



Laura Simons

Professor of Anesthesiology, Perioperative and Pain Medicine (Pediatric)

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

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Bio

CLINICAL FOCUS

- Chronic Pain
- Pediatric Pain Psychology
- Pediatric Pain Rehabilitation
- Pain Medicine

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

HONORS AND AWARDS

- Early Career Award in Pediatric Pain, International Association for the Study of Pain (2017)
- John C Liebeskind Early Career Scholar Award, American Pain Society (2013)
- Donald K Routh Early Career Award, Society of Pediatric Psychology (2012)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Pediatric lead, Organizing Committee of the new US-based Pain Research Organization (2019 - present)
- Faculty Member, Pain in Child Health (PICH) (2018 - present)
- Member, Association of University Anesthesiologists (2018 - present)
- Executive Board Member, Pain Mind and Movement SIG, IASP (2017 - present)
- Research Committee Chair, Pain Special Interest Group, Society of Pediatric Psychology (2017 - 2019)
- Progress Notes Newsletter Editor, Society of Pediatric Psychology (2013 - 2018)

- Member, International Association for Study of Pain (2010 - present)
- Member, American Pain Society (2008 - 2019)
- Member, Society of Pediatric Psychology, Division 54 of APA (2001 - present)
- Member, American Psychological Association (2000 - present)

PROFESSIONAL EDUCATION

- PhD, University of Georgia , Clinical Psychology (2006)
- MS, University of Georgia , Clinical Psychology (2004)
- Fellowship, Boston Children's Hospital , Child Pain Treatment & Assessment/Psychiatry (2008)
- Internship, University of Florida Health Science Center , Child Clinical, Pediatric Psychology (2005)

LINKS

- Lab Website: bpp.stanford.edu

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am a Professor in the Department of Anesthesiology, Perioperative, and Pain Medicine at Stanford University School of Medicine and a clinical psychologist who evaluates and treats youth presenting with chronic pain in the Pediatric Pain Management Clinic (PPMC) at Stanford Children's Health. My program of research aims to utilize a pain neuroscience psychology approach to gain a mechanistic understanding of cognitive and affective processes in pediatric pain, perform rigorous patient-oriented research that translates targeted assessment into mechanistically informed treatment approaches for optimal clinical care and leverage the ubiquity of digital health to enhance patient access and reach. Central to these goals are projects targeting adolescence and youth adults with chronic pain that encompass defining brain signatures of threat interpretation, evaluating the efficacy of graded exposure (NCT03699007), deriving a biosignature of improvement vs. persistence of pain and disability (NCT04285112), and evaluating the impact of virtual reality on pain rehabilitation (NCT04636177). These studies along with additional work examining the journey of pain care for youth with pain and their parents form a comprehensive research portfolio in the realm of understanding and treating chronic pain in young people. My long-term career goal is to lead a robust research program focusing on alleviating the suffering of youth and emerging adults with chronic pain.

CLINICAL TRIALS

- GET Living, Recruiting
- SPRINT, Recruiting
- TRAC-Pain, Recruiting
- Empowered Relief for Youth, Not Recruiting
- Flexible Attention Sensory Training for Youth With Chronic Pain , Not Recruiting
- Pain Rehabilitation Virtual Reality (PRVR): Innovations to enhance mobility in the presence of pain , Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Anna Bailes, Jewel White

