomotion-enabled, virtual reality application during walking and reaching for individuals with chronic low back pain: A usability study. *JMIR Serious Games*, 10, e17799.
 37. Baert, F.*, Miller, M. M.*, **Trost, Z.**, Hirsh, A. T., McParland, J., De Schryver, M. & Vervoort, T. (2020). Parental injustice appraisals in the context of child pain: Examining the construct and concurrent validity of the IEQ-Pc and IEQ-Ps. *Journal of Pain*, 21, 195-211.
 38. Ziadni, M., Sturgeon, J.A., Bissel, D.**, Guck, A., Martin K., Scott, W., **Trost, Z.** (2020). Injustice appraisal but not pain catastrophizing mediates the relationship between perceived ethnic discrimination and depression and disability in low back pain. *Journal of Pain*, 21, 582-92.
 39. Penn, T.*, Overstreet, D.*, Aroke, E.*, Rumble, D.*, Sims, A.*, Kehrer, C*, Michl, A. Hasan, F., Quinn, T., Long, D., **Trost, Z.**, Morris, M. and Goodin, B. (2020). Perceived injustice helps explain the association between chronic pain stigma and movement evoked pain in adults with nonspecific chronic low back pain. *Pain Medicine*, 21, 3161-71
 40. Meese, M. M., **Trost, Z.**, & Chang, T. (2020). Immersive virtual reality anesthesiology training: The next frontier in simulation training. *Journal of Clinical Anesthesia and Pain Management*, 4(1).
 41. Mehok, M., Miller, M.M., **Trost, Z.**, Goubert, L., de Ruddere, L., Hirsh, A. (2019). Pain intensity and attribution mediate the impact of patient weight and gender on activity recommendations for chronic pain. *Journal of Pain Research*, 12, 2743-53. PMID: 31571978.

42. Penn, T.*, **Trost, Z.**, Parker, R., Wagner, W.*, Owens, M.*, Gonzales, C.*, White, D.*, Merlin, J., & Goodin, B. (2019). Social support buffers the negative influence of injustice perceptions on pain interference in people living with HIV (PLWH) and chronic pain. *Pain Reports*, *14*, e710. PMID: 31041415.
43. Monden, K., Phillipus, A., Boals, A., Morse, L., Ketchum, J., & **Trost, Z.** (2019). Unique predictors of perceived injustice and depression after spinal cord injury – Evidence for distinct psychological constructs. *Spinal Cord*, *57*, 1031-39. PMID: 31235873.
44. Barnhart, W.**, Buelow, M. T., **Trost, Z.** (2019). Effects of acute pain and pain-related fear on risky decision making and effort during cognitive tests. *Journal of Clinical and Experimental Neuropsychology*, *4*, 1033-47. PMID: 31366275.
45. **Trost, Z.**, Sturgeon, J., Azuero, C., & Monden, K. (2019). Injustice and disability. In: Dunn, D (Ed.). *Disability: Social Psychological Perspectives*. New York: Oxford University Press.
46. **Trost, Z.**, Sturgeon, J., Guck, A., Ziadni, M., Nowlin, L., Goodin, B., & Scott, W. (2019). Examining injustice appraisals in a racially diverse sample of individuals with chronic low back pain. *Journal of Pain*, *20*, 83-96. PMID: 30179671.
47. Miller, M. M.*, Allison, A.**, Hollingshead, N. A.*, **Trost, Z.**, Goubert, L., De Ruddere, L., Wheelis, T.** & Hirsh, A. T. (2018). Differential effect of patient weight on pain-related judgements about male and female chronic low back pain patients. *Journal of Pain*, *1*, 57-66. PMID: 28951162.
48. Bell, T.*, **Trost, Z.**, Buelow, M., Clay, O., Younger, J., Moore, D., & Crowe, M. (2018). Meta-analysis of cognitive performance in fibromyalgia. *Journal of Clinical and Experimental Neuropsychology*, *7*, 698-714. PMID: 29388512.
49. Miller, M. M.*, Wuest, D., Williams, A.E., Scott, E.L., **Trost, Z.**, & Hirsh, A.T. (2018). Injustice perceptions about pain: Parent-child discordance is associated with worse functional outcomes. *Pain*, *159*, 1083-1089. PMID: 29470313.
50. Vervoort, T. & **Trost, Z.** (2018). An Affective-motivational account of interpersonal dynamics in pain. In: K. Prkachin, **Z. Trost**, K. Karos, & T. Vervoort (Eds.). *Social and Interpersonal Dynamics in Pain: We don't Suffer Alone*. New York: Springer.
51. Prkachin, K., Karos, K., Vervoort, V., & **Trost, Z.** (2018). Where we've been, where we're at, where do we go from here? In: K. Prkachin, **Z. Trost**, K. Karos, & T. Vervoort (Eds.). *Social and Interpersonal Dynamics in Pain: We don't Suffer Alone*. New York: Springer.
52. Sturgeon, J., Mackey, Maisa Ziadni, **Trost, Z.**, & Darnall, B. (2017). Pain catastrophizing, perceived injustice, and pain intensity impair life satisfaction through differential patterns of physical and psychological disruption. *Journal of Scandinavian Pain Medicine*, *17*, 390-396. PMID: 29074199.
53. Horn-Hofmann, C., **Trost, Z.**, Hublet, A., Mrug, S., Van Damme, J., & Vervoort, T. (2017). The relationship between pain severity and alcohol use among school-aged children and adolescents: The moderating role of drinking motives. *Pain Medicine*. PMID: 28340189.
54. Boals, A., **Trost, Z.**, Rainey, E., Foreman, M. L., & Warren, A. M. (2017). Severity of traumatic injuries predicting psychological outcomes: A surprising lack of empirical evidence. *Journal of Anxiety Disorders*, *50*, 1-6. PMID: 28501651.
55. Boals, A., **Trost, Z.**, Bernsten, D., Wheeler, T.**, & Monden, K. (2017). Event centrality as a unique predictor of posttraumatic stress symptoms and perceived disability among individuals following spinal cord injury. *Spinal Cord*, *55*, 1023-27. PMID: 28555662.
56. Vervoort, T. & **Trost, Z.** (2017). Examining affective-motivational dynamics and behavioral implications within the interpersonal context of pain. *The Journal of Pain*, *18*, 1174-1183. PMID: 29309272.
57. **Trost, Z.**, Jones, A. R., Guck., A.*, Vervoort, T., Kowalsky, J. M.*, & France, C. R. (2017). Initial validation of a virtual blood draw exposure paradigm for fear of blood and needles. *Journal of Anxiety Disorders*, *51*, 65-70. PMID: 28780134.
58. **Trost, Z.**, Scott, W., Buelow, M., Nowlin, L., Turan, B., Boals, A., & Monden, K. (2017). The association between injustice perception and psychological outcomes in an inpatient spinal cord injury sample: The mediating effects of anger. *Spinal Cord*, *10*, 898-905. PMID: 28555664.
59. Juweid, M., Farah, K., Hawamdeh, Z., Alqudah, A., Nowlin, L., Vlaeyen, J., & **Trost, Z.** (2017). Fear of movement/(re)injury among Arabic low back pain patients: Establishing the validity of the

- Tampa Scale of Kinesiophobia – Arabic Version. *MYOPAIN: A Journal of Myofascial Pain and Fibromyalgia*, doi: 10.1080/24708593.2017.1303014
60. Salisbury, D. B., Parsons, T. D., Monden, K. R., & **Trost, Z.** (2016). Brain-computer interface for individuals after spinal cord injury. *Rehabilitation Psychology, 61*, 435-41. PMID: 7684465.
 61. Miller, M. M.*, Scott, E. L., **Trost, Z.**, & Hirsh, A. T. (2016). Perceived injustice is associated with pain and functional outcomes in children and adolescents with chronic pain: A preliminary examination. *The Journal of Pain, 17*(11), 1217-1226. PMID: 27555426.
 62. **Trost, Z.**, Van Ryckeghem, D., Scott, W., Guck, A.*, & Vervoort, T. (2016). The impact of perceived injustice on appraisals of physical activity: An examination of the mediating role of attention bias to pain in a chronic low back pain sample. *The Journal of Pain, 17*, 1207-16. PMID: 27555428.
 63. Agtarap, S.*, Scott, W., Warren, A. M., & **Trost, Z.** (2016). Validation of the Injustice Experiences Questionnaire in a heterogeneous trauma sample. *Rehabilitation Psychology, 3*, 336-44. PMID: 27389960.
 64. Scott, W., Milioto, M., **Trost, Z.**, & Sullivan, M. J. L. (2016). The relationship between perceived injustice and the working alliance: a cross-sectional study of patient with persistent pain attending a multidisciplinary rehabilitation. *Disability Rehabilitation, 23*, 1-9. PMID: 26805034.
 65. Scott, W., McEvoy, A., Garland, R.**, Bernier, E.**, Milioto, M., **Trost, Z.**, & Sullivan, M. J. L. (2016). Sources of injustice among individuals with persistent pain following musculoskeletal injury. *Psychological Injury and Law, 9*, 6-15.
 66. Monden, K. R. & **Trost, Z.**, Scott, W., Bogart, K., & Driver, S. (2016). The unfairness of it all: Exploring the role of injustice appraisals in rehabilitation outcomes. *Rehabilitation Psychology, 61*, 44-53. PMID: 26881306. †**Shared first authorship.**
 67. **Trost, Z.**, Monden, K., Buelow, M., Boals, A. & Scott, W. (2016). Perceived injustice predicts intention to litigate: Findings from a spinal cord injury sample. *Psychological Injury and Law, 9*, 31-40.
 68. Vervoort, T. & **Trost, Z.** (2015). The interpersonal function of pain: Conserving multiple resources. *Pain, 157*, 773-4. PMID: 26645549.
 69. Driver, S., Warren, A. M., Reynolds, M., Agtarap, S.*, Hamilton, R., **Trost, Z.**, & Monden, K. (2016). Identifying predictors of resilience at inpatient and 3-months post spinal cord injury. *The Journal of Spinal Cord Medicine, 39*, 77-84. PMID: 25297474.
 70. Owens, M. A.*, Bulls, H. W.*, **Trost, Z.**, Terry, S. C.**, Gossett, E. W.**, Wesson-Sides, K. M.**, & Goodin, B. R. (2015). An examination of pain catastrophizing and endogenous pain modulatory processes in adults with chronic low back pain. *Pain Medicine, 17*, 1452-64. PMID: 26814298.
 71. Warren, A. M., Boals, A., Elliot, T., Reynolds, M., Weddle, M. R., Holtz, P.*, **Trost, Z.**, & Foreman, M. L. (2015). Mild traumatic brain injury increases risk for the development of posttraumatic stress disorder. *The Journal of Trauma, 79*, 1062-66. PMID: 26488326.
 72. **Trost, Z.**, Agtarap, S.*, Scott, W., Driver, S., Guck, A.*, Roden-Foreman, K.*, Reynolds, M., Foreman, M. L., & Warren, A. M. (2015). Perceived injustice after traumatic injury: Associations with pain, psychological distress, and functional outcomes 12 months after injury. *Rehabilitation Psychology, 60*, 213-21. PMID: 26192050.
 73. **Trost, Z.**, Zielke, M., Guck, A.*, Nowlin, L.**, Zakhidov, D., France, C. R., & Keefe, F. (2015). The promise and challenge of virtual gaming technologies for chronic pain: The case of graded exposure for chronic low back pain. *Pain Management, 5*, 197-206. PMID: 25971643.
 74. Buelow, M. T., Okdie, B. M., Brunnell, A. B., & **Trost, Z.** (2015). Stuck in a moment and you can't get out of it: The lingering effects of ostracism on cognition and satisfaction of basic needs. *Personality and Individual Differences, 76*, 39-43. doi.org/10.1016/j.paid.2014.11.051
 75. **Trost, Z.**, Strachan, E., Sullivan, M. J. L., Vervoort, T., Avery, A. R., & Afari, N. (2015). The heritability of pain catastrophizing and association with experimental pain outcomes: A twin study. *Pain, 156*, 514-20. PMID: 25599234.
 76. Martin, L. J., Hathaway, G.**, Isbester, K., Mirali, S., Acland, E. J., Niederstrasser, N.*, Slepian, P. M.**, **Trost, Z.**, Bartz, J. A., Sapolsky, R. M., Sternberg, W. F., Levitin, D. J., & Mogil, J. S. (2015). Reducing social stress elicits emotional contagion of pain in mouse and human strangers. *Current Biology, 25*, 326-32. PMID: 25601547.

