

NELE LÖCHER

Tampa, FL | nloecher@usf.edu

EDUCATION

PhD in Behavioral and Community Science

University of South Florida

- GPA: 4.00/4.00

Tampa, FL

August 2020 – present

Research Master in Cognitive and Clinical Neuroscience: Psychopathology

Maastricht University

- GPA: 8.31/10.00
- Graduated cum laude

Maastricht, Netherlands

September 2017 – May 2020

Bachelor of Arts in Psychology and English

Grinnell College

- Psychology GPA: 3.73/4.00
- Graduated with Honors
- Dean's List

Grinnell, IA

December 2016

Fall 2014; Spring 2014; Fall 2016

AWARDS & SCHOLARSHIPS

Presidential Fellowship

University of South Florida

Tampa, FL

August 2020 – Present

Internship Grant

Maastricht University

- Funding to conduct my Master's thesis abroad

Maastricht, Netherlands

September 2018

Research Grant

Grinnell College

- Funding to conduct an unpaid research internship at Yale University

Grinnell, IA

Summer 2016

RESEARCH EXPERIENCE

Research Fellow

University of South Florida with Dr. Kristin Kosyluk

Tampa, FL

Present

- Graduate research assistant for a study examining a disclosure intervention in college students with mental health challenges
- Designed and implemented study examining public stigma of childhood cancer
- Independently conducted a systematic review on parental needs during their child's transition to adult care for pediatric cancer
- Screened abstracts, extracted data, and assessed quality of studies for a systematic review of neurological correlates of stigma

Graduate Student Researcher

Moffitt Cancer Center with Dr. Laura Oswald

Tampa, FL

- Analyzed transcripts in a rapid qualitative analysis for a group intervention in adolescent and young adult survivors of cancer

Graduate Student Researcher

Moffitt Cancer Center with Dr. Kristine Donovan

Tampa, FL

- Analyzed data for a large cohort study looking at cancer anorexia-cachexia syndrome in a palliative population
- Analyzed data for a quality of life study for survivors of pelvic exenteration surgery

Research Fellow**Tampa, FL***University of South Florida with Dr. Marilyn Stern*

- Automated surveys, resource distribution, and notifications for over 30+ timepoints from onboarding through follow-up for an R01 mindfulness intervention for obese and overweight pediatric cancer survivors
- Trained to become an interventionist for an R01 mindfulness intervention

Research Coordinator/Visiting Student**Stanford, CA***Biobehavioral Pediatric Pain Lab at Stanford University with Dr. Laura Simons*

November 2018 – May 2020

- Writing my Master's thesis on bodily awareness after cancer in pediatric patients using interpretative phenomenological analysis of semi-structured interviews
- Recruited for, set up and conducted qualitative interview study as well as analyzed data independently using theory-driven thematic analysis
- Created item pool, conducted cognitive testing, and widespread dissemination to validate new instrument to measure bodily awareness after cancer in children and their parents
- Aided in design of neuroimaging studies testing neural correlates and physical responses in parents viewing their child in pain; conducted these study visits, co-piloting MRI machine and running Eprime paradigms
- Visual inspection of MRI structural and functional data as part of pre-processing for study measuring fear learning in children with chronic pain
- Conducted baseline and discharge visits including consenting and leading motion capture for large clinical trial testing efficacy of exposure therapy in children with chronic pain; set up and supervised clinician adherence to protocol

Research Assistant**Maastricht, Netherlands***Maastricht University with Dr. Tom Smeets*

February 2018 – October 2018

- Conducted study sessions, including applying electrocutaneous stimuli, collecting saliva samples, and measuring Galvanic skin response, to test fear conditioning under stress
- Analyzed preliminary data using Excel

Research Assistant**Maastricht, Netherlands***Maastricht University with Dr. Hanne Kindermans*

December 2017 – May 2018

- Co-designed study process, reviewed literature, and conducted study on multisensory integration in an electrocutaneous pain paradigm

Research Assistant**Florence, AL***University of North Alabama with Dr. Robert Armstrong*

Spring 2017

- Analyzed dataset of more than 300 MBA students using SPSS to find correlations between culture and learning methods as well as the moderating and mediating factors of this relationship
- Presented results at the Society of Business, Industry, and Economics Conference in Sandestin, FL.