Publications

PUBLICATIONS

- **Targeted Real-Time Assessment of Chronic Pain (TRAC-Pain) in Youth: Protocol for a Digital Biosignature Development Through a Prospective Observational Cohort Study.** *JMIR research protocols*
Bailes, A. H., Shu, C. H., Chang, A., Masood, S., Jehl, N., Davis, A., Giberson, J., Cashman, C., Hill, A., Gill, J., McGinnis, R. S., McGinnis, E. W., Aghaeepour, et al
2026; 15: e84781
- **Neural evidence for the effects of behavioral memory updating following fear conditioning.** *Communications psychology*
Timmers, I., Biggs, E. E., Heathcote, L. C., Fredrikson, M., Pine, D. S., Vlaeyen, J. W., Borsook, D., Simons, L. E.
2025; 3 (1): 153
- **Seeing your child in pain: Parent empathy in the context of their child's chronic pain.** *The journal of pain*
Timmers, I., Harrison, L. E., Simons, L. E.
2024: 104771
- **Emotional memory bias in adolescents with chronic pain: examining the relationship with neural, stress, and psychological factors.** *Pain*
Biggs, E. E., Timmers, I., Heathcote, L. C., Tremblay-McGaw, A. G., Noel, M., Borsook, D., Simons, L. E.
2024
- **A randomized controlled trial of graded exposure treatment (GET living) for adolescents with chronic pain.** *Pain*
Simons, L. E., Harrison, L. E., Boothroyd, D. B., Parvathinathan, G., Van Orden, A. R., O'Brien, S. F., Schofield, D., Kraindler, J., Shrestha, R., Vlaeyen, J. W., Wicksell, R. K.
2023
- **Enhancing Exposure Treatment for Youths With Chronic Pain: Co-design and Qualitative Approach.** *Journal of participatory medicine*
Schemer, L., Hess, C. W., Van Orden, A. R., Birnie, K. A., Harrison, L. E., Glombiewski, J. A., Simons, L. E.
2023; 15: e41292
- **Signature for Pain Recovery IN Teens (SPRINT): protocol for a multisite prospective signature study in chronic musculoskeletal pain.** *BMJ open*
Simons, L., Moayedi, M., Coghill, R. C., Stinson, J., Angst, M. S., Aghaeepour, N., Gaudilliere, B., King, C. D., López-Solà, M., Hoeppli, M. E., Biggs, E., Gano, E., Williams, et al
2022; 12 (6): e061548
- **Circles of engagement: Childhood pain and parent brain** *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*
Simons, L. E., Goubert, L., Vervoort, T., Borsook, D.
2016; 68: 537-546
- **Pediatric Pain Screening Tool: rapid identification of risk in youth with pain complaints** *PAIN*
Simons, L. E., Smith, A., Ibagon, C., Coakley, R., Logan, D. E., Schechter, N., Borsook, D., Hill, J. C.
2015; 156 (8): 1511-1518
- **Psychological processing in chronic pain: A neural systems approach** *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*
Simons, L. E., Elman, I., Borsook, D.
2014; 39: 61-78
- **Development of iGET Living, a Digital Graded Exposure Intervention for Youth With Chronic Pain: Multiphase User-Centered Design and Pilot Study.** *JMIR formative research*
Harrison, L. E., Webster, S. N., Choate, E. S., Mayanja, D., Jehl, N., Darnall, B. D., Stinson, J. N., Bonnert, M., Lalouni, M., Wicksell, R. K., Simons, L. E.
2026; 10: e89206
- **Cross-lagged longitudinal analysis of pain and fear of cancer recurrence in young female survivors of breast and gynaecological cancers.** *Pain*
Sweeney, L., Schapira, L., Webster, S., Norton, S., Simons, L. E., Moss-Morris, R., Heathcote, L. C.
2026