77. Scott, W., **Trost, Z.**, Milioto, M., & Sullivan, M. J. L. (2015). Barriers to change in depressive symptoms following multidisciplinary rehabilitation for whiplash: The role of perceived injustice. *The Clinical Journal of Pain, 31*, 145-51. PMID: 24751546.
78. Monden, K., **Trost, Z.**, Catalano, D., Garner, A., Symcox, J., Driver, S., Hamilton, R., & Warren, A.M. (2014). Resilience following spinal cord injury: A phenomenological view. *Spinal Cord, 52*, 197-201. PMID: 24418959.
79. **Trost, Z.** & Parsons, T. D. (2014). Beyond distraction: Virtual reality graded exposure therapy as treatment for pain-related fear and disability in chronic pain. *Journal of Applied Biobehavioral Research, 19*, 106-26.
80. Scott, W., McCracken, L., & **Trost, Z.** (2014). A psychological flexibility conceptualization of the experience of injustice among individuals with chronic pain. *British Journal of Pain, 8*, 62-71. PMID: 26516537.
81. Vervoort, T., **Trost, Z.**, Sütterlin, S., Caes, L., & Moors, A., (2014). The emotion regulatory function of parent attention to child pain and associated implications for parental pain control behaviour. *Pain, 155*, 1453-63. PMID: 24769189.
82. Parsons, T. D. & **Trost, Z.** (2014). Virtual reality graded exposure therapy as treatment for pain-related fear and disability in chronic pain. In: M. Minhua, C. Lakhmi, & P. Anderson (Eds.). *Virtual, Augmented Reality and Serious Games for Healthcare* (pp. 523-46). New York: Springer.
83. **Trost, Z.**, France, C. R., Vervoort, T., Lange, J.* & Goubert, L. (2014). Learning about pain through observation: The role of pain-related fear. *Journal of Behavioral Medicine, 37*, 257-65. PMID: 23264004.
84. **Trost, Z.**, Scott, W., Lange, J., Bernier, E.** , Manganelli, L.** , & Sullivan, M. J. L. (2014). An experimental investigation of the effect of a justice violation on pain experience and expression among individuals with high and low just world beliefs. *European Journal of Pain, 18*, 415-23. PMID: 23918230.
85. Vervoort, T., **Trost, Z.**, & Ryckegem, D. M. L.* (2013). Children's selective attention to pain and avoidance behaviour: the role of child and parental catastrophizing about pain. *Pain, 154*, 1979-88. PMID: 23792243.
86. Scott, W., **Trost, Z.**, Bernier, E.** , & Sullivan, M. J. L. (2013). Anger differentially mediates the relationship between perceived injustice and chronic pain outcomes. *Pain, 154*, 1691-8. PMID: 23707294.
87. Scott, W., **Trost, Z.**, & Sullivan, M. J. L. (2013). Further validation of a measure of injury-related injustice perception to identify risk for occupational disability: A prospective study of individuals with whiplash injury. *Journal of Occupational Rehabilitation, 23*, 557-65. PMID: 23355220.
88. Sullivan, M. J. L., Martel, M. O., & **Trost, Z.** (2013). Pain Chronicity and Disability. In P. Loisel and H. Anema (Eds.), *Handbook of work disability: Prevention and management* (pp.107-124). New York: Springer.
89. Vervoort, T., **Trost, Z.**, Prkachin, K. M., & Mueller, S. C. (2013). Attentional processing of other's facial display of pain: An eye tracking study. *Pain, 154*, 836-44. PMID: 23561271.
90. **Trost, Z.** (2012). All pain is not created equal: Differentiating between pain during movement versus pain at rest following total knee arthroplasty. *Pain, 153*, 2161-2. PMID: 22883924.
91. Vervoort, T., Caes, L.* , **Trost, Z.**, Notebaert, L., & Goubert, L. (2012). Parental attention to their child's pain is modulated by threat-value of pain. *Health Psychology, 31*, 623-31. PMID: 22888823.
92. Sullivan, M. J. L., Scott, W.* , & **Trost, Z.** (2012). Perceived injustice: A risk factor for problematic pain outcomes. *Clinical Journal of Pain, 28*, 484-8. PMID: 22673480.
93. Martel, M. O., **Trost, Z.**, & Sullivan, M. J. L. (2012). The expression of pain behaviors in high catastrophizers: The influence of automatic and controlled processes. *Journal of Pain, 13*, 808-15. PMID: 22858344.
94. **Trost, Z.** (2012). Models under scrutiny--the strengths and limitations of our theoretical frameworks: A comment on Holla et al. *Annals of Behavioral Medicine, 44*, 5-6. PMID: 22547154.
95. Caes, L.* , Vervoort, T., **Trost, Z.**, & Goubert, L. (2012). The impact of parental catastrophizing and contextual threat on parents' emotional and behavioral responses to their child's pain. *Pain, 153*, 687-95. PMID: 22273548.

Article awarded the "Dr. John T Goodman Award for Student Research in Pediatric

Pain"

96. **Trost, Z.**, France, C. R., Sullivan, M. J., & Thomas, J. (2012). Pain-related fear predicts reduced spinal motion following experimental back injury. *Pain*, *153*, 1015-21. PMID: 22377437.
97. **Trost, Z.**, Vangronsveld, K., Linton, S., & Quartana, J. M., & Sullivan, M. J. L. (2012). Topical review: Cognitive dimensions of anger in chronic pain. *Pain*, *153*, 515-7. PMID: 22136750.
98. **Trost, Z.**, France, C. R., & Thomas, J. (2011). Pain-related fear and avoidance of physical exertion following delayed onset muscle soreness. *Pain*, *152*, 1540-7. PMID: 21419575.
99. Vervoort, T., Caes, L.*, **Trost, Z.**, Sullivan, M. J. L., Vangronsveld, K., & Goubert, L. (2011). Social modulation of facial pain display in high-catastrophizing children: An observational study in schoolchildren and their parents. *Pain*, *152*, 1591-9. PMID: 21459512.
100. Heffner, K. L., France, C. R., **Trost, Z.**, Ng, H. M., & Pigeon, W. R. (2011). Chronic low back pain, sleep disturbance, and interleukin-6. *Clinical Journal of Pain*, *27*, 35-41. PMID: 21188850.
101. France, C. R., Ditto, B., Wissel, M. E., France, J. S., Dickert, T., Rader, R., Sinclair, K.*, McGlone, S.*, **Trost, Z.**, & Matson, E. (2010) Predonation hydration and applied muscle tension combine to reduce presyncopal reactions to blood donation. *Transfusion*, *50*, 1257-64. PMID: 20113455.
102. **Trost, Z.**, & France, C. R. (2009). Pain in pictures: The Photograph of Daily Activities Scale as a potential tool in clinical practice. *The Pain Practitioner*, *19*, 64-66.
103. **Trost, Z.**, France, C. R., & Thomas, J. (2009). Examination of the Photograph Series of Daily Activities (PHODA) Scale in chronic low back pain patients with high and low kinesiophobia. *Pain*, *141*, 276-82. PMID: 19131166.
104. Lehrer, P., Vaschillo, E., **Trost, Z.**, & France, C. R. (2009). Effects of rhythmical muscle tension at 0.1 Hz on cardiovascular resonance and the baroreflex. *Biological Psychology*, *81*, 24-30. PMID: 19428965.
105. **Trost, Z.**, France, C. R., & Thomas, J. (2008). Exposure to movement in chronic back pain: Evidence of successful generalization across a reaching task. *Pain*, *137*, 26-33. PMID: 17869423.
106. France, F., Montalva, R.*, France, J., & **Trost, Z.** (2008). Enhancing attitudes and intentions in prospective blood donors: Evaluation of a new donor recruitment brochure. *Transfusion*, *3*, 526-30. PMID: 18067498.

PRESENTATIONS AND WORKSHOPS (reverse chronological order)

* Graduate student at time of presentation; ** Undergraduate student at time of presentation

1. **Trost, Z.** (2022, August). Applying VR to multidisciplinary rehabilitation. Interdisciplinary Grand Rounds presentation, Physical Medicine and Rehabilitation, Virginia Commonwealth University.
2. **Trost, Z.**, (2022, August). Injustice great and small: The role of injustice appraisals in pain and rehabilitation outcomes. Grand Rounds presentation, Physical Medicine and Rehabilitation, Virginia Commonwealth University.
3. **Trost, Z.** (2022, April) Applying VR to the problem of pain and the case of virtual walking in spinal cord injury. In Eccleston (Chair). *Virtual Interventions for Chronic Pain: Current Status, Challenges, and Opportunities*. 12th Congress of the European Pain Federation (EFIC) - Pain in Europe XII. Dublin, Ireland.
4. Philippus, A.*, Sevigny, M., Agtarap, S., MacIntyre, B., Welch, A., **Trost, Z.**, Boals, A., Monden, K. (2022, February). Validation of the Injustice Experience Questionnaire (IEQ) in a spinal cord injury population. Annual Rehabilitation Psychology Conference, 2022, Virtual Meeting.
5. **Trost, Z.** (2021, November). *Core Psychology Session: Emerging Technologies in the Management of Pain* (Speaker and Chair). European Pain Federation (EFIC) 2nd Virtual Pain Summit.
6. **Trost, Z.** (2021, June). Applying virtual reality to reduce neuropathic pain and support rehabilitation after SCI. In *Virtual Rehabilitation Approaches to Pain*. International Society for Virtual Rehabilitation Webinar.
7. **Trost, Z.** (2021, May) Virtual Reality applications to chronic pain: Theoretical challenges and future directions. In Colloca (Chair). *Virtual Reality Blitz*. Society for Interdisciplinary Placebo Studies (SIPS) Third International Conference (Virtual).
8. **Trost, Z.** (2020, December). *Examining the interface between race and pain* (Chair and Presenter). American Psychosomatic Society, Virtual Conference.

9. **Trost, Z.** (2021, April). Virtual reality and chronic pain: The case of virtual walking and SCI. Midwestern Psychological Association, Virtual Conference.
 10. **Trost, Z.** (2020, October). Virtual reality as a tool for neuropathic pain management and functional restoration following SCI. In A. Gorgey (Chair). *Technological advancements in the rehabilitation after spinal cord injury*. American Congress of Rehabilitation Medicine (ACRM), Atlanta, GA.
 11. **Trost, Z.** (2019, September). Immersive virtual walking as treatment for neuropathic pain in spinal cord injury. In C. Mercier (Chair). Virtual reality rehabilitation interventions to improve motor functions and reduce pain after spinal cord injury. Workshop presentation at the 2019 International Spinal Cord Society (ISCoS), Nice, France.
 12. **Trost, Z.** (2018, August). 'Mostly pain but also blood': Emerging application of virtual reality technologies to pain and rehabilitation. Invited talk presented at the University of South Dakota Center for Brain and Behavior Research Symposium, Vermillion, SD.
 13. Baert, F.*, **Trost, Z.**, Hirsh, A. T., Miller, M. M.*, De Schryver, M., & Vervoort, T. (2018, August) Child pain and well-being: the role of parental perceptions of injustice. In C. Van Gampelaere (Chair). *Don't forget the parents: The role of parental experience in paediatric chronic pain conditions*. Symposium presented at the 2018 Annual Conference of the European Health Psychology Society. Galway, Ireland.
 14. **Trost, Z.** & Shum, C. (2018, September). Immersive virtual walking as treatment for neuropathic pain in spinal cord injury. In F. Keefe (Chair). *Virtual Reality and Chronic pain: Hands-on Demonstration of the State of the Art and Future Directions*. Demonstration open format workshop organized by Z. Trost to be presented at the 2018 World Congress on Pain, Boston, USA.
 15. Shum, C. & **Trost, Z.** (2018, April). Realities in pain. Talk presented at the Neuroscience Café. Hosted by the UAB Comprehensive Neuroscience Center, Homewood Library, Birmingham, AL.
 16. **Trost, Z.** & Shum, C. (2018, March). Using virtual reality to treat pain: Virtual graded exposure for chronic low back and virtual walking for persistent neuropathic pain in spinal cord injury. In H. van Middendorp (Chair), *Bringing Psychological Interventions into the Digital Era*. Symposium presented at the American Psychosomatic Society 2018 Annual Meeting, Louisville, KY.
 17. Monden, K., Phillipus, A., & **Trost, Z.** (2018, February). Appraisals of injustice among individuals living with spinal cord injury. Presentation at the 20th Annual Rehabilitation Psychology Conference, Dallas, TX.
 18. **Trost, Z.** (2017, October). Spotlight on emerging ideas in adjustment following SCI: Pain and injustice. In C. Yarar-Fisher (Chair), *Psychological Issues in Adjustment Following SCI*. Symposium presented at the 2017 American Congress of Rehabilitation Medicine, Atlanta, GA.
 19. **Trost, Z.** (2017, September). Beyond distraction: A perspective from the world of pain research. Talk presented at meeting of Good Games UAB. Birmingham, AL.
 20. **Trost, Z.**, Goodin, B., & Weisberg, J. (2017, June). Understanding chronic pain for better clinical practice and future research. Workshop presented to the Alabama Psychological Association, Orange Beach, AL.
 21. **Trost, Z.** (2017, April). The unfairness of it all: Findings from rehabilitation psychology. Lecture presented at Physical Medicine and Rehabilitation Grand Rounds, University of Alabama at Birmingham, Birmingham, AL.
 22. Shum, C. & **Trost, Z.** (2017, September). Beyond distraction: Historical and clinical perspectives on virtual reality and pain. Invited talk at the Southern Pain Society, New Orleans, LA.
 23. Agtarap, S.*, **Trost, Z.**, Scott, W., Boals, A., & Warren, A.M. (2017, February). Validating the Injustice Experiences Questionnaire in a diverse sample of traumatic injury: A confirmatory factor analysis. Poster presented at the 19th Annual Rehabilitation Psychology Conference, Albuquerque, NM.
- Rated as a top student submission and invited for Student Oral Presentation by American Board of Rehabilitation Psychology Program Committee*
24. Monden, K., Boals, A., Wheelis, T.*, & **Trost, Z.** (2017, April). Perceived disability and posttraumatic stress predict perceptions of injustice after spinal cord injury. Talk presented at the 2017 American Spinal Cord Injury (ASIA) Annual Meeting. Albuquerque, New Mexico.

25. **Trost, Z.** (2016, December). Fear, injustice, and virtual reality: A research overview. Presented to the UAB Center for Palliative and Supportive Care Scholars Meeting. Center for Palliative and Supportive Care. Birmingham, AL.
26. Overstreet, D.*, Penn, T.*, Browning, W.*, Goodin, B., & **Trost, Z.** (2016, October). Racial differences in appraisal of physical activity among community-dwelling adults with chronic low back pain. Talk presented at the 2016 University of Alabama at Birmingham Pain Symposium. Birmingham, AL.

