**ANNELIIS S. SARTIN-TARM**

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**CAREER OBJECTIVE**

My career goal is to become a psychological scientist in an academic medical setting.

**EDUCATION**

*University of Nebraska-Lincoln*, Lincoln, NE

Expected Master of Science, May 2021 (GPA: 3.9/4.0)

Expected Doctor of Philosophy in Clinical Psychology, May 2024

* Academic Courses:
	+ Fall 2019: Research Methods & Data Analysis, Teaching Methods in Psychology, Psychopathology Proseminar, Clinical Proseminar
	+ Spring 2020: Research Methods & Data Analysis, Clinical Interviewing, Clinical Assessment I, Cognitive Proseminar
	+ Fall 2020: Clinical Assessment II, Psychotherapy, Clinical Intervention I

*University of Wisconsin-Madison*, Madison, WI

B.A. in Psychology, Certificate in German, May 2017 (GPA: 3.5/4.0)

* Awarded Dean’s List, Spring 2016, Fall 2017
* Honors Certificate in the Biology Core Curriculum (Biocore)
* Academic Courses:
	+ Research Methods, Applied Statistics, Data Analysis with R, Data Programming in Python, Hormones, Brain, and Behavior, Psychobiology of Stress & Coping, Child Psychopathology, Primate Psychology, Criminal Mind: Forensic & Psychobiological Perspectives, Social Psychology, Child Psychology, Behavior Pathology: Neuroses, Honors Biocore Program Course Sequence (Cellular Biology; Cellular Biology Lab; Evolution, Ecology, & Genetics)

**ACADEMIC HONORS, AWARDS, AND FELLOWSHIPS**

Graduate Research Fellowship Program (Honorable Mention) March 2020

*National Science Foundation*

* Awarded to the top 15% of applicants

Psychology Department Travel award Spring 2020

*University of Nebraska-Lincoln*

Dean’s ListSpring 2016, Fall 2017

*University of Wisconsin-Madison*

**RESEARCH EXPERIENCE**

*Department of Psychology, University of Nebraska-Lincoln*August 2019-Present

Graduate Research Assistant

Research advisor: Dr. Tierney Lorenz

* Lab focus: understanding women’s sexual and reproductive health through interactions between sexual physiology, endocrinology, immunology, and evolutionary science.
* Training in task development, project oversight, and research design
* Training in phlebotomy, sample storage and management, enzyme-linked immunosorbent assays (ELISA)
* Training in clinical diagnostic assessments of sexual dysfunction
* Mentoring undergraduate students in critical evaluation of scientific literature

*Department of Psychiatry, University of Wisconsin-Madison*May 2017-August 2019

Associate Research Specialist

Research advisor: Dr. Josh Cisler

* Coordinated a double-blind, placebo-controlled, randomized clinical trial examining the role of L-DOPA in fear extinction learning among women with PTSD
	+ Recruited, enrolled, and administered 300+ hours of structured clinical assessments to trauma-exposed patient populations
* Administered clinical assessments and analyzing data in contribution to an observational study examining neural differences between trauma-exposed and healthy adolescent girls
* Analyzed psychophysiological, neural, and clinical data for presentation and publication
	+ Conducted statistical analysis in Matlab, SPSS, R, and Python
* Trained in functional and structural neuroimaging analysis, including voxel-wise, network-based, and ROI-based analyses
	+ Developed, trained, and oversaw structural MRI data processing in Freesurfer
* Experienced in phlebotomy and sample processing, storage, and shipment
	+ Training in ELISA techniques
* Established and maintained project databases and records
* Communicated and refinined procedures with IRB
* Prepared and presented data at local meetings and national/regional conferences
* Hired, trained, and supervised undergraduate research assistants and interns