Research Intern**New Haven, CT***Canine Cognition Center at Yale University with Dr. Laurie Santos*

Summer 2016

- Conducted daily experimentation on over 90 canines testing emotion perception
- Designed the follow-up study after data collection ended to improve data
- Analyzed and coded video data for studies with primates, cleaner fish, and dogs

Student Researcher**Grinnell, IA***Independent Research Project with Dr. Christopher Ralston*

Summer 2015

- Revised and administered sexual climate survey as well as analyzed over two years of data with a sample size of 1701 college students (over 55% response rate)
- Conducted chi-square and correlational tests using SPSS syntax writing

- Compiled a 265-page report available online and presented to college students, faculty and staff
- Presented to both the broader campus community and the Title IX committee at Grinnell College

TEACHING

Guest Lecturer

University of South Florida: *Foundations of Social Work Research and Statistics*

Tampa, FL

Spring 2022

- Lecture on Qualitative Research Applications to 30 graduate students

Teaching Assistant

University of South Florida: *Cultural Diversity and Health*

Tampa, FL

Fall 2021

- Graded and guest lectured on racial disparities in health to 60 undergraduate students

Tutor

Grinnell College: *Research Methods*

Grinnell, IA

Fall 2014 – December 2016

- Experimental design and statistical analysis using SPSS

Tutor

Grinnell College: *German*

Grinnell, IA

Fall 2014 – December 2016

- Taught German pronunciation, grammar, and vocabulary to students, supplementing their German classes

SKILLS

Statistical: IBM SPSS Statistics

Data Collection: Qualtrics, REDCap, EPIC

Data Analysis: FreeSurfer

Technical: Eprime, MRI data collection (GE 3T MR scanner)

TRAININGS CONDUCTED

REDCap

Training on REDCap in Longitudinal Data Collection

Tampa, FL

Fall 2021

- Taught about 20 undergraduate and graduate students how to leverage REDCap as an effective data management and research support tool

LANGUAGES

German (native), English (fluent), French (conversational), Spanish (basic communication skills), Dutch (basic communication skills), Arabic (beginning knowledge)

PUBLICATIONS

Publications

Singhal, S., Dickerson, J., Glover, M. J., Roy, M., Chiu, M., Ellis-Caleo, T., Hui, G., Tamayo, C., **Loecher, N.**, Wong, H., Heathcote, L. C., & Schapira, L. (2022). *Patient Reported Outcome Measurement Implementation in Cancer Survivors: A Systematic Review*. *Journal of Cancer Survivorship*.

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, L., Simons, L.E., & Mueller, C. (2022). *Smartphone-based ecological momentary assessment to study "scanxiety" among adolescent and young adult survivors of childhood cancer: a feasibility study*. *Psycho-Oncology*.

Hsu, C., **Loecher, N.**, Park, A., Simons, L. E. (2021). *Chronic pain in young athletes: the impact of athletic identity on pain-related distress and functioning*. *Clinical Journal of Pain*.

Heathcote, L.C.*, **Loecher, N.***, Simon, P., Spunt, S., Jordan, A., Tutelman, P., Cunningham, S., Schapira, L., & Simons, L., E. (2020). *Symptom appraisal in uncertainty: A theory-driven thematic analysis with survivors of childhood cancer*. *Psychology & Health*.

- Heathcote, L.C., **Loecher, N.**, Spunt, S., Simon, P., Tutelman, P., Wakefield, C., Ach, E., & Schapira, L. (2020). *Do qualitative research interviews cause distress in adolescents and young adults asked to discuss fears of cancer recurrence?* *Psycho-Oncology*.
- Simons, L. E., Harrison, L. E., O'Brien, S., Heirich, M., **Locher, N.**, Boothroyd, D., Vlaeyen, J., Wicksell, R., Schofield, D., Hood, K., Orendurff, M., Chong, S., & Lyons, S. (2019). *Graded exposure treatment for adolescents with chronic pain (GET Living): Protocol for a randomized controlled trial enhanced with single case experimental design*. *Contemporary Clinical Trials Communications*, vol. 16, 2019, p. 100448.
- Ralston, C. A., Anderson, T., Cusick, R., Notman, E. Levin, H., **Löcher, N.**, Weber, E. (2015). *Summary of the Grinnell College Sexual Conduct: Culture and Respect Survey for the 2013-2013 and 2014-2015 Academic Years*. Located at <https://www.grinnell.edu/campus-life/sexual-respect/reports>.
- Löcher, N.** "Der Faust'sche Paradox: Wie Männer im späten 18. Jahrhundert weibliche Unschuld zerstören." *The Grinnell College Academic Journal* May 2014: 26-29. Print.