Selected as one of top 3 student submissions – invited for oral presentation.

27. **Trost, Z.** (2016, March). Interpersonal, intrapersonal, and virtual realities: A research overview. Lecture presented as part of the Rehabilitation Science Seminar Series, University of Alabama at Birmingham, Birmingham, AL.
28. Monden, K. R., **Trost, Z.**, Richardson, E. J., & Sankaranarayanan, G. (2016, February). Pain and rehabilitation following spinal cord injury: Psychological contributions and novel interventions. Workshop presented at the 18th Annual Rehabilitation Psychology Conference. Atlanta, GA.
29. **Trost, Z.** (2016, January). Examining possible bias in perception of pain among patients with HIV: Methods and pilot findings. Lecture presented to the 1917 Cohort Meeting, University of Alabama at Birmingham, Birmingham, AL.
30. **Trost, Z.** (2015, October). Intrapersonal and interpersonal dynamics of pain: A research overview. Lecture presented to University of Alabama at Birmingham Pain Interest Group. Birmingham, AL.
31. **Trost, Z.** (2015, September). The role virtual reality gaming in chronic low back pain. Invited lecture presented to the Department of Anesthesiology, Center for Pain Research, University of Pittsburgh. Pittsburgh, PA.
32. **Trost, Z.** (2015, September). Intrapersonal and interpersonal dynamics of pain experience. Graduate lecture presented at University of Alabama, Tuscaloosa, AL.
33. Monden, K., Boals, A., & **Trost, Z.**, (2015, September). The psychological impact of construing a spinal cord Injury as a key life event. Talk presented at the 2015 Annual Meeting of the Academy of Spinal Cord Injury Professionals. New Orleans, LA. Abstract published in *The Journal of Spinal Cord Medicine*, 38, 666.
34. **Trost, Z.**, Scott, W., & Guck, A.* (2015, September). The impact of perceived injustice on psychosocial and physical outcomes in a multicultural context. In K. Prkachin (Chair), *Pain and Rehabilitation Following Spinal Cord Injury: Psychological Contributions and Novel Interventions*. Symposium presented at the 27th Annual Convention of the Association for Psychological Science, New York, NY.
35. **Trost, Z.**, Guck, A.* , Nowlin, L.** , Madi, D.** , & Davis, M.** (2015, September). Using virtual reality gaming to challenge pain-related fear and avoidance: Findings from a novel application. In G. Crombez (Chair), *Protective responses in pain: The role of threat, associative learning, and perception*. Symposium presented at the 27th Annual Convention of the Association for Psychological Science, New York, NY.
36. **Trost, Z.** (2015, September). Virtual reality gaming technologies to facilitate graded-exposure exposure in vivo among patients with chronic pain. In J. Vlaeyen (Chair), *Learning pain-related fear: Neural mechanisms, generalization, and extinction*. Topical seminar presented at the 2015 Congress of the European Pain Federation, Vienna, Austria.
37. Warren, A. M., Boals, A., Reynolds, M., Holtz, P.* , **Trost, Z.**, & Foreman, L. (2015, March). Mild traumatic brain injury increases risk for the development of posttraumatic stress disorder. Talk presented at the Western Trauma Association Annual Meeting, Telluride, CO.
38. **Trost, Z.** (2015, July). The promise and challenge of virtual gaming technologies for chronic pain and rehabilitation. Invited talk presented at American Physical Therapy Association Retreat: *Piecing Together the Pain Puzzle: The Biopsychosocial Model*. Smithfield, RI.
39. Monden, K. R., **Trost, Z.**, Wike, A.* , Garner, A.* , & Scott, W. (2015, February). Perceived injustice after spinal cord injury: Risk factors for physical and psychological outcomes. Symposium presented at the 17th Annual Rehabilitation Psychology Conference. San Diego, CA.
40. Monden, K. R. & **Trost, Z.** (2014, November). The Baylor Spinal Cord Injury Outcomes Project: Preliminary findings. Invited presentation at Baylor Institute of Rehabilitation, Dallas, TX.
41. **Trost, Z.** (2014, June). Examining risk factors for problematic outcomes following acute injury.

- Trauma grand rounds presented at Baylor University Medical Center, Dallas, TX.
42. **Trost, Z.**, Parsons, Hirsh, A. T., & Keefe, F. (2014, May). Understanding and treating chronic pain using virtual technologies. Symposium presented at the American Pain Society (APS) 33rd Annual Scientific Meeting, Tampa, FL.
 43. Wideman, T., **Trost, Z.**, & Sullivan, M. J. L. (2011, February). The role of catastrophizing in pain and disability. Workshop presented to rehabilitation staff at Constance Lethbridge Rehabilitation Centre, Science Day.
 44. **Trost, Z.**, France, C. R., & Thomas, J. S. (2010, November). Fear and movement: Appraisal and avoidance among healthy and clinical samples. Presentation for Pain Research Group at Ghent University and University of Leuven, Belgium.
 45. Heffner, K. L., France, C. R., Ng, H. M.*, **Trost, Z.**, & Smart, M. (2007, March). Sleep quality, perceived stress and inflammatory IL-6 levels in chronic low back pain. Paper session presented at the annual meeting of the Society of Behavioral Medicine, Washington, DC.
 46. **Trost, Z.**, France, C., & Thomas, J. (2006, March). Kinesiophobia predicts future disability in subacute low back pain. Presentation given to Pain Special Interest Group at annual meeting of the Society of Behavioral Medicine, Washington DC.

POSTER PRESENTATIONS AND PUBLISHED ABSTRACTS (reverse chronological order)

* Graduate student at time of presentation; ** Undergraduate student at time of presentation
 ***Postdoc at time of presentation

1. Rathor, R.***, Cowan, R., Gustin, S., Shum, C., Richardson, E., Richards, S., Anam, M., & **Trost Z.** (2024, October). *Immersive virtual walking reduces catastrophizing associated with neuropathic pain following spinal cord injury.* Abstract submitted to the 100th Annual American Congress of Rehabilitation Medicine, Atlanta, GA.
2. Vemuri, J.*, Parkhurst A.*, Warren, A., McMinn, K., McShan, E., Foreman, M., Agtarap, S. Sturgeon, J., Trost, Z. (2022, October). *The impact of perceived injustice on pain and psychological outcomes following traumatic injury.* Abstract presented at the 99th Annual American Congress of Rehabilitation Medicine, Chicago, IL.
3. Crouch, T.B., Donovan, E., Svikis, D., **Trost, Z.**, Smith, W. (2023, April). *Patient motivation to taper opioids for chronic pain: Barriers, self-efficacy, and readiness to change.* Poster presented at the Society of Behavioral Medicine Annual Meeting, Phoenix AZ.
4. Crouch, T.B., Sturgeon, A., & **Trost, Z.** (2023, April). *The Role of race, just world belief, and pain acceptance in adjustment to chronic low back pain.* Poster presented at the US Association for the Study of Pain (USASP) Annual Meeting, Durham NC.
5. Sturgeon J.A., Pierce J., & **Trost Z.** (2023, June). *Initial validation of the Tampa Scale of Kinesiophobia in a sample of adults with chronic headache.* Abstract accepted for presentation at American Headache Society 65th Annual Meeting, Austin, TX.
6. Rathore, R.***, **Trost, Z.**, Gustin, S., Shum, C., Richardson, E., Redden, D., Richards, S., Finley, M., & Cowan, R. (2023, February) *Pain trajectories during virtual reality games in spinal cord injury individuals with chronic neuropathic pain.* Poster presented to the American Physical Therapy Association Combined Sections meeting, February 2023, San Diego, CA.
7. Grigoryan, A.*, **Trost, Z.**, France, C. R., Mnatsakanyan S., Poghosyan, A., Zargaryan, D. (2022, September). *Feasibility of VR for pediatric pain reduction during blood draw: A pilot study in Armenia.* Poster to be presented at the 2022 World Congress on Pain, Toronto, Canada.
8. Vorensky, M.*, Rao, S., Guck, A., Vervoort, T., Van Alboom, I., Kissi, A.*, Sturgeon, D., * & **Trost, Z.**, (2022, September). *Racial Differences in Chronic Low Back Pain during Functional Lifting Tasks and Correlations to Pain-Related Psychosocial Factors.* Poster to be presented at the 2022 World Congress on Pain, Toronto, Canada.
9. Malik, U.**, Sabbah, L.**, Jackson, B., & **Trost, Z.** (2021, November). *Social vigilance, minoritized racial status, and chronic lower back pain: An initial literature review.* New England Psychological Association (virtual).
10. Reed, M.*, Watson, J.**, Perrin, P., & **Trost, Z.** (2020, December). *A longitudinal assessment of the impact of COVID-19 on mental health outcomes among individuals with spinal cord injury.* Society of Behavioral Medicine Virtual Conference.

11. Gorgey, A., **Trost, Z.**, and Forrest, G. (2020, September). *Technological advancements in restoration of locomotion and attenuation of comorbidities after spinal cord injury*. Virtual poster presented at the 59th International Spinal Cord Society Annual Scientific Meeting, ISCoS 2020:
12. Dixie D.** , Hood A.M., Crosby, L.E., Lesenburger, J., Madan-Swain, A., Rumble, D., Trost, Z. (2019, July). *Depression and anxiety predict pain catastrophizing for children with sickle cell disease*. Poster presented at the Capstone Poster Symposium, Cincinnati Children's Hospital Medical Center.
13. Anam, M.** , Sizemore, K. **, Mansour, H., Seward, J. **, Mitchell, L., Shum, C., Richardson, B., Richards, S., Gustin, S., **Trost, Z.** (2019, April). *Virtual reality walking for neuropathic pain in spinal cord injury: Preliminary efficacy findings*. Published abstract and poster presented at the American Pain Society (APS) 37th Annual Scientific Meeting, Milwaukee, WI.
14. Seward, J. **, Rumble, D., Attridge, N., Stavrinou, D., Moore, D., & **Trost, Z.** (2019, April). *Cognitive Intrusion of Pain as a Mediator of the Relationship between Pain Catastrophizing and Driving Outcomes among Individuals with Chronic Low Back Pain*. Published abstract and poster presented at the American Pain Society (APS) 37th Annual Scientific Meeting, Milwaukee, WI.
15. Alnojeidi, A. *, Seward, J. **, Rumble, D., Attridge, N., Stavrinou, D., & Moore, D., **Trost, Z.** (2019, April). *The mediating effect of anger while driving in pain on the relationship between perceived injustice and driving outcomes among individuals with chronic low back pain*. Published abstract and poster presented at the American Pain Society (APS) 37th Annual Scientific Meeting, Milwaukee, WI.
16. Anam, M.** , Sizemore, K. **, Mansour, H., Seward, J. **, Mitchell, L., Shum, C., Richardson, B., Richards, S., Gustin, S., **Trost, Z.** (2019, March). *Interactive Virtual Reality Walking Treatment for Neuropathic Pain in Spinal Cord Injury: Preliminary Findings*. Published abstract and poster presented at the Society of Behavioral Medicine (SBM) 40th Annual Conference, Washington, DC.
17. Penn, T.* , Sturgeon, J., Goodin, B., Guck, A., Nowlin, L., Martin, K., Scott, W., & **Trost, Z.** (2018, September). *Perceived Injustice as a Mediator of the Relationship between Race and Chronic Low Back Pain Outcomes*. Published abstract and poster presented at the International Association for the Study of Pain (IASP) 17th World Congress on Pain. Boston, MA.
18. Williams, A.E., Miller, M.M.* , Scott, E.L., **Trost, Z.**, & Hirsh, A. (2018, September). *Elements of Pain-Related Injustice Differentially Mediate the Relationship between Pain Intensity and Outcomes in Children with Chronic Pain*. Published abstract and poster presented at the International Association for the Study of Pain (IASP) 17th World Congress on Pain. Boston, MA.
19. Baert, F.* , **Trost, Z.**, McParland, J., Hirsh, A. T., Miller, M. M.* , & Vervoort, T. (2018, August) *"It's not fair!" Parental perceptions of injustice in the interpersonal context of pediatric pain*. Published abstract and poster presented at the 2018 Annual Conference of the European Health Psychology Society. Galway, Ireland.
20. Anam, M.** , Wike, A., Garner, A., Nowlin, L., Wheelis, T.** , Monden, K., Boals, A., & **Trost, Z.** (2018, May). *The impact of injustice appraisals on pain and psychosocial outcomes in an inpatient spinal cord injury rehabilitation program*. Poster presented at the 2nd Annual DHARS Symposium, Birmingham, AL.
21. Alnojeidi, A.** , Seward, J.* , Rumble, D., Gates, M.** , Attridge, N., Stavrinou, D., Moore, D., & **Trost, Z.** (2018, May). *Examining the relationship between driving outcomes and perceived injustice among individuals with chronic low back pain*. Poster presented at the 2nd Annual DHARS Symposium, Birmingham, AL.
22. Seward, J.** , Gates, M.* , Rumble, D., Attridge, N., Stavrinou, D., Moore, D., & **Trost, Z.** (2018, May). *Exploring the Role of Pain Catastrophizing in Driving Behavior among Individuals with Chronic Low Back Pain*. Poster presented at the 2nd Annual DHARS Symposium, Birmingham, AL.
23. France, C., France, J., Thomas, J., Slepian, P.* , Ankawi, B.* , Fox, K.* , **Trost, Z.**, Mitchell, L., Spigner, C.** , Rumble, D., Spivey, S.** , Ness, T., Zielke, M., Hardee, G., Zakhidov, D., Rizzo, J., & Lenox, S. (2018, May). *Racial differences in the effects of a graded-exposure video game on pain and fear of movement among individuals with chronic low back pain*. Published abstract and poster presented at the 9th World Congress of the World Institute of Pain, Dublin, Ireland.
24. Miller, M.* , Williams, A., Scott, E., **Trost, Z.**, & Hirsh, A. (2018, April). *Injustice perceptions predict future functioning in children with chronic pain: A 12-month follow-up*. Published abstract

and poster presented at the 2018 Society of Behavioral Medicine Annual Meeting and Scientific Sessions, LA.