*Center for Healthy Minds, University of Wisconsin-Madison* Jan 2016-May 2017

Undergraduate Research Assistant

Research advisor: Dr. Richard Davidson

* Guided participants through comprehensive clinical research visits
* Administered behavioral tasks, questionnaires, and MRI assistance
* Visualized and cleaned fMRI data using FreeSurfer
* Reviewed, cleaned, and analyzed heart rate variability and respiratory data using Matlab
* Collected and aliquoted saliva samples for cortisol assays
* Trained new undergraduate research assistants

*Department of Psychology, University of Wisconsin-Madison*  Nov 2015-May 2017

Undergraduate Research Assistant

Research advisor: Dr. Karl Rosengren

* Lead coordination of a six-month observational diary study on infant behavior
* Assisted in developing hypothesis-driven study design
* Established guidelines for coding qualitative measures
* Constructed research instruments on Qualtrics using conditional logic
* Led participant recruitment and enrollment
* Maintained communication with study participants
* Communicated and refined procedures with IRB

**CLINICAL TRAINING EXPERIENCE**

*The Behavioral Health Education Center of Nebraska (BHECN)*December 2019

Telehealth Training Module

* Completed online training workshop on legal, regulatory, and ethical guidelines surrounding telehealth practice

**PROFESSIONAL SERVICE**

*Ad-hoc reviewer*

Archives of Sexual Behavior 2019 – Present

Family Process 2020 – Present

**EMPLOYMENT EXPERIENCE**

*Wisconsin National Primate Center, University of Wisconsin-Madison* Nov 2013-Mar 2017

Primate Caretaker

Research advisor: Dr. Ricki Colman

* Administered oral and intravenous medications to primates
* Maintained qualitative and quantitative health/diet records
* Collected and aliquoted blood and urine samples for analysis
* Provided emergency care under the supervision of veterinarians

*Community Living Alliance*, Madison, WI May 2015 – Nov 2015

Personal Care Worker

* Provided comprehensive care services for a quadriplegic patient, including performing range of motion exercises, medication administration, wound care, and health tracking
* Performed activities of daily living such as patient transfers, cleaning, and meal preparation
* Trained new staff members

**ACCEPTED PUBLICATIONS**

Crombie, K.M., Ross, M.C., Letkiewicz, A.M., **Sartin-Tarm, A.**, Cisler, J.M. (2020). Differential relationships of PTSD symptom clusters with cortical thickness and grey matter volumes among women with PTSD. In Press at *Scientific Reports*.

Ross, M.C., **Sartin-Tarm, A.**, Letkiewicz, A.M. Crombie, K.M., Cisler, J.M. (2020). Distinct cortical thickness correlates of early life trauma exposure and posttraumatic stress disorder are shared among adolescent and adult females with interpersonal violence exposure. *Neuropsychopharmacology*, 1-9.

**Sartin-Tarm, A.**, Ross, M., Privatsky, A.A., James, G.A., Cisler, J.M. (2020). Estradiol Modulates Neural and Behavioral Arousal in Women with Posttraumatic Stress Disorder During a Fear Learning and Extinction Task*.* *Biological Psychiatry: CNNI*, *5*(12), 1114-1122.

Clephane, K., **Sartin-Tarm, A.,** Lorenz, T. (2020). Four Additional Questions for the Preparation Hypothesis*.* *Archives of Sexual Behavior*, 1-6.

Cisler, J.M., Privatsky, A., **Sartin-Tarm, A.**, Sellnow, K., Ross, M., Weaver, S., Hahn, E., Herringa, R.J., James, G.A., Kilts, C.D. (2020). L-DOPA and consolidation of fear extinction learning among women with posttraumatic stress disorder*. Translational Psychiatry*, *10*(287).

Weaver, S., Kroska, E.B., Ross, M., **Sartin-Tarm, A.**, Sellnow, K., Schaumberg, K., Koenigs, J.M., CIsler, J.M. (2020). Sacrificing reward to avoid threat: Characterizing PTSD in the context of a trauma-Related approach-avoidance conflict task*.* *Journal of Abnormal Psychology, 129*(5), 457—468.