- **Exposure-based Interventions for Chronic Pain and Bodily Symptoms: A Special Interest Meeting Report.** *Behaviour research and therapy*
Schemer, L., Glogan, E., Sjouwerman, R., Ahm, R., Ashar, Y. K., Boddez, Y., Boersma, K., Caneiro, J. P., Cima, R. F., Hollander, M. d., Flink, I., Glombiewski, J. A., Goossens, et al
2026; 199: 104998
- **Long-term predictive validity of the Pediatric Pain Screening Tool for chronic postsurgical pain and pain-related quality of life impairment: associations with risk stratification groups in Spain.** *The journal of pain*
Ceniza-Bordallo, G., Simons, L. E., Martin-Casas, P., Sieberg, C. B.
2026: 106221
- **Burnout and Team Functioning in Pediatric Pain Care: A Cross-Sectional Survey of Multidisciplinary Providers.** *The journal of pain*
Hess, C. W., Guardino, K., Gaydos, E. F., Escobar, M. H., Moua, L., Chen, D., McDonnell, A., Simons, L. E.
2026: 106206
- **Understanding the lived experiences of youth with chronic pain who are neuro- and gender-diverse.** *Health psychology : official journal of the Division of Health Psychology, American Psychological Association*
Choate, E., Hess, C. W., Maroney, M. R., Webster, S. N., Jehl, N., Neville, A., Minassians, L., Simons, L., Harrison, L. E.
2026; 45 (1): 25-34
- **Brain-immune correlates of quality of life in adolescents with chronic musculoskeletal pain.** *Brain, behavior, and immunity*
Pascual-Diaz, S., Suñol, M., Hoeppli, M. E., Biggs, E., King, C. D., Aghaeepour, N., Angst, M. S., Ganio, E., Cambriel, A., Feyaerts, D., Gaudilliere, B., Stinson, J. N., Moayed, et al
2025: 106225
- **Unequal burden: chronic pain disparities in sexual and gender minority adolescents.** *Pain*
Harrison, L. E., Berger, A. S., Hess, C. W., Ma, R. S., Simons, L. E., Wicksell, R. K., Friedman, E., Borucki, A., Collins, A., Goodin, B. R.
2025
- **The relationships between proinflammatory cytokines and depressive symptoms in adolescents with chronic pain.** *Pain reports*
Gaydos, E. F., Huft, K., Biggs, E., Nelson, S., Simons, L. E.
2025; 10 (6): e1365
- **It's all relative: parent pain-related distress and acceptance as predictors of youth outcomes in chronic pain dyads.** *Pain*
Harrison, L. E., Revol, J., Lafit, G., Ceulemans, E., Vlaeyen, J., Simons, L. E.
2025
- **Item Reduction and Scoring of the Pediatric PainSCAN©: A Screening Tool for Pediatric Neuropathic Pain and CRPS.** *The Clinical journal of pain*
Mesaroli, G., Davis, A. M., Perruccio, A. V., Davidge, K. M., Campbell, F., Sun, N., Walker, S. M., Hess, C. W., Simons, L. E., Logan, D., Stinson, J. N.
2025
- **Targeting Pain Science Education With a Children's Book: A Single Case Experimental Design (SCED) Study With a Sham Comparison.** *Pain research & management*
Pate, J. W., Simons, L. E., Moore, E., Norton, J., Turbitt, E., Verhagen, A., Pacey, V.
2025; 2025: 7548771
- **Individual-Level Effects of a Digital Behavioural Treatment for Chronic Pain: Proof-of-Concept of a Single-Case Experimental Design Study.** *European journal of pain (London, England)*
Al Sharaa, H., Bartels, S. L., Taygar, A. S., Engman, L., Petersson, S., Flink, I., Boersma, K., McCracken, L. M., Simons, L., Vlaeyen, J. W., Onghena, P., Wicksell, R. K.
2025; 29 (10): e70128
- **Questionnaire Translation, Adaptation, and Co-Creation of the Swedish Version of the Fear of Pain Questionnaire Child Report Short Form.** *Paediatric & neonatal pain*
Lanzinger, M., Jörgensen, S., Fischer, M. R., Simons, L. E., Lexell, J.
2025; 7 (3): e70011
- **Bracing for the worst? Real-time scanxiety and uncertainty management during cancer surveillance.** *Health psychology : official journal of the Division of Health Psychology, American Psychological Association*
Webster, S. N., Biggs, E. E., Simons, L. E., Tanna, V., Mattke, E., Spunt, S. L., Sweeny, K., Walentynowicz, M., Mueller, C., Heathcote, L. C.