Selected as one of the top 3 finalists for the SBM Pain SIG student awards.

25. Alnojeidi, A.*, Seward, J.**, Rumble, D., Gates*, M.*, Attridge, N., Stavrinou, D., Moore, D., & **Trost, Z.** (2018, April). *Examining the relationship between driving outcomes and perceived injustice among individuals with chronic low back pain*. Published abstract and poster presented at the 2018 Society of Behavioral Medicine Annual Meeting and Scientific Sessions, New Orleans, LA.
26. Spivey, S.**, Atkinson, S.**, Hill, D.**, Cvengros, A.**, Abu-Spetani, A.**, Shum, C., Ballard, Z., Rumble, D., Jones, A., France, S. C., & **Trost, Z.** (2018, April). *Examining Anxiety and Fear Responses During Exposure to a Digital Blood Draw Paradigm*. Published abstract and poster presented at the 2018 Society of Behavioral Medicine Annual Meeting and Scientific Sessions, New Orleans, LA.
27. Seward, J.**, Gates*, M., Rumble, D., Attridge, N., Stavrinou, D., & Moore, D., & **Trost, Z.** (2018, April). *Exploring the role of pain catastrophizing in driving behavior among individuals with chronic low back pain*. Published abstract and poster presented at the 2018 Society of Behavioral Medicine Annual Meeting and Scientific Sessions, New Orleans, LA.
28. Anam, M.**, Wike, A., Garner, A., Nowlin, L., Wheelis, T.**, Monden, K., Boals, A., & **Trost, Z.** (2018, April). *The impact of injustice appraisals on pain and psychosocial outcomes in an inpatient spinal cord injury rehabilitation program*. Published abstract and poster presented at the 2018 Society of Behavioral Medicine, New Orleans, LA.
29. Atkinson, S.**, Rumble, D., & **Trost, Z.** (2018, March). *Examining the effects of tactile stimulation in a virtual blood draw paradigm: A paradigm validation*. Poster presented at the 30th Annual John P. Ost Undergraduate Research Competition. Birmingham, AL.
30. Sherrell, D.* & **Trost, Z.** (2018, March). *Examining the longitudinal association between adolescent pain and alcohol use*. Published abstract and poster presented at the American Pain Society (APS) 36th Annual Scientific Meeting, Anaheim, CA.
31. Seward, J.**, **Trost, Z.**, Attwood, N., Stavrinou, D., & Moore, D. (2018). *Driving behavior in chronic low back pain: a preliminary self-report study*. Published abstract and poster presented at the American Pain Society (APS) 36th Annual Scientific Meeting, Anaheim, CA
32. Anam, M.**, Wike, A., Garner, A., Wheelis, T., Monden, K., Boals, A., Olguin-Aguirre, R.**, Warmann, J.**, Schofield, T.**, & **Trost, Z.** (2018, March). *Examining the role of pain catastrophizing and fear of pain/(re)injury among individuals with recent spinal cord injury*. Poster presented at the 2018 American Pain Society Scientific Summit, Anaheim, CA.
33. Penn, T.*, Owens, M.A.*, White, D., **Trost, Z.**, Merlin, J., & Goodin, B. (2018, March). *Social support buffers the negative influence of injustice perceptions on pain interference in persons living with HIV (PLWH) and chronic pain*. Published abstract and poster presented at the 2018 Scientific Summit of the American Pain Society, Anaheim, CA.
34. Mitchell, L., **Trost, Z.**, Ness, T., Rumble, D.**, France, C., Spigner, C.**, & Zielke, M. (2018, February). *Virtual reality physical activity intervention for chronic low back pain: initial findings from a feasibility study*. Poster presented at Association of Academic Physiatrists, Physiatry '18, Atlanta, GA.
35. **Trost, Z.**, Shum, C., Spivey, S.**, Cvengros, A.**, Atkinson, S.**, Abu-Spetani, A.**, Hill, D.**, Ballard, Z.**, Rumble, D., Jones, A., & France, C. (2017, November). *Development of a virtual exposure paradigm to promote blood donation*, Poster presented at 2017 UAB All Faculty Gathering, Birmingham, AL.
36. Anam, M.**, Entler, K.**, & **Trost, Z.** (2017, November). *Examining the role of injustice appraisals among individuals with spinal cord injury in an inpatient rehabilitation unit*. Poster presented at the Fall 2017 UAB Undergraduate Student Expo, Birmingham, AL.
37. Spivey, S.**, Atkinson, S.**, Hill, D.**, Cvengros, A.**, Abu-Spetani, A., Shum, C., Ballard, Z., Rumble, D., Jones, A., France, S. C., & **Trost, Z.** (2017, November). *Virtual rubber arm illusion as exposure therapy for blood donation phobia*. Poster presented at the Fall 2017 UAB Undergraduate Student Expo, Birmingham, AL.
38. Seward, J.**, Gates, M.**, Rumble, D., Attridge, N., Stavrinou, D., & Moore, D., & **Trost, Z.** (2017, November). *Examining the role of cognitive-affective factors in the context of driving in*

- pain: Preliminary analysis in a chronic low back pain sample.* Poster presented at the UAB 2017 Fall Undergraduate Student Expo, Birmingham, AL.
39. Spigner, C.**, Rumble, D., Mitchell, L., Ness, T., & **Trost, Z.** (2017, November). *Virtual reality gaming intervention for chronic low back pain: initial findings.* Poster presented at the Fall 2017 UAB Undergraduate Student Expo, Birmingham, AL.
 40. Monden, K., Boals, A., Wheelis, T.**, Nowlin, L., Schofield, T., Holtz, K., Olguinn-Aguirre, R., Anam, M., & **Trost, Z.** (2017, September). *Perceived injustice and depressive symptoms following spinal cord injury.* Poster presented at the 2017 Annual Meeting of the Academy of Spinal Cord Injury Professionals, Denver, CO.
 41. Guck, A.*, Vervoort, T., & **Trost, Z.** (2017, September). *Personal pain appraisal and physical exertion when observing pain in others: The moderating role of pain-related fear.* Poster presented at the 2017 Congress of the European Pain Federation, Copenhagen, Denmark.
 42. Baert, F.*, McParland, J., **Trost, Z.**, Hirsh, A., Miller, M.*, & Vervoort, T. (2017, July). *Parental appraisals of injustice in the context of pediatric pain: An interpretive phenomenological analysis.* Poster presented at the 11th International Symposium for Pediatric Pain, Kuala Lumpur, Malaysia.
 43. Mehok, L.**, Miller, M.*, **Trost, Z.**, Nowlin, L.**, Wheelis, T.**, De Ruddere, L.*, Goubert, L., & Hirsh, A. (2017, May). *Pain assessment and activity-related recommendations for chronic pain are influenced by patient gender and weight.* Poster presented at the 2017 Scientific Meeting of the American Pain Society, Pittsburg, PA.
 44. Penn, T.*, Browning, W.*, France, C., Hardee, G., Zielke, M., & **Trost, Z.** (2017, May). *Attitudes toward a virtual reality physical activity intervention among veterans with chronic low back pain.* Poster presented at the 2017 Scientific Meeting of the American Pain Society, Pittsburg, PA.
 45. Bissell, D.*, Ziadni, M., Sturgeon, J., Martin, K.**, Guck, A.*, & **Trost, Z.** (2017, May). *The impact of perceived discrimination, injustice beliefs, and sleep disturbance on anger experience in chronic low back pain.* Poster presented at the 2017 Scientific Meeting of the American Pain Society, Pittsburg, PA.
 46. Overstreet, D.*, Penn, T.*, Browning, W.*, Goodin, B., Martin, K.**, & **Trost, Z.** (2017, May). *Racial differences in appraisal of physical activity among community-dwelling adults with chronic low back pain.* Poster presented at the 2017 Scientific Meeting of the American Pain Society, Pittsburg, PA.
 47. Miller, M.*, Williams, A., Scott, E., **Trost, Z.**, & Hirsh, A. (2017, May). *Pain-related injustice perception, but not catastrophizing, partially mediates the relationship between pain intensity and pain outcomes in children with chronic pain.* Poster presented at the 2017 Scientific Meeting of the American Pain Society, Pittsburg, PA.
- Winner of the 2017 American Pain Society Pediatric Pain SIG Junior Investigator Award, and selected for Pediatric Pain SIG Data Blitz**
48. Browning, W.*, Penn, T.*, Overstreet, D.*, France, C., Richardson, E., & **Trost, Z.** (2017, May). *Examining the relationship between perceived injustice, pain, and psychosocial outcomes among veterans with chronic low back pain.* Poster presented at 2017 Scientific Meeting of the American Pain Society, Pittsburgh, PA.
- Winner of the 2017 American Pain Society Young Investigator Travel Grant**
49. Merriwether, E., Overstreet, D.*, Goodin, B., Sorge, R., & **Trost, Z.** (2017). Body mass index is differentially associated with physical and psychosocial outcomes among men and women with chronic low back pain. *The Journal of Pain*, 18(4), S83
 50. Agtarap, S.*, **Trost, Z.**, Scott, W., Boals, A., & Warren, A.M. (2017, February). *Validating the Injustice Experiences Questionnaire in a diverse sample of traumatic injury: A confirmatory factor analysis.* Poster presented at the 19th Annual Rehabilitation Psychology Conference, Albuquerque, NM.
- Rated as a top student submission and invited for Student Ora Presentation by American Board of Rehabilitation Psychology Program Committee**
51. Wheelis, T.**, Agtarap, S.*, **Trost, Z.**, Boals, A. & Monden, K. (2017, February). *Predicting blame attributions following spinal cord injury: Findings from an inpatient rehabilitation cohort.* Poster presented at the 19th Annual Rehabilitation Psychology Conference, Albuquerque, NM.

52. Gupta, S., Monden, K., & **Trost, Z.** (2017, March). *The role of pain-related fear and pain catastrophizing during acute spinal cord injury*. Poster presented at 2017 American Academy of Pain Medicine Annual Meeting, Orlando, FL.
53. Gupta, S., Wadhwa, V., Jain, S., & **Trost, Z.** (2017, March). *Depression among inpatients with low back pain: Patient characteristics and outcomes*. Poster presented at 2017 American Academy of Pain Medicine Annual Meeting, Orlando, FL.
54. Buelow, M. T., Brunell, A. B., & **Trost, Z.** (2017, January). *Narcissism and the experience of social and physical pain*. Poster presented at the Society for Personality and Social Psychology Conference, San Antonio, TX.
55. Zielke, M., **Trost, Z.**, France, C., & Hardee, G. (2017, February). *Designing a virtual reality graded exposure in a game based intervention for patients with chronic low back pain and high fear avoidance*. (2017, February). E-poster presented at the Society for Simulation in Healthcare Conference, Orlando, FL.
56. Miller, M.*, Scott, E., **Trost, Z.**, & Hirsh, A. (2016, September). *Parent perceptions of injustice about their child's chronic pain*. Poster presented at the International Association for the Study of Pain (IASP) 16th World Congress on Pain, Yokohama, Japan.
57. Newman, A.*, Molzof, H.*, Henson, G.**, Tague, A.**, Guck, A.*, Barnett, M., & **Trost, Z.** (2016, October). *Perceptions of pain invalidation and injustice among individuals with chronic low back pain*. Poster presented at the Association for Behavioral and Cognitive Therapies 50th Annual Convention, New York, NY.
58. Molzof, H.*, Newman, A.*, Tague, A.**, Henson, G.**, Guck, A.*, Barnett, M., & **Trost, Z.** (2016, September). *Validating invalidation: construct validity of the illness invalidation inventory among individuals with chronic low back pain*. Poster presented at the International Association for the Study of Pain (IASP) 16th World Congress on Pain, Yokohama, Japan.
59. Newman, A.*, Molzof, H.*, Henson, G.**, Tague, A.**, Guck, A.*, Barnett, M., & **Trost, Z.** (2016, September). *The role of invalidation in pain, depression, and disability among individuals with chronic low back pain*. Poster presented at the International Association for the Study of Pain (IASP) 16th World Congress on Pain, Yokohama, Japan.
60. Miller, M.*, Scott, E., **Trost, Z.**, & Hirsh, A. (2016, May). *Injustice perceptions predict future functioning in children with chronic pain*. Poster presented at the American Pain Society 35th Annual Scientific Meeting, Austin, TX.
61. Bell, T. R.*, **Trost, Z.**, Van Ryckeghem, D., Scott, W., Guck, A.*, & Vervoort, T. (2016, May). *Perceived injustice explains pain intensity over and above attentional bias*. Poster presented at the American Pain Society 35th Annual Scientific Meeting, Austin, TX.
62. Ticknor, J.**, Warmann, J.**, Wheelis, T.**, Marcus, K.**, Finley, S.*, Wike, A.*, Nowlin, L.**, Driver, S., Monden, K., **Trost, Z.** & Boals, A. (2016, April). *Relationship between depression and anger in spinal cord injury patients*. Poster presented at the Southwestern Psychological Association Annual Convention, Dallas, TX.
63. Agtarap, S.*, Boals, A., Holtz, P.*, Rainey, E. E., Ruggero, C., **Trost, Z.**, & Warren, A. M. (2016, August). *The role of social support and depression one year following traumatic injury*. Poster presented at the 2016 American Psychological Association Annual Convention, Denver, CO.
64. Warmann, J.**, Wike, A.*, Finley, S.*, Marcus, K.**, Ticknor, J.**, Wheelis, T.*, Nowlin, L.*, Monden, K., **Trost, Z.**, & Boals, A. (2016, May). *The impact of event centrality on pain intensity and perceived disability among individuals with spinal cord injury*. Poster presented at the American Pain Society 35th Annual Scientific Meeting, Austin, TX.
65. Marcus, K.**, Wheelis, T.**, Nowlin, L.**, Finley, S.*, Ticknor, J.**, Warmann, J.**, Driver, S., Boals, A., Monden, K., & **Trost, Z.** (2016, February). *Pain-related fear and self-efficacy predict expected sexual function among individuals with spinal cord injury*. Poster presented at the Rehabilitation Psychology 18th Annual Conference, Atlanta, GA.
66. Allison, A.**, Wheelis, T.**, Miller, M.*, Nowlin, L.**, Hollingshead, N.**, de Ruddere, L.*, Goubert, L. Hirsh, A., & **Trost, Z.** (2015, May). *Evidence of racial differences in perception of others' pain*. Poster presented at the 27th annual meeting of the Association for Psychological Science, New York, NY.
67. Cloutier, R.*, Budnar, R.*, Levitt, D.*, Olivares, S.**, Wright, P.**, Tavakoli, K.**, Dalai, M.**, Richardson, M.**, Gee, D.**, **Trost, Z.**, Blumenthal, H., & Vingren, J. (2015, May). *Exploring the relationship between alcohol craving, pain catastrophizing, and self-reported*