*the authors contributed equally to the manuscript

PUBLISHED ABSTRACTS

- Timmers, I., **Loecher, N.**, Coppieters, I., Borsook, D., Zhang, H., & Simons, L. (2021). *Probing white matter microstructure in youth with chronic pain*. *The Journal of Pain*, 22(5).
- Heathcote, L. C., **Loecher, N.**, Spunt, S. L., Simon, P. J., Dahl, G., Moicenu, S., Cruanes, G., Tutelman, P., Schapira, L., Mueller, C., Chiu, B., Simons, L. E. (2019). Symptom monitoring and the uncertain threat of disease recurrence: a deductive thematic analysis with adolescent and young adult (AYA) cancer survivors. *Journal of Clinical Oncology*, 37(31_suppl), 147.

PRESENTATIONS

Posters

- Albizu-Jacob, A., **Loecher, N.**, Gray, H., & Stern, M. (October 2021). *Engaging Parents of Pediatric Cancer Survivors with Obesity in a Healthy Lifestyle Intervention during the COVID-19 Pandemic: Implications for Trial Recruitment and Data Collection*. Congress of the International Society of Paediatric Oncology: virtual due to COVID-19.
- Loecher, N.**, Albizu-Jacob, A., Stern, M., & Kosyluk, K. (October 2021). *Parental perspectives on healthcare transition in survivors of pediatric cancer*. Congress of the International Society of Paediatric Oncology: virtual due to COVID-19.
- Loecher, N.**, Simon, P., Schapira, L., Spunt, S. L., Stern, M. & Heathcote, L. C. (May 2021). *I need to count her breath: How parents of childhood cancer survivors view their roles in monitoring their child's symptoms and health during survivorship*. International Psycho-Oncology Society: virtual due to COVID-19.
- Heathcote, L.C., Cunningham, S.J., **Loecher, N.**, Tutelman, P., Spunt, S.L., Simon, P., Schapira, L., & Simons, L.E. (April 2021). *Bodily threat monitoring in survivors of childhood cancer: a new mechanistic target to reduce fear of recurrence and improve quality of life?* In: Society of Pediatric Psychology Annual Conference: virtual due to COVID-19.
- Heathcote, L., **Loecher, N.**, Spunt, S., Simon, P., Cunningham, S., Tutelman, P., Schapira, L. & Simons, L. (May 2020). *Pain as embodied risk: a qualitative thematic analysis in childhood cancer survivors*. Canadian Pain Society Annual Meeting: Calgary, Canada.
- Hsu, C. M., **Loecher, N.**, Simons, L. E. (2020, March). *The impact of athletic identity on pain-related distress and functioning in young athletes with chronic pain*. International Society of Physical and Rehabilitation Medicine: World Congress, Orlando, FL.
- Loecher, N.**, Heathcote, L. C., Simons, L. E. (2020, April). *Pediatric athletic identity and chronic pain outcomes: The influence of type of sport*. Society of Behavioral Medicine Annual Meeting, San Francisco, CA.
- Heathcote, L.C., **Loecher, N.**, & Simons, L.E. (2019, November) *Living with uncertainty: a mixed-methods study of symptom perception after pediatric cancer*. Maternal and Child Health Research Institute Annual Research Symposium, Palo Alto, CA.

- Timmers, I., **Loecher, N.**, Rush, G. Q., Gross, J. J., Simons, L. E. (2019, November). *Scanning Circles of Pain Engagement (SCOPE): Investigating Parent's Empathic Distress Responses in the Context of their Child's Chronic Pain*. Annual Stanford Maternal and Child Health Research Institute Symposium: Stanford, CA.
- Loecher, N.**, Simons, L. E., Spunt, S. L., Simon, P. J., Heathcote, L. C. (2018, May). *Bodily Awareness as a Maintenance Factor of PTSD in Childhood Cancer*. Anesthesia Research Awards Dinner, Stanford, CA.