Sellnow, K., **Sartin-Tarm, A.**, Ross, M., Weaver, S., Cisler, J.M. (2020). Biotypes of functional brain engagement during emotion processing differentiate heterogeneity in internalizing symptoms and interpersonal violence histories among adolescent girls*.* *Journal of Psychiatric Research*, (121); 197—206.

Cisler, J. M., Esbensen, K., Sellnow, K., Ross, M., **Sartin-Tarm, A.**, Weaver, S., Herringa, R.J., Kilts, C. D. (2019). Differential Roles of the Salience Network during Prediction Error Encoding and Facial Emotion Processing among Female Adolescent Assault Victims. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging 4*(4), 371—380.

**MANUSCRIPTS UNDER REVIEW**

**Sartin-Tarm, A.,** Clephane, K.& Lorenz, T. Formal and informal sources of sexual information predict women’s sexual self-schema development*.* Under review at *Canadian Journal of Human Sexuality*.

**Sartin-Tarm, A.** & Lorenz, T. Women’s Sexual Self-Schema, Sexual Coercion, and Sexual Desire*.* Under review at *Journal of Interpersonal Violence*.

Crombie, K.M., **Sartin-Tarm, A.**, Sellnow, K., Ahrenholtz, R., Lee, S., Matalamaki, M., Adams, T.G., Cisler, J.M. Aerobic Exercise and Consolidation of Fear Extinction Learning among Women with Posttraumatic Stress Disorder. Under review at *Behavior Research and Therapy*.

**PRESENTATIONS**

**Sartin-Tarm, A.** & Lorenz, T. (2020, November). *Discriminating Sexual Health from Dysfunction: The Ins and Outs of Libido, Arousal, and Orgasm across the Female Lifespan.* Oral presentation via Zoom at the 49th Annual AAGL Global Congress on Minimally Invasive Gynecology Surgery. (Conference made virtual due to COVID-19 pandemic)

**Sartin-Tarm, A.** & Lorenz, T. (2020, November). *Emerging Nonhormonal Therapies for Libido, Arousal, and Orgasm Disorders.* Oral presentation via Zoom at the 49th Annual AAGL Global Congress on Minimally Invasive Gynecology Surgery. (Conference made virtual due to COVID-19 pandemic)

**Sartin-Tarm, A.** (2020, August). *Preregistration.* Oral presentation via Zoom at the University of Nebraska’s Center for Brain, Biology, and Behavior Club, CB3 Club.

**Sartin-Tarm, A.**, Renfro, K., Lorenz, T. (2020, May). *Contextual Factors in Menstrual Cycle-Related Changes in Cognition, Emotion, and Behavior: When Does Cycle Phase Matter?* Symposium accepted for presentation at the annual meeting of the Association for Psychological Science (APS) in Chicago, IL. (Conference cancelled due to COVID-19 pandemic)

**Sartin-Tarm, A.**, Lorenz, T. (2020, March). *Hormonal Contraceptive Use is Related to Different Sexual Functioning Outcomes for Young Women who Experienced Sexual Victimization.* Poster presented at the annual meeting of the International Society for the Study of Women’s Sexual Health (ISSWSH) in Orlando, FL.

Clephane, K., **Sartin-Tarm, A.**, Lorenz, T. (2020, March). *Different forms of mental health treatments are associated with different patterns of post-trauma sexual functioning in women: An exploratory study.* Poster presented at the annual meeting of the International Society for the Study of Women’s Sexual Health (ISSWSH) in Orlando, FL.

**Sartin-Tarm, A.** (2020, January). *Hormonal Modulation of Neural and Behavioral Responding Across the Menstrual Cycle.* Oral presentation at the University of Nebraska’s Center for Brain, Biology, and Behavior brown bag series, CABIN.

**Sartin-Tarm, A.**, Ross, M., Cisler, J. M. (2019, May). *Neural and Behavioral Evidence of Estradiol Modulating Fear Responding among Women with PTSD*. Poster presented at the annual meeting of the Society of Biological Psychiatry in Chicago, IL.