- anxiety in the context of experimental back injury*. Poster presented at the 27th annual meeting of the Association for Psychological Science, New York City, NY.
68. Cantu, N.**, Wilson, J.**, Tague, A.**, Olivares, S.**, Guck, A.* & **Trost, Z.** (2015, April). *Ethnic differences in chronic low back pain: Comparison across pain-relevant psychosocial measures*. Poster presented at the Society of Behavioral Medicine (SBM) 36th Annual Conference, San Antonio, TX.
 69. Henson, G.**, Riddel, J.**, Pieracacos, H.**, Van Ryckeghem, D*., Vervoort, T., Guck, A.* & **Trost, Z.** (2015, April). *Examining the relationship between perceived injustice and attentional bias in chronic back pain*. Poster presented at the Society of Behavioral Medicine (SBM) 36th Annual Conference, San Antonio, TX.
 70. Wright, P.**, Nowlin, L.**, Acord, K.**, Guck, A.*, De Ruddere, L., Goubert, L. & **Trost, Z.** (2015, April). *Observation of pain in others impacts subjective appraisal and performance of physical activity*. Poster presented at the Society of Behavioral Medicine (SBM) 36th Annual Conference, San Antonio, TX.
 71. Pinkham, C.**, Martinez, B.**, Guck, A.*, France, C., Kowalsky, J. M.*, & **Trost, Z.** (2015, April). *Psychological variables associated with response to a simulated digital blood draw*. Poster presented at the Society of Behavioral Medicine (SBM) 36th Annual Conference, San Antonio, TX.
 72. Madi, D.**, Pieracacos, H.**, Folorunso, M.**, Novamo, E.**, Ansah, H.**, Scott, W., Guck, A.*, & **Trost, Z.** (2015, April). *Anger mediates the impact of perceived injustice on pain and function in chronic low back pain*. Poster presented at the Society of Behavioral Medicine (SBM) 36th Annual Conference, San Antonio, TX.
 73. **Trost, Z.**, Nowlin, L.**, Guck, A.*, Madi, D.**, & Davis, M.** (2015, May). *Exploring the role of pain-related fear and catastrophizing in response to a virtual reality gaming intervention for chronic low back pain*. Poster presented at the American Pain Society (APS) 34th Annual Scientific Meeting, Palm Springs, CA.
 74. Guck, A.*, Agtarap, S.*, Reynolds, M., Roden-Foreman, K.*, Foreman, M., Warren, A., & **Trost, Z.** (2015, May). *Pain-related fear is associated with pain and functional outcomes in a Level-I trauma sample*. Poster presented at the American Pain Society (APS) 34th Annual Scientific Meeting, Palm Springs, CA.
 75. Wheelis, T.**, Allison, A.**, Miller, M.*, Nowlin, L.**, Hollingshead, N.*, De Ruddere, L., Goubert, L., Hirsh, A., & **Trost, Z.** (2015). Disparities in gender and weight bias toward chronic low back pain patients. *Journal of Pain*, 15 (4), S106.
- Winner of the 2015 Junior Investigator Poster Award from the APS Psychosocial Research SIG**
76. Murray, L.**, Roth, T.*, Wike, A.*, Finley, S.*, Garner, A.*, Hamilton, R. G., Warren, A. M., Monden, K., & **Trost, Z.** (2015). The impact of pain catastrophizing and fear of pain and (re)injury on pain intensity, perceived disability, and recovery expectancies among individuals with spinal cord injury. *Journal of Pain*, 16 (4), S107.
 77. Klakeel, M., Monden, K. R., **Trost, Z.**, Garner, A.*, Wike, A.*, & Hamilton, R. G. (2015, May). *Pain and depression are associated with perceived disability and expectations for injury-related interference in daily life among individuals with spinal cord injury*. Poster presented at the 4th International Spinal Cord Society (ISCos) and Spinal Cord Injury Association (ASIA) Joint Scientific Meeting, Montreal, Canada.
 78. Budnar, R.*, Levitt, D.*, Luk H., Fernandez, A.*, Duplanty, A., Layman, T.*, Blumenthal, H., **Trost, Z.**, & Vingren, J. (2015, May). *Alcohol consumption 24h following eccentric low back muscle damage on muscular performance recovery in untrained individuals*. Poster presented at the Annual Meeting of the American College of Sports Medicine, San Diego, CA.
 79. Garner, A.*, Wike, A.*, Murray, L.**, Roth, T.**, Finley, S.*, **Trost, Z.**, & Monden, K. (2015, February). *Pain catastrophizing and kinesiophobia: Implications for perceived disability and recovery expectancies among adults with spinal cord injury*. Poster presented at the Rehabilitation Psychology 17th Annual Conference, San Diego, CA.
 80. Salisbury, D., Parsons, T., Monden, K., & **Trost, Z.** (2015, February). *Usability assessment of a game-based brain computer interface for adults with spinal cord injury*. Poster presented at the Rehabilitation Psychology 17th Annual Conference, San Diego, CA.

81. Wike, A.* , Murray, L.** , Garner, A.* , Finley, S.** , Roth, T.* , **Trost, Z.**, & Monden, K. (2015, February). *Perceived injustice is associated with physical and psychosocial outcomes among individuals with spinal cord injury*. Poster presented at the Rehabilitation Psychology Conference, San Diego, CA.
82. Guck, A.* , Nowlin, A.** , Acord, K.** , Prindiville, K.** , & **Trost, Z.** (2014, October). *The influence of observational learning on appraisals of painful and threatening aspects of activity among healthy individuals*. Poster presented at Midwest Pain Society (MPS) Annual Scientific Meeting, Chicago, IL.
83. Nowlin, L.** , Madi, D.** , Guck, A.* , Davis, M.** , & **Trost, Z.** (2015, April). *Examining virtual reality gaming for pain-related fear and disability in chronic low back pain*. Poster presented at the Society of Behavioral Medicine (SBM) 36th Annual Conference, San Antonio, TX.
84. Conley, N.** , Guck, A.* , Davis, M.** , Madi, D.** , Nowlin, A.** , & **Trost, Z.** (2014, October). *Examining the feasibility of a virtual reality graded exposure intervention for pain-related fear and disability in chronic low back pain*. Poster presented at the 15th World Congress on Pain (Meeting of the International Association for the Study of Pain), Buenos Aires, Argentina.
85. Scott, W. J., Milioto, M., **Trost, Z.**, & Sullivan, M. (2014, October). *The relationship between perceived injustice and the therapeutic alliance in patients receiving multidisciplinary rehabilitation for persistent pain following injury*. Poster presented at the 15th World Congress on Pain (Meeting of the International Association for the Study of Pain), Buenos Aires, Argentina.
86. Ankawi, B.* , Radice, H., France, A. A., Kowalsky, J.** , **Trost, Z.**, & France, C. (2014). Reducing negative affective reactions to needles using coping statement. *Transfusion*, 54 (S2), 118A.
87. Harrison, J.* , **Trost, Z.**, & Sullivan, M. (2014). Psychological determinants of expectancies for return to work and recovery in Whiplash Associated Disorders. 35th Annual Scientific Meeting of the Canadian Pain Society: May 21, 2014. *Pain Research & Management*, 19(3), 119-125.
88. Allison, A.** , Hollingshead, N.* , De Ruddere, L., Goubert, L., Hirsh, A., & **Trost, Z.** (2014, April). *Evidence of gender disparities in weight and beauty bias toward chronic back pain patients*. Poster presented at the Society of Behavioral Medicine Convention, Philadelphia, PA.
89. Madi, D.** , Pieracacos, H.** , Xie, L.** , Guck, A.* , Goans, C.* , & **Trost, Z.** (2014, April). *Perceived injustice predicts pain, disability, and psychosocial outcomes among individuals with chronic low back pain*. Poster presented at the Society of Behavioral Medicine Convention, Philadelphia, PA.
90. Agtarap, S.* , **Trost, Z.**, Guck, A.* , Reynolds, M., Foreman, M. L., & Warren, A. M. (2014, April). *Perceived injustice predicts psychological distress in a diverse trauma sample*. Poster presented at the Society of Behavioral Medicine Convention, Philadelphia, PA.
91. Scott, W., Milioto, M., McEvoy, A., Garland, R.** , **Trost, Z.**, Bernier, E.** , & Sullivan, M. (2014, May). *Perceived sources of injustice in patients with persistent pain following accidental injury*. Poster presented at the annual meeting of the Canadian Pain Society, Québec, QC.
92. Guck, A.* , **Trost, Z.**, Agtarap, S.* , Reynolds, M., Foreman, M., & Warren, A. (2014). Injustice predicts pain and functional outcomes in a diverse trauma sample. *Journal of Pain*, 15 (4), S106.
93. Garner, A.* , Symcox, J.** , Monden, K. & **Trost, Z.** (2014, April). *Concerns following spinal cord injury: A qualitative study*. Poster presented at Society of Behavioral Medicine Convention, Philadelphia, PA.
94. Guck, A.* , Niermann, A.** , Collier, L.** , Kowalsky, J.* , Parsons, T., France, C., & **Trost, Z.** (2014, April). *Validation of a digital blood draw as a novel and noninvasive in-vivo exposure to blood donation*. Published abstract and poster presented at the Society of Behavioral Medicine (SBM) 35th Annual Conference, Philadelphia, PA.
95. Nowlin, A.** , Voots, N.** , Guck, A.* , & **Trost, Z.** (2014, April). *Examining pain-related fear using a multidimensional appraisal of physical activity*. Poster presented at the Southwest Psychological Association (SWPA) Annual Conference, San Antonio, TX.
96. Agtarap, S.* , Driver, S., Monden, K., **Trost, Z.**, Reynolds, M., & Warren, A. (2014, March). *Predictors of resilience following spinal cord injury during and after rehabilitation stay*. Poster presented at the annual Rehabilitation Psychology conference, San Antonio, TX.
97. Collier, L.** , Pinkham, C.** , Niermann, A.** , Young, M.** , Guck, A.* , Parsons, T., & **Trost, Z.** (2013, November). *Presyncopal reactions to a digital simulation in healthy young adults*. Poster presented at University of North Texas Psychology Research Fair, Denton, TX.