Presentations and Addresses

- Heathcote, L.C. Webster, S.N., Cunningham, S.J., Tanna, V., Mattke, E., **Loecher, N.**, Spunt, S.L., Simon, P., Dahl, G., Walentynowicz, M., Murnane, E., Tutelman, P.R., Schapira, L., Simons, L.E. & Mueller, C. (2022) *Smartphone-based ecological momentary assessment to study "scanxiety" among adolescent and young adult survivors of childhood cancer: a feasibility study*. In: Society of Pediatric Psychology Annual Conference, Arizona, USA.
- Heathcote, L. C., **Loecher, N.**, Spunt, S. L., Simon, P. J., Dahl, G., Moicenau, S., Cruanes, G., Tutelman, P., Schapira, L., Mueller, C., Chiu, B., Simons, L. E. (2019). *Symptom monitoring and the uncertain threat of disease recurrence: a deductive thematic analysis with adolescent and young adult (AYA) cancer survivors*. American Society of Clinical Oncology: Supportive Care Symposium, San Francisco, CA.
- Bock, T., **Löcher, N.** (2017, April) *MBA Learning Preferences Versus Nationality Differences*. Panel presentation at the Society of Business, Industry, and Economics Conference, Sandestin, FL.
- Ralston, C. A., Anderson, T., Cusick, R., Notman, E. Levin, H., **Löcher, N.**, Weber, E. (2016, January). Designing and Implementing Sexual Climate Surveys for Actionable Information and High Response Rates. Workshop presented at the NASPA Strategies Conference: Violence Prevention, Orlando, FL.
- Ralston, C. A., Anderson, T., Cusick, R., Notman, E. Levin, H., **Löcher, N.**, Weber, E. (2015, October). *Sexual climate surveys*. Panel presentation at the Iowa Campus Safety Conference, Ankeny, IA.
- Ralston, C. A., Anderson, T., Cusick, R., Notman, E. Levin, H., **Löcher, N.**, Weber, E. (2015, October). *Sexual climate surveys: Grinnell College's experience*. Presentation the Iowa Prevention Consortium, Grinnell, IA.
- Löcher, N.** (2014, April) *Der Faust'sche Paradox: Wie Männer im späten 18. Jahrhundert weibliche Unschuld zerstören*. Panel presentation at the German Undergraduate Research Conference, Illinois Wesleyan University, IL.

Symposium Talks

- Heathcote, L. C., **Loecher, N.**, Spunt, S. L., Simon, P. J., Jordan, A., Tutelman, P., Simons, L. E. (2020). *Making sense of pain after cancer: a mixed-methods project spanning theory development through intervention*. American Psychosocial Oncology Society Annual Conference, Portland, OR.
- Heathcote, L. C., **Loecher, N.**, Spunt, S. L., Simon, P. J., Jordan, A., Tutelman, P., Schapira, L., Crum, A. J., Simons, L. E. (2020). *When pain threatens: Understanding and targeting pain-related fear in childhood and adult cancer survivors*. Society of Behavioral Medicine Annual Meeting, San Francisco, CA.

Acknowledgments

- Heathcote, L.C., Pate, J.W., Park, A.L., Leake, H.B., Moseley, G.L., Kronman, C.A., Fischer, M., Timmers, I., & Simons, L.E. (2019). *Pain neuroscience education on YouTube*. PeerJ. Print.

REVIEWER

Journal of Adolescent and Young Adult Oncology	October 2020 - present
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MEMBERSHIPS

Psi Chi Honor Society	August 2015 - present
American Society of Clinical Oncology	September 2019 - present
International Society of Paediatric Oncology	July 2021 - present

CERTIFICATES AND TRAINING

NIDILLR Data Sharing and Archiving Training Verification	Fall 2021
Canvas Instructor Training	Fall 2021
Grant Writing Workshop	Summer 2021

IRB Training
HIPAA Privacy for Researchers
HIPAA Protecting Patient Privacy 2020
CITI Training
Bloodborne Pathogen Training
MR Safety Training

Summer 2021
November 2020
November 2020
November 2020
November 2018
December 2018