

# SHELBY WEAVER

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Madison, WI

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## Education

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- University of Wisconsin – Madison**, Madison, WI *Anticipated completion: July 2023*  
PhD Student, Department of Psychology  
Individualized Graduate Major  
**Advisors:** Michael Koenigs, PhD
- University of Wisconsin – Madison**, Madison, WI May 2020  
M.S., Department of Psychology  
**Advisors:** Michael Koenigs, PhD
- University of Wisconsin – Madison**, Madison, WI May 2017  
B.S., College of Letters and Sciences  
**Majors:** Neurobiology & Psychology  
**Certificate:** Criminal Justice

## Scientific Publications

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### Under Review:

**Weaver S.S.** & Rodrik O., Kiehl K, Koenigs M. (*under review*). Correlates of externalizing psychopathology in incarcerated men. *Psychological Assessment*.

Deming P., Eisenbarth H., Rodrik O., **Weaver S.S.**, Koenigs, M. (*under review*). Reduced sympathetic arousal in response to faces in a subtype of psychopathy. *PLOS ONE*.

### Published:

**Weaver S.S.**, Jensvold Z, Fiori M. (2021). Expanding health equity in Wisconsin prisons through access to menstrual products. *Journal of Science Policy and Governance*.

**Weaver S.S.**, Dargis M, Koenigs M. (2021). Criminal histories and rates of recidivism among two subtypes of psychopathic individuals. *Criminal Justice and Behavior*.

**Weaver S.S.**, Birn R, Cisler J. (2020). A Pilot Adaptive Neurofeedback Investigation of the Neural Mechanisms of Implicit Emotion Regulation among Women with PTSD. *Frontiers in Systems Neuroscience*.

**Weaver S.S.**, Kroska E, Ross M, Sartin-Tarm A, Sellnow K, Schaumberg K, Kiehl K, Koenigs M, Cisler J. (2020). Sacrificing Reward to Avoid Threat: Characterizing PTSD in the Context of a Trauma-Related Approach-Avoidance Conflict Task. *Journal of Abnormal Psychology*.

Letkiewicz A, **Weaver S.S.**, Cochran A, Cisler J. (2020). Model-Based Reinforcement Learning is Impaired During Approach-Avoidance Conflict Among Individuals with PTSD and Elevated PTSD Symptoms. *Biological Psychiatry*.

Sellnow K, Sartin-Tarm A, Ross M, **Weaver S.S.** & Cisler J. (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*.

Cisler J, Privratsky A, Sartin-Tarm A, Sellnow K, Ross M, **Weaver S.S.**, Hahn E, Herringa R, James G, & Kilts C. (2019). L-DOPA and consolidation of fear extinction learning among women with posttraumatic stress disorder. *Translational Psychiatry*.

Cisler J, Esbensen K, Sellnow K, Ross M, **Weaver, S.S.**, Sartin-Tarm A, Herringa R, Kilts C. (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, 371-380

## Poster Presentations

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**Weaver S.S.** & Vance K, Rodrik O, Cohen T, Koenigs M. *Symptoms of depression and anxiety in incarcerated individuals during the COVID-19 pandemic*. Poster presented at the American Psychology-Law Society Annual conference, Virtual, March 20<sup>th</sup>, 2021.

**Weaver S.S.** & Cohen T, Heilicher M, Koenigs M. *Race differences in mental health diagnoses in a prison sample of Black and White men*. Poster presented at the American Psychology-Law Society Annual conference, Virtual, March 20<sup>th</sup>, 2021.

**Weaver S.S.**, Koenigs M, Cisler J. *Biased Resolution of Approach-Avoidance Conflict Learning in Posttraumatic Stress Disorder*. Poster presented at Society of Biological Psychiatry Annual Meeting, Chicago, IL, May 16<sup>th</sup>, 2019.