98. Buelow, M., Okdie, B., Brunell, A., & **Trost, Z.** (2014, February). *Social exclusion affects risky decision making*. Poster presented at the International Neuropsychological Society annual conference, Seattle, WA.
99. Martin, L., Hathaway, G.**, Mirali, S., Isbester, K., Niederstrasser, N.*, Slepian, P.*, **Trost, Z.**, Sternberg, W., Sapolsky, R., Levitin, D., & Mogil, J. (2013, April). *Elicitation of empathy for pain in strangers by social stress reduction in mice and humans*. Poster presented at the Annual Meeting of the Canadian Pain Society, Winnipeg, Canada.
100. Bernier, E.**, Scott, W.*, **Trost, Z.**, & Sullivan M. (2013, April). *Just world beliefs moderate the relation between pain-related injustice perceptions and depressive symptoms in chronic pain*. Poster presented at the Annual Meeting of the Canadian Pain Society, Winnipeg, Canada.
101. Scott, W.*, **Trost, Z.**, Bernier, E.**, Garland, R.**, & Sullivan, M. (2013, April) *State anger and anger inhibition differentially mediate the relationship between perceived injustice and chronic pain outcomes*. Poster presented at the Annual Meeting of the American Pain Society, New Orleans, LA.
102. Buelow, M., Brunell, A., Okdie, B., Blaine, A., & **Trost, Z.** (2013, July). *Ostracism negatively affects cognition*. Poster presented at the 2013 the American Psychological Association, Orlando, FL.
103. **Trost, Z.**, Harrison, J., Niederstrasser, N.*, & Sullivan, M. (2013, April). *Determinants of pain catastrophizing following total knee arthroplasty*. Poster presented at the annual meeting of the American Pain Society, New Orleans, LA.
104. **Trost, Z.**, Niederstrasser, N.*, Harrison, J.*, & Sullivan, M. (2013, March). *Determinants of pain-related fear following total knee arthroplasty*. Poster presented at the annual meeting of the Society of Behavioral Medicine, San Francisco, CA.
105. **Trost, Z.**, Niederstrasser, N.*, Phan, V.**, & Sullivan, M. (2012, August). *An experimental investigation of controlled versus and automatic processes in pain expression during acute pain experience*. Poster presented at the 14th World Congress on Pain (Meeting of the International Association for the Study of Pain), Milan, Italy.
106. Vervoort, T., Caes, L.*, Goubert, L., & **Trost, Z.** (2012, August). *Attentional processing of other's facial pain display of pain: An eye-tracking study*. Poster presented at the 14th World Congress on Pain (Meeting of the International Association for the Study of Pain), Milan, Italy.
107. Scott, W.*, **Trost, Z.**, & Sullivan, M. (2012, August). *Perceived injustice is a risk factor for depressive symptoms among individuals with persistent pain following whiplash injury: A prospective, cross-lagged panel design*. Poster presented at the 14th World Congress on Pain (Meeting of the International Association for the Study of Pain), Milan, Italy.
108. Scott, W.*, **Trost, Z.**, & Sullivan, M. (2012, June). *Determining a clinical cut-off score on a measure of pain-related injustice perceptions*. Poster presented at the World Society for Pain Clinicians 15th World Congress of Pain Clinicians, Granada, Spain.
109. **Trost, Z.**, Scott, W.*, Manganelli, L.**, Bernier, E.**, & Sullivan, M. (2012, May). *Elevated pain behavior following experimental manipulation of injustice*. Poster presented at the annual meeting of the American Pain Society, Honolulu, HI.
110. **Trost, Z.**, Scott, W., Bernier, E., Manganelli, L., & Sullivan, M. (2012, April). *The impact of just world beliefs on pain experience following experimental manipulation of injustice*. Poster presented at the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.
111. McGlone, S.*, **Trost, Z.**, Weeks, J., Huckins-Barker, J.*, Lewis, K., & France, C. (2012, April). *Using eye-tracking to examine the relationship between pain attitudes and attention among participants with and without chronic low back pain*. Poster presented at the annual meeting of the Society of Behavioral Medicine, New Orleans, LA.
112. Scott, W.*, **Trost, Z.**, & Sullivan, M. (2012, January). *Perceived injustice prospectively predicts narcotic use in individuals recovering from whiplash injury*. Poster presented at McGill Pain Day, Montreal, QC.
113. **Trost, Z.** Austin, A., Fox, J.**, & Patterson, S. (2011, April). *The effect of attention/coping strategy and pain-related fear on cold pressor pain*. Poster presented at the annual meeting of the Society of Behavioral Medicine, Washington, D.C.
114. **Trost, Z.**, France, C., & Thomas, J. (2011, March). *Pain-related fear impacts movement in the context of experimentally induced pain*. Poster presented at the Annual Meeting of the American Psychosomatic Society, Portland, OR.

115. **Trost, Z.**, France, C., & Thomas, J. (2010, March). *Appraisal of movement and kinematic avoidance in high and low fear participants following delayed onset muscle soreness*. Poster presented at the Annual Meeting of the Society of Behavioral Medicine, Seattle, WA.
116. **Trost, Z.**, France, C., Lange, J.*, & Thomas, J. (2010, March). *Pain-related fear and physical performance following delayed onset muscle soreness*. Poster presented at the annual meeting of the American Psychosomatic Society, Portland, OR.
117. **Trost, Z.**, France, C., & Thomas, J. (2009, November). *Pain-related fear, appraisal, and kinematic avoidance in participants with delayed onset muscle soreness*. Poster presented at the NIH National Graduate Student Research Fair, Bethesda, MD.
118. **Trost, Z.**, Degnovivo, D.**, & France, C. (2009, March). *The effect of weight lifting video primes on anticipated pain and harm ratings in participants with high and low pain-related fear*. Poster presented at the annual meeting of the American Psychosomatic Society, Chicago, IL.
119. Sinclair, K.*, Campbell, T., Carey, P., Langevin, E., Bowsver, B., Tricaso, J., **Trost, Z.**, & France, C. R. (2009, March). *Post-donation motivational interviewing enhances identity as a blood donor and intention to provide a future donation*. Poster presented at the annual meeting of the American Psychosomatic Society, Chicago, IL.
120. France, C., Wissel, M., Ditto, B., France, J., Dickert, T., Rader, A., Sinclair, K.*, McGlone, S.*, **Trost, Z.**, & Hockman, E. (2008). Pre-donation hydration and applied muscle tension combine to reduce vasovagal reactions and enhance donor return. *Transfusion*, 48S, 68A.
121. **Trost, Z.**, France, C., & Thomas, J. (2008, September). *Examination of the Photograph Series of Daily Activities (PHODA) Scale in chronic low back pain patients with high and low kinesiophobia*. Poster presented at the annual meeting of the Midwest Pain Society, Chicago, IL.
122. France, C., Wissel, M., Ditto, B., France, J., Rader, A., Sinclair, K.*, McGlone, S.*, **Trost, Z.**, Hockman, E., & Hammers, D. (2008, August). *Hydration and repeated leg lifting enhance the blood donation experience*. Poster presented at the annual meeting of the American Psychological Association, Boston, MA.
123. **Trost, Z.**, France, C., Thomas, J., Lavender, S., & Johnson, M. (2008, May). *Fear impacts movement at the chronic and subacute stages of back pain*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
124. Huckins, J.*, **Trost, Z.**, de Groot, M., Bianco, J., & Presutti, L. (2008). Integrated primary care psychology services in an Appalachian community sample: Preliminary results from the interdisciplinary rural mental health training program. *Society of Behavioral Medicine, Rapid Communication Abstracts*, 22.
125. **Trost, Z.**, & France, C. (2008). Validation of the Photograph Series of Daily Activities Scale in a chronic low back pain sample. *Society of Behavioral Medicine, Rapid Communication Abstracts*, 22.
126. **Trost, Z.**, France, C., & Thomas, J. (2007). Kinesiophobia and generalization following exposure to movement in chronic back pain. *The Journal of Pain*, 8, Sa54.
127. Vaschillo, E., Vaschillo, B., Bates, M., Lehrer, P., France, C., & **Trost, Z.** (2007). Rhythmical muscle tension mimics heart rate variability biofeedback. *Applied Psychophysiology and Biofeedback*, 32, 132-133.
128. France, C., Montalva, R.*, France, J., **Trost, Z.**, Hammers, D.*, McGlone, S.*, Sinclair, K.*, & Fazenbaker, K.** (2007). Validating donor recruitment materials: Education in coping strategies enhances attitudes and intentions. *Transfusion*, 47, S118 A.
129. **Trost, Z.**, France, C., & Thomas, J. (2006, May). *Exposure to movement in chronic back pain: Fear impacts expectation and experience*. Poster presented at the annual meeting of the Association for Psychological Sciences, New York, NY.
130. **Trost, Z.**, France, C., & Thomas, J. (2006). Kinesiophobia predicts future disability in subacute low back pain. *Annals of Behavioral Medicine*, 33, S183.

TEACHING EXPERIENCE

INSTRUCTOR OF RECORD

Summer 2021

Spring 2018 - Fall 2018

Summer Research Praxis (Undergraduate), Smith College

PY 490 Psychology Capstone (Undergraduate), UAB

Spring 2017	PY 316 Research Methods in Psychology (Undergraduate), UAB
Fall 2015	PY 253 2C Brain, Mind and Behavior (Undergraduate), UAB
Fall 2012 - Spring 2015	PSYC 2580 Health Psychology (Undergraduate), UNT
Fall 2013 - Spring 2015	PSYC 2950 Experimental Methods (Undergraduate), UNT
Spring 2013	PSYC 6400 Clinical Research Methods (Graduate), UNT
Spring 2006	Theories of Personality, Ohio University

INDIVIDUAL STUDY

Spring 2018	RHB 790 – 00M Rehabilitation Science Research Project (1 enrolled)
Spring 2018	PY396 Teaching Practicum in Psychology (1 enrolled)
Fall 2017	RHB 790 – OC3 Rehabilitation Science Research Project (1 enrolled)
Spring 2017	PY396 Teaching Practicum in Psychology (2 enrolled)

THESES AND DISSERTATIONS CHAIRED

Graduate

1. Alnojeidi, A. (2021). Injustice Appraisals in Arab Americans with Chronic Low Back Pain. Dissertation. University of Alabama at Birmingham, Rehabilitation Science.
2. Sherrell, D. (2021). Psychosocial Adjustment of Dyads in Sickle Cell Disease. Master's Thesis. University of Alabama at Birmingham, Psychology.
3. Penn, T.A. (2018). Examining the Role of Injustice Perception in a Multiethnic Sample of Individuals with Chronic Low Back Pain. Master's Thesis. University of Alabama at Birmingham, Psychology.
4. Guck, A. J. (2017). The Role of Observational Learning Role of Pain-related Fear on Pain Appraisal and Activity Avoidance Following Acute Injury. Dissertation. University of North Texas, Psychology.
5. Bell, T. (2016). Meta-Analysis of Cognitive Functioning in Fibromyalgia. Master's Thesis. University of Alabama at Birmingham, Psychology.
6. Garner, A. (2015). Role of Injury-related Injustice Perception in Adjustment to Spinal Cord Injury: An Exploratory Analysis. Dissertation. University of North Texas, Psychology.

Undergraduate

1. Spivey, S. (2019). Further Validation of a Digital Embodiment Blood Draw Paradigm. Completed undergraduate honor's thesis. University of Alabama at Birmingham.
2. Spigner, C. (2018). Virtual Exposure Intervention for Individuals with Chronic Low Back Pain and High Movement-related Fear. Completed undergraduate honor's thesis. University of Alabama at Birmingham.
3. Anam, M. (2018). Preliminary Validation of a Virtual Walking Intervention in Individuals with Chronic Neuropathic Pain following Spinal Cord Injury. Completed undergraduate honor's thesis. University of Alabama at Birmingham
4. Abu-Spetani, A. (2018). Further Validation of the Digital Blood Draw Simulation. Completed undergraduate honor's thesis. University of Alabama at Birmingham.
5. Atkinson, S. (2018). Examining the effects of tactile stimulation: Validating the digital blood draw paradigm. Completed undergraduate honor's thesis. University of Alabama at Birmingham.
6. Gates, M. (2017). Mediating Effects of Chronic Low Back Pain and Psychological Problems on Driving Ability. Completed undergraduate honor's thesis. University of Alabama at Birmingham.
7. Niermann, A. (2014). A Digital Blood Draw as a Novel and Noninvasive In-vivo Exposure to Blood Donation. Completed undergraduate honor's thesis. University of North Texas.
8. Prindivile, K. A. (2013). The Impact of Pain-related Fear on Physical Exertion Appraisals in Healthy Individuals. Completed undergraduate honor's thesis. University of North Texas.
9. Voots, N. (2013). The Impact of Observational Learning and Pain-related Fear on Performance of a Can-lift Task. Completed undergraduate honor's thesis. University of North Texas.

THESES AND DISSERTATIONS COMMITTEE

1. Frederic, S. (2022). FWO Project: Examining the Phenomenology, Impact, and Underlying Mechanisms of Child Appraisals of Injustice in the Context of Pain. University of Ghent, Belgium.

2. Baert, F. (2021). BOF Project: It's not Fair: Emotion Dynamics and Impact of Parental Appraisals of Injustice in Pediatric Pain. University of Ghent, Belgium.
3. Burgess, B.E. (2018). Religiosity and Spirituality as Predictors of Substance Use in Patients with Cystic Fibrosis. Thesis Proposal. University of Alabama at Birmingham
4. Newman, A., (2016) Psychosocial Factors of Health Care Utilization and Opioid Prescriptions for Chronic Pain in Rural Settings. Thesis Defense. University of Alabama.
5. Wilkerson, A., (2014). Cognitive Performance as a Function of Sleep Disturbance in the Postpartum Period. Dissertation Defense. University of North Texas.