**Sartin-Tarm, A.**, Ross, M., Cisler, J. M. (2019, April). *Neural and Behavioral Evidence of Estradiol Modulating Fear Responding among Women with PTSD*. Poster presented at the annual Wisconsin Symposium on Emotion in Madison, WI.

**Sartin-Tarm, A.**, Ross, M., Cisler, J. M. (2018, August). *Resting State Functional Neural Network Modularity Among Adult Women with PTSD*. Poster presented at the annual Neuroscience Research Symposium in Fitchburg, WI.

**Sartin-Tarm, A.**, Ross, M., Cisler, J. M. (2018, May). *Resting State Functional Neural Network Modularity Among Adult Women with PTSD*. Poster presented at the annual meeting of the Society of Biological Psychiatry in New York City, NY.

**Sartin-Tarm, A.**, Ross, M., Cisler, J. M. (2018, April). *Resting State Functional Neural Network Modularity Among Adult Women with PTSD*. Poster presented at the annual Wisconsin Symposium on Emotion in Madison, WI.

**Sartin-Tarm, A.** (2018, March). *Neurocircuitry of Trauma and PTSD.* Oral presentation at the UW-Madison Child and Adolescent Psychiatry Research Presentation Day in Madison, WI.

**RESEARCH & TECHNICAL SKILLS**

Clinical Assessments and Interviews: Extensive experience conducting, interpreting, and training research assistants on the following clinical and research assessments: Structured Clinical Interview for DSM-IV, Axis I and II (SCID), Clinician-Administered PTSD Scale for DSM-5 (CAPS), Mini-International Neuropsychiatric Interview for Children and Adolescents (MINI-Kid), National Survey of Adolescents (NSA), Columbia Suicide Severity Rating Scale (CSS-R), WAIS-IV, Receptive OneWord.

Statistical Analysis/Computing: Working knowledge of data analysis software, including Matlab, SPSS, R, Python, and Microsoft Excel. Experience using Matlab, AFNI, Freesurfer, SUMA, and MRIcroGL to create and display figures for presentation/publication. Experience using RedCap, COINS, Qualtrics, Amazon’s MTurk, and Microsoft Excel to collect, log, and manage data.

Experimental Design: Skilled in reviewing scientific literature and proposing research projects in the fields of neurobiology, clinical psychology, psychophysiology, and developmental cognition.

Communication of Scientific Knowledge: Well-versed in preparing scientific research posters and journal articles to present to UW-Madison psychiatric residents, as well as local and national conferences. Experienced in corresponding with IRB critiques, preparing grants and protocols. Trained in facilitating community support groups and communicating across difficult topics, such as political division or dire mental health outcomes.

Wet Lab Techniques: Extensive experience collecting and processing blood, saliva, and urine samples from humans and non-human primates. Working knowledge of conducting enzyme immunoassays to detect steroid hormone concentration in saliva. Certified in shipping Hazmat Biological Samples by the University of Wisconsin.

**RESEARCH INTERESTS**

* + Novel psychopharmacological interventions
	+ Psychobiological mechanisms of acute/chronic stress
	+ Development of post-traumatic psychopathology
	+ Trajectories of risk and resilience
	+ Computational modeling in psychiatric disorders
	+ Fear conditioning, extinction, and generalization paradigms
	+ Neurocircuitry correlates of threat processing, emotional regulation, decisions
	+ Sexual functioning and risk for dysfunction
	+ Community mental health programming

**LEADERSHIP & SERVICE**

*National Alliance for Mental Illness (NAMI)*, Madison, WI October 2018 – Present

Family-to-Family Group Facilitator:Leading a 12-week support group for families of loved ones living with a severe mental illness, offering evidence-based knowledge of psychopathology and corresponding treatment options, as well as communication and coping skills.

*University of Wisconsin Hillel*, Madison, WI August 2014 – May 2016

Intern: Organized enriching campus events related to politics and prepared grants/expense reports to implement programming.

REFERENCES AVAILABLE UPON REQUEST