2025

- **Reliability and validity of the Pediatric PainSCAN: a screening tool for pediatric neuropathic pain and complex regional pain syndrome.** *Pain*
Mesaroli, G., Davis, A. M., Perruccio, A. V., Davidge, K. M., Campbell, F., Sun, N., Walker, S. M., Hess, C. W., Simons, L. E., Logan, D., Stinson, J. N.
2025
- **Pain Acceptance in Adolescent Chronic Pain: Do Body Mindsets Play a Role?** *The Clinical Journal of Pain*
Dowling, E. J., Simons, L. E., Crum, A. J., Pate, J., Chilcot, J., Laycock, H. C., Scott, W., Heathcote, L. C.
2025
- **Developing a Core Outcome Set for Pediatric and Adult Acute and Chronic Pain Extended Reality Trials: Delphi Consensus-Building Process.** *Journal of Medical Internet Research*
Hess, C. W., Logan, D. E., Rosenbloom, B. N., Mesaroli, G., Simons, L. E., Ouellette, C., Nguyen, C., Alam, F., Stinson, J. N.
2025; 27: e58947
- **Extended Reality (XR) in Pediatric Acute and Chronic Pain: Systematic Review and Evidence Gap Map.** *JMIR pediatrics and parenting*
Hess, C. W., Rosenbloom, B. N., Mesaroli, G., Lopez, C., Ngo, N., Cohen, E., Ouellette, C., Gold, J. I., Logan, D., Simons, L. E., Stinson, J. N.
2025; 8: e63854
- **Who is being represented in research? A researcher-driven method for assessing diversity and representation in prospective research cohorts.** *Pain Medicine (Malden, Mass.)*
Tremblay-McGaw, A. G., Biggs, E. E., Sokol, O. E., Miner, A. W., Goya Arce, A. B., Simons, L. E.
2025
- **Validation of ICD-11 chronic pain severity specifiers for children and adolescents: an important step forward.** *Pain*
Simons, L. E.
2025
- **Validation of ICD-11 chronic pain severity specifiers for children and adolescents: an important step forward.** *Pain*
Simons, L. E.
2025; 166 (9): 1957-1958
- **The Relationship Between Fatigue, Pain Interference, Pain-Related Distress, and Avoidance in Pediatric Hypermobility Ehlers-Danlos Syndrome.** *Children (Basel, Switzerland)*
Sokol, O. E., Biggs, E. E., Berger, A. S., Simons, L. E., Bhandari, R. P.
2025; 12 (2)
- **Targeting Pain Science Education With a Children's Book: A Single Case Experimental Design (SCED) Study With a Sham Comparison** *PAIN RESEARCH & MANAGEMENT*
Pate, J. W., Simons, L. E., Moore, E., Norton, J., Turbitt, E., Verhagen, A., Pacey, V.
2025; 2025 (1)
- **Reaching experts for enhanced referral (REFER) to pain psychology: a modified Delphi approach with multidisciplinary paediatric pain providers at a specialised center in the USA.** *BMJ paediatrics open*
Schemer, L., Harrison, L. E., Hess, C. W., Neville, A. J., Jehl, N., Ma, R. S., Glombiewski, J. A., Simons, L. E.
2024; 8 (1)
- **A call to action to integrate best practice assessment of sexual orientation and gender identity in pain research and clinical care.** *Pain*
Harrison, L. E., Boerner, K. E., Black, W., Nelson, S., Santos, M., Simons, L. E., Wakefield, E. O., Warner, J. N., Wilson, A. C., Zajacova, A.
2024
- **Scanxiety and Fear of Recurrence in Young Adult Female Breast and Gynaecological Cancer Survivors: Investigating Shared Mechanisms.** *Psycho-oncology*
Patel, D. S., Webster, S. N., Dowling, E. J., Knowles, C. R., Lockwood-Taylor, G., Coutts-Bain, D., Simons, L. E., Diver, E. J., Chilcot, J., Schapira, L., Heathcote, L. C.
2024; 33 (12): e70050
- **Postpartum sleep quality and physical activity profiles following elective cesarean delivery: a longitudinal prospective cohort pilot study utilizing a wearable actigraphy device.** *International journal of obstetric anaesthesia*