AWARDS TO SUPERVISED STUDENTS

- 2019 UAB OST Research Competition, 1st Place (Monima Anam)
- 2019 UAB Video Research Awards, 1st Place (Monima Anam)
- 2019 UAB Undergraduate Expo Oral Presentations, 3rd Place (Monima Anam)
- 2019 UAB Honors College Enrichment Award (Monima Anam)
- 2018 Society of Behavioral Medicine Pain SIG Student Award finalist (Megan Miller)
- 2017 American Pain Society Young Investigator Travel Grant (Wesley Browning)
- 2017 Top student presentation and invited for Student Oral Presentation by American Board of Rehabilitation Psychology Program Committee (Stephanie Agtarap)
- 2017 American Pain Society Pediatric Pain SIG Junior Investigator Award and Selection for Pediatric Pain SIG Data Blitz (Megan Miller)
- 2017 Sunil Sengupta VA Student Research Travel Award, Division 22 of the APA (Stephanie Agtarap)
- 2016 Graduate Student Research Day Presentation Award, 2nd Place, University of Alabama at Birmingham (Tyler Bell)
- 2016 Winner of UAB 3-Minute Thesis, University of Alabama at Birmingham (Tyler Bell)
- 2016 Top 3 student abstract submission, selected for presentation, 2016 University of Alabama at Birmingham Pain Symposium (Demario Overstreet, Terrence Penn)
- 2015 Junior Investigator Poster Award, American Pain Society Psychosocial Research SIG (Tori Wheelis)
- 2014 Raupe Travel Grant, University of North Texas (Stephanie Agtarap)

RESEARCH MENTORSHIP AND SUPERVISION

Junior Faculty

2020 – Current

Research mentorship of Assistant Professor (Peterson) - VCU Department of Engineering (SCI rehabilitation)

Research mentorship of Assistant Professor (Crouch) - VCU Department of Psychiatry (Chronic pain and addiction)

Research mentorship of Assistant Professor (Oldham) - VCU Department of PM&R (TBI rehabilitation)

Research mentorship of Assistant Professor (Touchette) - Houston VAMC

Graduate and Postdoctoral

2019 –Current

Supervision of 2 Medical Students, VCU

Supervision of 1 Doctoral Student, Rehabilitation Sciences PhD Program, UAB

Mentorship of 1 Postdoctoral Fellow, UAB

Mentorship of 1 Doctoral Student, Physical Therapy, NYU

2012 – 2019

Supervision of 5 Graduate Students, Psychology Department, UAB

Supervision of 3 Graduate Students, Rehabilitation Sciences PhD Program, UAB

Supervision of 4 Residents, UAB Department of Physical Medicine and Rehabilitation (PM&R)

Supervision Medical Student, PM&R, UAB

Supervision of 2 Postdoctoral Fellows, UAB, Psychology Department, PM&R

Supervision of 2 Graduate Students, Psychology Department, University of Alabama

Supervision of Graduate Student, Department of Experimental-Clinical and Health Psychology,
University of Ghent

Supervision of 5 Doctoral-level Graduate Students, Department of Psychology, UNT

2010 – 2011

Supervision of Master's Thesis, McGill University, in collaboration with University of Maastricht, the Netherlands

Undergraduate

2019 – Current Supervision of 4 Undergraduate Students, VCU
Supervision of 2 Undergraduate Students, Smith College

2015 – 2019 Supervision of 19 Undergraduate Students, UAB

2012 – 2015 Supervision of 50 Undergraduate Students, UNT

2012 – 2015 Supervision of 3 High School Students, UNT

2010 – 2012 Supervision of 9 undergraduate honor's theses, McGill University

2005 – 2009 Supervision of 10 undergraduate research assistants, Ohio University

GRANT ACTIVITY

ONGOING RESEARCH SUPPORT

- | | | | |
|----|---|---------------------|---------------------------|
| 1. | DOD Spinal Cord Injury Research Program
Clinical Trial Award | 03/01/23 – 04/30/26 | Trost (PI) |
| | \$1,500,000
<i>A Pilot Trial to Examine Immersive Virtual Walking at Treatment for Neuropathic Pain in Incomplete Spinal Cord Injury</i>
This study will append a pilot clinical trial to the ongoing clinical trial of virtual walking targeting only individuals with complete injury. The proposed trial will examine efficacy of the virtual walking intervention among individual who have an incomplete injury.
Role: PI | | |
| 2. | Wings for Life | 07/01/22 - 6/30/23 | Gustin (PI), Trost (Co-I) |
| | €199,760
<i>Combining Immersive Haptic Virtual Reality and Spinal Transcutaneous Electrical Stimulation to Restore Somatosensory Perception in Complete Spinal Cord Injury.</i>
The proposed intervention will further integrate related haptic, volitional, and embodiment VR capabilities with spinal transcutaneous electrical stimulation (tES) to simultaneously modulate the functionality of the surviving spinal sensory nerve fibers and enhance somatosensory (touch) signals in the brain in an effort to restore touch perception among individuals with “discomplete” SCI.
Role: Co-I | | |
| 3. | VCU Quest Research Fund | 07/01/22 - 12/31/23 | Oldham, Trost (MPI) |
| | \$50,000
<i>An Immersive Dynamic Virtual Ambulation Platform to Reduce Risk of Injury Following Sports-Related Concussion</i>
This project will develop, as well as examine the safety and feasibility of a VR ambulation platform in a sample of individuals with recent sports-related concussion.
Role: MPI | | |
| 4. | DOD Spinal Cord Injury Research Program
Investigator-Initiated Award | 8/01/22 - 7/31/25 | Peterson, Trost (MPI) |
| | \$500,000 (direct)
<i>Home-Based Immersive Virtual Reality and Spinal Stimulation for Upper Limb Rehabilitation in Tetraplegia</i>
This project will pair VR-facilitated upper limb rehabilitation and noninvasive spinal stimulation with the aim to improve upper extremity function among individuals with tetraplegia.
Role: MPI | | |

5.	National Institute on Disability & Rehabilitation Research	10/1/21 – 09/30/26	Gorgey (PI), Trost (Co-PI)
	\$2,449,928		
	<i>Virginia Consortium for Spinal Cord Injury Care</i>		
	Objectives of this Model Systems project are to: (1) evaluate the efficacy of home-based, blood flow restriction-enhanced, neuromuscular, electrical stimulation with or without transspinal stimulation on upper extremity function in people with tetraplegia; (2) enroll and follow a diverse group of people with traumatic SCI in the National SCIMS database; (3) lead module research to accelerate equitable care and outcomes for people from racial and ethnic minority groups with traumatic SCI; and (4) translate site specific and collaborative research findings into usable, accessible, and inclusive products for clinicians, consumers and the general public.		
	Role: Co-PI		
6.	Virginia Department for Aging and Rehabilitative Services	07/01/21-06/30/23	Peterson, Trost (MPI)
	\$450,000 (direct costs)		
	<i>Immersive Virtual Reality and Noninvasive Spinal Stimulation to Promote Arm Function in Individuals with Tetraplegia</i>		
	This project will develop a telehealth application that combines VR-mediated rehabilitation and noninvasive spinal stimulation to facilitate improvement in upper extremity function among individuals with tetraplegia.		
	Role: MPI		
7.	VHA HSR&D, Pain/Opioid CORE Rapid Start Funding Program.	01/01/21-12/30/22	Fowler (PI), Trost (Co-I)
	\$29,994 (direct costs)		
	<i>Development of A Virtual Reality Toolbox for Chronic Pain Self-Management among Veterans</i>		
	Role: Co-I		
8.	Craig H. Neilsen Foundation Postdoctoral Fellowship (Dr. Negin Hesam Shariati)	09/30/20 - 9/29/22	Trost (PI Mentor)
	\$150,000 (direct costs)		
	<i>Developing and Testing a Brain-Computer Interface for Neuromodulation to Reduce Pain after Spinal Cord Injury</i>		
	This award supports Dr. Hesam Shariati in developing a prototype for a brain computer interface to facilitate interactive neuromodulation as an intervention to reduce neuropathic pain following SCI.		
	Role: PI Mentor		
9.	New South Wales Health Ministry Spinal Cord Injury Research Grants Program	06/01/20 - 05/31/25	Gustin, Trost (MPI)
	\$2,500,000(AUS)		
	<i>RESTORE: Immersive Virtual Reality Treatment for Restoring in People with Discomplete Paraplegia</i>		
	This award will support development and clinical testing of virtual haptic interface to promote touch sensation among individuals identified as having discomplete spinal cord injury.		
	Role: MPI		
10.	DOD Spinal Cord Injury Research Program Clinical Trial Award	10/01/20 - 09/31/24	Trost (PI)
	\$3,800,000 (direct and indirect costs)		
	<i>A Multisite Randomized Clinical Trial to Examine the Efficacy and Mechanisms of Immersive Virtual Walking Treatment for Neuropathic Pain in Spinal Cord Injury</i>		
	This award will support a multi-site clinical trial to examine the efficacy and cortical mechanisms of an immersive interactive VR walking treatment for individuals with spinal cord injury and neuropathic pain.		
	Role: PI		

RESEARCH SUPPORT UNDER REVIEW

1.	R21/R33 National Institute of Drug Abuse	07/01/23 – 06/30/28	Fraenkel (PI)
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- \$1,025,000
Virtual Reality at the Point of Care to Increase Uptake of MOUD in the ED
 This is a two phase study which will first develop and then test a virtual reality intervention to be delivered to individuals who arrive in the ED with an opiate overdose. The VR intervention is intended to facilitate adaptive decision-making.
 Role: Co-I
-
2. DOD Spinal Cord Injury Research Program 03/01/23 – 04/30/26 Finley (PI)
 Translational Research Grant
-
- \$1,250,000
Improving Cardiometabolic Health in Individuals with SCI Using Home-based Interactive Virtual Gaming.
 The proposed study aims to develop and to examine the safety and feasibility of a home-based virtual reality exercise gaming platform for individuals with spinal cord injury.
 Role: Co-PI
-
3. DOD Chronic Pain Research Program 04/01/22 - 03/31/23 Trost (MPI)
 Investigator Initiated Award
-
- \$900,000 (direct costs)
Combining Mindfulness-based Movement Therapy and Virtual Reality to Treat Chronic Low Back Pain
 The proposed project brings together research programs headed by Drs. Zina Trost and Minjung Shim, which have successfully leveraged cutting-edge virtual reality platforms and complementary treatment modalities (i.e., Mindfulness-based Movement Therapy) to address central physical and psychosocial mechanisms in chronic low back pain.
 Roles: MPI
-

COMPLETED RESEARCH SUPPORT

-
1. Commonwealth Neurotrauma Initiative 07/01/18 - 06/30/22 Trost (PI)
 Grant
-
- \$450,000
Virginia Spinal Cord Injury Outreach Services Database
 This project is a collaboration with 7 community partners and service providers for Virginians with SCI. The goal of this project is to develop a database of medical and psychosocial outcomes for Virginians with SCI in order to improve service delivery and access to services while characterizing trends in community reintegration and wellness among Virginians with traumatic SCI.
 Role: PI
-
2. VCU Value and Efficiency Teaching and Research (VETAR) Award 07/01/20 – 04/01/22 Trost, Peterson (MPI)
-
- \$71,250 (direct costs)
Using Haptic Virtual Reality and Noninvasive Brain Stimulation to Restore Touch Perception Among Individuals with Complete Paraplegia
 This project will combine a novel virtual haptic interface with noninvasive brain stimulation (transcranial direct current stimulation) to promote touch sensation among individuals with paraplegia identified as having discomplete spinal cord injury using an imaging protocol.
 Role: MPI
-
3. UAB Health Services Foundation General Endowment Fund: Medical Education Initiative 11/01/19 - 10/31/21 Trost, Meese (MPI)
-
- \$100,000 (direct)
Improving Learner Performance and Resilience via Virtual Reality Stimulation.
 The project will develop a large-scale VR simulation platform to prepare medical trainees for stressful clinical scenarios, specifically addressing stress resilience, reducing patient risk and improving trainees' mental health outcomes.
 Role: Co-PI
-
4. Research Foundation of Flanders (FWO) 01/01/18 - 12/31/21 Vervoort, Trost (MPI)
-

	€ 222,057		
	<i>Examining the Phenomenology, Impact, and Underlying Mechanisms of Child Appraisals of Injustice in the Context of Pain</i>		
	This grant provides support for a graduate student over a 4-year period to complete a series of studies to examine emotion dynamics and impact of pediatric pain appraisals.		
	Role: MPI		
5.	Ghent University Special Research Fund (BOF)	01/01/17 - 01/21/21	Vervoort, Trost (MPI)
	€ 225,000		
	<i>It's not Fair: Emotion Dynamics and Impact of Parental Appraisals of Injustice in Pediatric Pain</i>		
	This grant funds a graduate student to complete a series of studies to examine emotion dynamics and impact of parental appraisals of injustice in the context of pediatric pain.		
	Role: MPI		
6.	College of Arts and Sciences Interdisciplinary Innovation Team Award	02/01/19 – 01/31/20	Trost, Meese (MPI)
	\$30,000 (direct costs)		
	<i>Development of a Virtual Reality Simulation to Improve Healthcare Performance in High-Risk Emergency Contexts</i>		
	The project aims to develop and test an immersive virtual simulation platform to prepare medical trainees for real-world clinical scenarios, thus enhancing preparedness and reducing patient risk.		
	Role: Co-PI		
7.	Health Services Foundation General Endowment Fund	11/01/18-10/31/20	Brown (PI)
	\$192,000 (direct costs)		
	<i>Post-Stroke Walking and Balance Recovery Clinical Research Unit</i>		
	This project will develop a Clinical Research Unit (CRU) at UAB Spain Rehabilitation Center that will focus on development and testing of innovative assessment and intervention strategies to improve patient outcomes for people post-stroke.		
	Role: Co-I		
8.	UAB Center for Clinical and Translational Science Radiology Pilot Grant	04/01/18 - 03/31/20	Trost (PI)
	\$15,000		
	<i>Immersive Virtual Walking as Treatment for Neuropathic Pain in Spinal Cord Injury: A Pilot Investigation of Treatment Efficacy and Cortical Mechanisms</i>		
	This study proposes to collect neuroimaging data prior to and following a novel virtual reality intervention for neuropathic pain in spinal cord injury.		
	Role: PI		
9.	Craig H. Nielsen Foundation Translational Research Grant	09/30/16 - 06/29/19	Trost (PI)
	\$300,000		
	<i>Interactive Immersive Virtual Reality Walking for SCI Neuropathic Pain</i>		
	This study develops an interactive immersive virtual reality interface to allow individuals with spinal cord injury control of virtual legs with the aim to reduce neuropathic pain.		
	Role: PI		
10.	NIH/NIDA 1R34DA040954	07/01/16 - 06/30/19	Trost, Zielke, France (MPI)
	\$262,816		
	<i>Development of a Virtual Reality Graded Exposure Intervention for Low Back Pain</i>		
	This treatment development project examines safety and feasibility of a home-based virtual reality game for graded exposure to feared movements in people with back pain.		
	Role: MPI		
11.	Small Business Innovation Research Grant 1R43HD093522-01	07/01/17 - 12/31/18	Christian (PI)