**Weaver S.S.**, Koenigs M, Cisler J. *Approach Avoidance Conflict Resolution in Posttraumatic Stress Disorder*. Poster presented at Wisconsin Symposium on Emotion, Madison, WI, April 10<sup>th</sup>, 2019.

**Weaver S.S.**, Privratsky A, Kilts C, Herringa R, James G, Cisler J. *Dynamic Salience Updating and its Role in Fear Acquisition and Extinction in PTSD*. Poster presented at Society of Biological Psychiatry Annual Meeting, New York, NY, May 12<sup>th</sup>, 2018.

**Weaver S.S.**, Privratsky A, Kilts C, Herringa R, James G, Cisler J. *Dynamic Salience Updating and its Role in Fear Acquisition and Extinction in PTSD*. Poster presented at Wisconsin Symposium on Emotion, Madison, WI, April 19<sup>th</sup>, 2018.

## Academic Talks

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### “PTSD, Psychopathy, and the Influence of Childhood Trauma”

March 5<sup>th</sup>, 2020, American Psychology-Law Society, New Orleans, Louisiana, United States.

### “Approach Avoidance Conflict in Posttraumatic Stress Disorder”

July 24<sup>th</sup>, 2019, Society for Mathematical Biology, Montreal, Canada.

## Research Experience

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**Graduate Student, University of Wisconsin – Madison**  
PI: Michael Koenigs, PhD

09/2018 – Present

**Post-Baccalaureate Research Assistant, University of Wisconsin-Madison** 01/2017 – 12/2019  
PI: Josh Cisler, PhD

**Post-Baccalaureate Research Specialist, Mind Research Network** 05/2017 – 08/2018  
PI: Kent Kiehl, PhD

**Undergraduate Research Assistant, University of Wisconsin – Madison** 07/2015 – 05/2017  
PI: Michael Koenigs, PhD

**Undergraduate Research Assistant, University of Wisconsin – Madison** 08/2014 – 01/2017  
PI: Ryan Herringa, MD, PhD

## **Teaching Experience**

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**Mentor:** Undergraduate Research Scholars Program 09/2020 – 05/2021  
University of Wisconsin – Madison

## **Peer Review**

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**Crime & Delinquency**

## **Professional Affiliations**

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### **Catalysts for Science Policy (UW – Madison)**

Active member: January 2021 – present

Liaison to the National Science Policy Network: May 2021 – present

### **National Science Policy Network**

Active member: January 2021 – present

### **American Association for the Advancement of Science**

Active member: January 2021 – present

### **American Psychology-Law Society**

Active member: January 2020 – present

## **Additional Coursework and Certificates**

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Public Policy Analysis for Scientists, Engineers, and Health Professionals: A Systematic Process for Analyzing and Developing Policy Options to Respond to Societal Challenges

*April 12 – May 17, 2020*

Science and Technology Policy Academy

Level, Change, and Acceleration: Modeling Correlated Change in Longitudinal Data and Intensive Repeated Measures Designs

*June 15 – June 19, 2020*

ICPSR Summer Program Workshop

Introduction to the Principles and Practice of Clinical Research 2019-2020

*Spring 2020*

NIH Office of Clinical Research – Online

## **Research and Technical Skills**

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### **Data Analysis and Behavioral Task Development**

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Python

PsychoPy

SPSS

Matlab

Neurobehavioral Systems Presentation

### **Clinical Assessments**

Psychopathy Checklist – Revised (PCL-R)

Structured Clinical Interview for DSM-IV Axis I Disorders (SCID-IV)

Structured Clinical Interview for DSM-5 (SCID-5)

Clinician Administered PTSD Scale (CAPS-5)

National Women Survey Trauma Assessment (NSA)

Columbia Suicide Severity Rating Scale (C-SSRS)

Mini International Neuropsychiatric Interview for Kids (MINI KID)

Wechsler Adult Intelligence Scale (WAIS)

Wechsler Abbreviated Scale of Intelligence (WASI-II)