- Pandal, P., Carvalho, B., Shu, C. H., Ciechanowicz, S., O'Carroll, J., Aghaeepour, N., Fowler, C., Simons, L. E., Druzin, M. L., Panelli, D. M., Sultan, P.
2024; 62: 104305
- **Increasing presence via a more immersive VR system increases virtual reality analgesia and draws more attention into virtual reality in a randomized crossover study** *FRONTIERS IN VIRTUAL REALITY*
Hoffman, H. G., Seibel, C. C., Coron, L., Simons, L. E., Drever, S., Le May, S., Mason, K. P., Flor, H.
2024; 5
 - **Navigating virtual realities: identifying barriers and facilitators to implementing VR-enhanced PT for youth with chronic pain.** *Journal of pediatric psychology*
Jehl, N. M., Hess, C. W., Choate, E. S., Nguyen, H. T., Yang, Y., Simons, L. E.
2024
 - **Probing white matter microstructure in youth with chronic pain and its relation to catastrophizing using neurite orientation dispersion and density imaging.** *Pain*
Timmers, I., Biggs, E. E., Bruckert, L., Tremblay-McGaw, A. G., Zhang, H., Borsook, D., Simons, L. E.
2024
 - **Sleep disturbances, altered brain microstructure and chronic headache in youth.** *Brain imaging and behavior*
Vandergaag, I. D., Nania, C., Timmers, I., Simons, L., Lebel, C., Rasic, N., Walker, A., Noel, M., Miller, J. V.
2024
 - **Application of PainDETECT in pediatric chronic pain: how well does it identify neuropathic pain and its characteristics?** *Pain reports*
Hess, C. W., Van Orden, A. R., Mesaroli, G., Stinson, J. N., Borsook, D., Simons, L. E.
2023; 8 (6): e1109
 - **The bodily threat monitoring scale: Development and preliminary validation in adult and childhood cancer survivors.** *Psycho-oncology*
Heathcote, L. C., Webster, S. N., Loecher, N., Spunt, S. L., Simon, P., Pradhan, P., Coutts-Bain, D., Sharpe, L., Tutelman, P. R., Simons, L. E.
2023
 - **A single-item mood question adequately discriminates moderately severe to severe depression in individuals with persistent pain: preliminary validation.** *British journal of anaesthesia*
Mouatt, B., Leake, H. B., Stanton, T. R., Moseley, G. L., Simons, L. E., Braithwaite, F. A.
2023
 - **Body mindsets are associated with pain and threat-related risk factors for pain in survivors of childhood cancer.** *The journal of pain*
Dowling, E. J., Simons, L. E., Crum, A. J., Spunt, S. L., Simon, P., Webster, S. N., Brown, M. R., Jhanji, S., Chilcot, J., Heathcote, L. C.
2023
 - **Commentary: Peer Support Needs of Adolescents With Chronic Pain.** *Journal of pediatric psychology*
Choate, E. S., Neville, A. J., Simons, L. E.
2023
 - **"You don't accept he's completely ok": a reflexive thematic analysis of parents' roles in monitoring their child's health and symptoms after finishing childhood cancer treatment.** *Journal of cancer survivorship : research and practice*
Loecher, N., Jordan, A., Spunt, S. L., Simon, P., Simons, L. E., Dahl, G., Kosyluk, K., Heathcote, L. C.
2023
 - **International Survey of Pediatric Oncologists' Beliefs and Communication Practices Regarding Symptom Self-Monitoring by Childhood Cancer Survivors.** *JCO oncology practice*
Webster, S. N., Spunt, S. L., Cunningham, S. J., Wakefield, C. E., Smith, S. M., Alberts, N. M., Palesh, O., Simons, L. E., Heathcote, L. C.
2023: OP2200630
 - **Considering Precision and Utility When we Talk About Pain. Comment on Cohen et al.** *The journal of pain*
Moseley, G. L., Pearson, N., Reezigt, R., Madden, V. J., Hutchinson, M. R., Dunbar, M., Beetsma, A. J., Leake, H. B., Moore, P., Simons, L., Heathcote, L., Ryan, C., Berryman, et al
2023; 24 (1): 178-181
 - **Innovative treatment formats, technologies, and clinician trainings that improve access to behavioral pain treatment for youth and adults.** *Frontiers in pain research (Lausanne, Switzerland)*

Darnall, B. D., Edwards, K. A., Courtney, R. E., Ziadni, M. S., Simons, L. E., Harrison, L. E.