	\$150,000		
	<i>Mixed Reality Gaming Combined with a Novel Treadmill for Low Back Pain</i>		
	The project capitalized on advances in mixed-reality gaming technologies and robotic treadmill systems to develop a VR-gaming walking platform for individuals with chronic low back pain informed by an established therapeutic modality for fear/avoidance in LBP.		
	Role: Co-I		
12.	NIH/NIMHD 1R01MD010441-01	06/01/17 - 05/31/22	Goodin (PI)
	\$1,573,073		
	<i>Racial and Socioeconomic Differences in Chronic Low Back Pain</i>		
	The goal of this project is to determine whether laboratory measures of endogenous pain modulation in conjunction with biobehavioral and psychosocial factors help explain racial and socioeconomic group differences in clinical pain and disability among Blacks and Whites with chronic low back pain.		
	Role: Co-I		
13.	International Association for the Study of Pain	08/01/18 - 08/01/19	Gustin, Trost (MPI)
	Collaborative Research Grant		
	\$15,000		
	<i>Identifying Cortical Mechanisms of Virtual Reality Walking Intervention for Neuropathic Pain in Spinal Cord Injury</i>		
	This award facilitates international travel and collaboration on an ongoing program of research between the University of Alabama at Birmingham in the US and the University of New South Wales in Sydney, Australia.		
	Role: Co-PI		
14.	DoD Spinal Cord Injury Research Program, Clinical Research Development Award	09/30/18 - 09/29/19	Trost (PI)
	\$150,000 (direct and indirect)		
	<i>Immersive Virtual Walking as Treatment for Neuropathic Pain in Spinal Cord Injury: Examining Treatment Efficacy and Cortical Mechanisms</i>		
	This award will facilitate the establishment of an international collaboration for a clinical trial for neuropathic pain following SCI that includes VR and cortical imaging.		
	Role: PI		
15.	UAB Faculty Development Grant	08/01/16 - 09/30/17	Trost (PI)
	\$10,000		
	<i>Using a Virtual Exposure Paradigm to Promote Blood Donation</i>		
	This project tested a virtual arm illusion paradigm that simulated the experience of blood donation for individuals who are interested in donating blood.		
	Role: PI		
16.	UAB-Lakeshore Collaborative Grant	06/01/16 - 05/31/17	Misko, Trost (MPI)
	\$49,995		
	<i>Using Immersive Virtual Technology to Facilitate Exercise Engagement</i>		
	This project developed an interactive virtual reality interface to facilitate a more enjoyable/engaging exercise experience for individuals with physical disabilities.		
	Role: MPI		
17.	Craig Hospital Foundation Grant	01/01/17 - 12/31/18	Monden (PI)
	\$18,360		
	<i>Sources of Injustice among Individuals Living with Spinal Cord Injury</i>		
	This internal award collects qualitative data regarding spinal cord injury (SCI)-related injustice appraisals among individuals with chronic SCI.		
	Role: Co-I		
18.	Craig Hospital Foundation Grant	01/01/17 - 12/31/18	Monden (PI)
	\$47,524		
	<i>Validating the Injustice Experience Questionnaire in a Spinal Cord Injury Sample</i>		
	This internal grant collects quantitative and qualitative data to provide the first psychometric validation of the Injustice Experience Questionnaire in an SCI sample.		

	Role: Co-I		
19.	North American Spine Society Clinical Young Investigator Grant	11/01/15 - 10/31/17	Trost (PI)
	\$46,300 <i>Virtual Reality Graded - Exposure Gaming Intervention for Chronic Back Pain</i> This study developed a novel virtual reality gaming interface to facilitate exposure to feared physical activity among individuals with chronic low back pain. Role: PI		
20.	American Pain Society Sharon Keller Chronic Pain Research Grant	10/15/15 - 05/19/17	Trost (PI)
	\$35,000 <i>Examining a Virtual Reality Graded-Exposure Gaming Intervention for Chronic Back Pain</i> This study developed a novel virtual reality gaming interface to facilitate exposure to feared physical activity among individuals disabled by chronic low back pain. Role: PI		
21.	International Association for the Study of Pain Collaborative Research Grant	07/01/15 - 06/30/17	Vervoort, Trost (MPI)
	\$14,820 <i>It's not Fair: Emotion Dynamics and Impact of Parental Appraisals of Injustice in Pediatric Pain</i> This study facilitates international research planning between five universities (University of Alabama at Birmingham, Ghent University, University of Oxford, Dalhousie University, Glasgow Caledonian University) to examine emotion dynamics and parental appraisals of injustice in pediatric pain. Role: MPI		
22.	University of North Texas Scholarly and Creativity Award	01/01/15 - 08/31/15	Trost (PI)
	\$5,000 <i>Examining the Impact of Perceived Injustice in Spinal Cord Injury</i> This longitudinal study examined the impact and trajectory of injustice appraisals among individuals with spinal cord injury. Role: PI		
23.	University of North Texas Research Opportunity Grant	09/01/13 - 08/31/14	Trost, Vingren, Blumenthal (MPI)
	\$7,500 <i>An Experimental Examination of Relations among Anxiety Sensitivity, Pain Experience, Alcohol Consumption, and Muscle Recovery</i> This project examined alcohol consumption as a function of anxiety sensitivity in response to pain experience, and the effect of alcohol on pain and muscle recovery following exercise-induced soreness. Role: MPI		
24.	University of North Texas Research Opportunity Grant	09/01/13 - 08/31/14	Trost, Parsons (MPI)
	\$7,500 <i>Virtual Reality Exposure Therapy for Pain-related Fear and Disability</i> This proof-of-concept study examined the utility of graded exposure for disabled individuals with chronic low back pain using an interactive virtual gaming interface. Role: MPI		
25.	University of North Texas Research Opportunity Grant	09/01/13 - 08/31/14	Trost (PI)
	\$6,900 <i>Validation of a Digital Arm as a Novel and Noninvasive Method of Exposure to Blood Donation</i> This study examined the feasibility of generating the illusion of digital arm ownership with accompanying blood draw in order to adapt this technology for exposure-based treatment. Role: PI		

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26. International Association for the Study of Pain Early Career Research Grant 01/14/13 - 08/31/14 Trost (PI)
\$20,000
The Role of Perceived Injustice in Pain and Disability
This project examined the impact of perceived pain-related injustice in a community sample as well as in healthy participants following an injustice-manipulation during an experimental pain task.
Role: PI
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27. University of North Texas Research Initiation Grant 01/01/13 - 12/31/13 Trost (PI)
\$8,700
Examining the Role of Injustice Perception on Pain and Disability in a Diverse Community Sample
This project examined the impact and interaction of perceived pain-related injustice and racial discrimination in an ethnically diverse community sample with chronic low back pain.
Role: PI
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- Additional Funding**
-
- | | |
|---------|--|
| 2013 | University of North Texas Junior Faculty Summer Research Fellowship, \$5,000 |
| 2013 | International Association for the Study of Pain Early Career Travel Grant |
| 2012 | Fonds de Reserche du Quebec - Santé: Fellowship for Foreign Postdoctoral Candidates, \$60,000CAD (declined due to academic employment) |
| 2011-12 | Departmental Travel Grant for collaborative research with University of Ghent and Leuven, \$3,000CAD |
| 2011-12 | American Pain Society Young Investigator Travel Grant, \$2,000 |

PROFESSIONAL AFFILIATIONS AND SERVICE

EDITORIAL SERVICE

Editorial Board, Journal of Pain (appointed July 2022)
 Editorial Board, Health Psychology (appointed August 2022)
 Consulting Editor, Annals of Behavioral Medicine (appointed January 2015)
 Editorial Board, International Journal of Behavioral Medicine (appointed May 2017)

REVIEWER: GRANTS

2022 - Current	Reviewer for Department of Defense – Congressional Medical Research Program
2019 - Current	Reviewer for NIAMS BACPAC Research Program
2014 - Current	Reviewed 12 Pegasus Marie Curie Postdoctoral Fellowships and Research Projects (Research Foundation Flanders, FWO; *equivalent to NIH F32 and R-level grants)
2014	Methusalem Program, Leuven, Belgium
2014	Health Research Board Interdisciplinary Enhancement (ICE) Awards, Ireland
2015	Melzack and Bushnell Fellowships in Chronic Pain Research, McGill University, Canada

REVIEWER: CONFERENCE SUBMISSION

2011- Current	Reviewer for Society for Health Psychology (Division 38) and Society for Behavioral Medicine conference poster submissions
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REVIEWER: JOURNALS

Pain, Annals of Behavioral Medicine, Journal of Orthopedic Trauma, European Journal of Pain, Journal of Behavioral Medicine, BMC Musculoskeletal Disorders, Clinical Journal of Pain, Journal of Psychosomatic Research, Clinical Rheumatology, Journal of Pain, Pain Medicine, PLoS ONE; JMIR Serious Games

Service to the Department

2019 -	Member of Center for Rehabilitation Science and Engineering (CERSE)
2019 -	Member of Innovation Gateway

2019 - 2018	Member of Research Coordinator Hiring Committee Hosted Workshops for Girls in Science and Engineering Day (2018, May) Department of Psychology, UAB
2017 - 2020	PAIN Collective (Psychology Advanced Interdisciplinary Nociception Collective), Psychology Department, UAB.
2017 - 2020 2016 - 2018	UAB Psychology Department SONA Action Group Admissions Committee, Behavioral Neuroscience Graduate Program, Department of Psychology, UAB
2016 - 2018	Admissions Committee, Medical/Clinical Psychology Graduate Program, Department of Psychology, UAB
2013 - 2014 2009	<u>Co-Chair</u> , Health Psychology Research Group, University of North Texas Health Psychology Search Committee Clinical Student Representative, Ohio University

Service to the University

2020 -	Spokesperson for VCU Innovation Gateway
2021 -	VCU Chronic Pain Research Interest Group
2022 -	VCU Autonomic Disorders Discussion Group
2018 - 2020	UAB-Lakeshore Collaborative Research Space (Wallace) Committee
2017 - 2020	UAB-Lakeshore Research Advisory Committee
2017	Panel Discussant, Inaugural Symposium of the UAB Health and Disability Science Center (2017, January),
2017	Speaker UAB Neuroscience Roadmap Scholars Program, UAB (2017, October)
2017	Interviewed Faculty Candidates and Aided Recruitment for Rehabilitation Science, Departments of Physical Therapy and Occupational Therapy, UAB
2017 - 2020	UAB Institute for Human Rights
2017 - 2020	Women in STEM, UAB
2017 - 2020	UAB Spinal Cord Injury Recruitment Action Group
2016 - 2020	UAB Center for Disability Health and Rehabilitation Science (DHARS)
2017 - 2020	UAB Comprehensive Neuroscience Center
2009 - 2010	Diversity Advancement Committee, University of Washington Medical Center Psychology Internship
2007 - 2009	Student Health & Counseling Advisory Committee, International Student Representative, Ohio University

Service to the Profession/Field

2023 - 2018	Member of VR Consensus (On Core VR Outcomes in Pain Research) Group Workshop group leader, VR in Therapy and Rehabilitation Design Jam. Denton, TX (2018, February)
2017 - 2020	Designed and administered online survey <i>Leadership Training Needs of Psychologists in Academic and Community Medical Centers, Hospitals, and Health Settings Survey</i> for APA Committee on Division/APA Relations (CODPAR; Society for Health Psychology, Association of Psychologists in Academic Health Centers, Society for Pediatric Psychology, Society for Rehabilitation Psychology, Society for Clinical Neuropsychology, Society of Counseling Psychology)
2015	<u>Founder</u> and <u>Society for Health Psychology Representative</u> , Health Behavior International Collaborative Travel Award Committee
2015 - 2020	APA Division 22 (Rehabilitation Psychology) Communications Committee
2013 - 2019	APA Division 38 (Society for Health Psychology) Early Career Council
2012 - 2015	American Pain Society, Scientific Programming Committee
2012 - 2019	American Pain Society, Web Development and Communications Committee (initially Web Content workgroup)
2012 - 2014	<u>Chair</u> , American Pain Society Psychosocial Research SIG
2011 - 2017	<u>Chair</u> , APA Division 38 (Society for Health Psychology) International Relations Committee, Diversity Council

2010 - 2011 Liaison to the APA Committee on International Relations in Psychology APA
Division 38 (Society for Health Psychology), CIRP
2006 - 2011 APA Division 38 (Health Psychology) Membership and Social Networking
Committees
2006 - 2009 Pain and Palliative Care Group of Southeast Ohio

PROFESSIONAL MEMBERSHIP

US American Pain Society
Society of Behavioral Medicine APA
Division 38 of the APA: Society for Health Psychology
Division 22 of the APA: Rehabilitation Psychology
International Association for the Study of Pain
American Psychosomatic Society

HONORS AND AWARDS

Harold Yuker Award for Research Excellence, Division 22 of the APA, 2017
John C. Liebeskind Early Career Scholar Award, American Pain Society, 2016
Participant at National Graduate Student Research Festival at NIH, 2009
Snyder Scholarship, Ohio University Department of Psychology, 2009
Student Investigator Award: Pain Special Interest Group of the Society of Behavioral Medicine, 2007
Thomas L. Creer Award for Behavioral Health Research, 2006
Psychology Department Honors, Fordham University, 2003
New York State Merit Scholarship, Fordham University, 1999-2003

SPECIAL TRAINING: 2012 Participant in 12th Annual Summer Institute on Behavioral Clinical Trials,
Office of Behavioral and Social Sciences Research, NIH

REFERENCES

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