2023; 4: 1223172

- **Considering Precision and Utility When we Talk About Pain. Comment on Cohen et al *JOURNAL OF PAIN***
Moseley, G. L., Pearson, N., Reezigt, R., Madden, V. J., Hutchinson, M. R., Dunbar, M., Beetsma, A. J., Leake, H. B., Moore, P., Simons, L., Heathcote, L., Ryan, C., Berryman, et al
2023; 24 (1): 178-181
- **Evidence of Chronic Complement Activation in Asymptomatic Pediatric Brain Injury Patients: A Pilot Study. *Children (Basel, Switzerland)***
Holmes, S. A., Mar'i, J., Lemme, J., Maallo, A. M., Lebel, A., Simons, L., O'Brien, M. J., Zurakowski, D., Burnstein, R., Borsook, D.
2022; 10 (1)
- **Virtual Reality-Augmented Physiotherapy for Chronic Pain in Youth: Protocol for a Randomized Controlled Trial Enhanced With a Single-Case Experimental Design. *JMIR research protocols***
Simons, L. E., Hess, C. W., Choate, E. S., Van Orden, A. R., Tremblay-McGaw, A. G., Menendez, M., Boothroyd, D. B., Parvathinathan, G., Griffin, A., Caruso, T. J., Stinson, J., Weisman, A., Liu, et al
2022; 11 (12): e40705
- **Targeting Pain Science Education in Youth with Chronic Pain: What are the Sticking Points for Youth and Their Parents? *The Clinical journal of pain***
Pate, J. W., Harrison, L. E., Hess, C. W., Moseley, G. L., Rush, G., Heathcote, L. C., Simons, L. E.
2022
- **Looking inward to improve pediatric chronic pain outcomes: a call for team science research. *Pain***
Hess, C. W., Rosen, M. A., Simons, L. E.
2022
- **Altered anterior insula functional connectivity in adolescent and young women with endometriosis-associated pain: Pilot resting-state fMRI study. *European journal of paediatric neurology : EJPN : official journal of the European Paediatric Neurology Society***
Szabo, E., Timmers, I., Borsook, D., Simons, L. E., Sieberg, C. B.
2022; 41: 80-90
- **Agile development of a digital exposure treatment for youth with chronic musculoskeletal pain: protocol of a user-centred design approach and examination of feasibility and preliminary efficacy. *BMJ open***
Harrison, L. E., Webster, S. N., Van Orden, A. R., Choate, E., Jehl, N., Stinson, J., Wicksell, R. K., Darnall, B. D., Simons, L. E.
2022; 12 (9): e065997
- **Microtemporal Relationships in the Fear Avoidance Model: An Ecological Momentary Assessment Study. *The Clinical journal of pain***
Kichline, T., Cushing, C. C., Connelly, M., Black, W. R., Simons, L. E., Friesen, C., Schurman, J. V.
2022
- **Paediatric chronic pain as a catalyst for toxic stress. *The Lancet. Child & adolescent health***
Nelson, S., Miller, J. V., Timmers, I., Simons, L. E., Meldrum, K., Noel, M.
2022
- **Rapid Transition to Virtual Assessment and Treatment in an Interdisciplinary Randomized Clinical Trial for Youth With Chronic Pain: Adaptations and Implications for Future Trials. *The Clinical journal of pain***
Shear, D., Harrison, L. E., O'Brien, S., Khazendar, Z., Lyons, S., Morgan, J. J., Chan, S. K., Feinstein, A. B., Simons, L. E.
2022; 38 (7): 459-469
- **Application of painDETECT in Pediatric Chronic Pain: How Well Does It Identify Neuropathic Pain and Its Characteristics?**
Van Orden, A., Hess, C. W., Mesaroli, G., Stinson, J., Borsook, D., Simons, L. E.
CHURCHILL LIVINGSTONE.2022: 51
- **Development, evaluation and implementation of a digital behavioural health treatment for chronic pain: study protocol of the multiphase DAHLIA project. *BMJ open***
Bartels, S. L., Johnsson, S. I., Boersma, K., Flink, I., McCracken, L. M., Petersson, S., Christie, H. L., Feldman, I., Simons, L. E., Onghena, P., Vlaeyen, J. W., Wicksell, R. K.
2022; 12 (4): e059152
- **Smartphone-Based Ecological Momentary Assessment to Study "Scanxiety" among Adolescent and Young Adult Survivors of Childhood Cancer: A Feasibility Study. *Psycho-oncology***

- Heathcote, L. C., Cunningham, S. J., Webster, S. N., Tanna, V., Mattke, E., Loecher, N., Spunt, S. L., Simon, P., Dahl, G., Walentynowicz, M., Murnane, E., Tutelman, P. R., Schapira, et al
2022
- **Amygdala functional connectivity mediates the association between catastrophizing and threat-safety learning in youth with chronic pain.** *Pain*
Timmers, I., Lopez-Sola, M., Heathcote, L. C., Heirich, M., Rush, G. Q., Shear, D., Borsook, D., Simons, L. E.
2022; 163 (4): 719-728
 - **Measuring Clinically Meaningful Change in Outcomes for Youth with Chronic Pain Following Graded Exposure Treatment.** *The Clinical journal of pain*
Harrison, L. E., Heathcote, L. C., Khazendar, Z., Richardson, P. A., Simons, L. E.
2022
 - **Integrated Features for Optimizing Machine Learning Classifiers of Pediatric and Young Adults With a Post-Traumatic Headache From Healthy Controls.** *Frontiers in pain research (Lausanne, Switzerland)*
Holmes, S., Mar'i, J., Simons, L. E., Zurakowski, D., LeBel, A. A., O'Brien, M., Borsook, D.
2022; 3: 859881
 - **The Concept of Pain Inventory for Adults (COPI-Adult): Assessing Knowledge and Beliefs Regarding Pain Science Education.** *The Clinical journal of pain*
Pate, J. W., Simons, L. E., Rush, G., Hancock, M. J., Hush, J. M., Verhagen, A., Pacey, V.
2021
 - **Establishment of an International Collaborative Network for N-of-1 Trials and Single-Case Designs.** *Contemporary clinical trials communications*
Nikles, J., Ongheena, P., Vlaeyen, J. W., Wicksell, R. K., Simons, L. E., McGree, J. M., McDonald, S.
2021; 23: 100826
 - **Pain and Intolerance of Uncertainty among Adolescent and Young Adult Cancer Survivors**
Tanna, V., Cunningham, S. J., Simon, P., Spunt, S. L., Schapira, L., Simons, L. E., Heathcote, L. C.
CHURCHILL LIVINGSTONE.2021: 611
 - **User-centered development of a digital exposure treatment for youth with chronic pain**
Khazendar, Z., Harrison, L., Wicksell, R., Simons, L.
CHURCHILL LIVINGSTONE.2021: 607
 - **The role of hippocampus and amygdala morphology in memory bias of learned fear in youth with chronic pain**
Perry, C., Heathcote, L., Thomas, K., Borsook, D., Simons, L., Timmers, I.
CHURCHILL LIVINGSTONE.2021: 604
 - **Memory bias for learned threat and safety cues in youth with chronic pain**
Thomas, K. C., Heathcote, L. C., Timmers, I., Perry, C. E., Noel, M., Simons, L. E.
CHURCHILL LIVINGSTONE.2021: 607
 - **Probing white matter microstructure in youth with chronic pain**
Timmers, I., Loecher, N., Coppeters, I., Borsook, D., Zhang, H., Simons, L.
CHURCHILL LIVINGSTONE.2021: 602
 - **Subclinical post-traumatic stress symptomology and brain structure in youth with chronic headaches.** *NeuroImage. Clinical*
Miller, J. V., Andre, Q., Timmers, I., Simons, L., Rasic, N., Lebel, C., Noel, M.
2021; 30: 102627
 - **Chronic Pain in Young Athletes: The Impact of Athletic Identity on Pain-related Distress and Functioning.** *The Clinical journal of pain*
Hsu, C., Loecher, N., Park, A. L., Simons, L. E.
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