

## Brett Schneider, M.S

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## Education

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**University of Wisconsin-Madison**, Anticipated June 2022 (Defense Date June 2021)

Degree: Ph.D. in Clinical Psychology

Dissertation Title: *The Prevalence, Characteristics, Psychological Sequelae, and Neural Correlates of Traumatic Brain Injury among Individuals Incarcerated in Prison*

**University of Wisconsin-Madison**, Awarded May 2018

Degree: M.S., Clinical Psychology

**University of Iowa**, Awarded May 2016

Degrees: B.S., Psychology (Honors), B.S., Biology (Neurobiology)

Honors Thesis: *The left temporal pole is a convergence region between semantic knowledge and name for concrete, unique entities*

## Clinical Experience

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### ***Neuropsychological Assessment***

2019-present **Medical College of Wisconsin Adult Neuropsychology Practicum**

Department of Neurology, Medical College of Wisconsin, WI

Two-year advanced practicum rotation performing adult neuropsychological assessments in a neurology outpatient clinic. Patient referrals include memory disorders, traumatic brain injury, movement disorders, language disorders, serious psychiatric conditions, neuro-oncology, epilepsy, and other neurological conditions. Duties include independently administering comprehensive neuropsychological evaluations, clinical interviews, and writing integrated reports under the direct supervision of board-certified neuropsychologists. Supplemental didactic experiences include weekly neuropsychology seminar, case conference, neurology grand rounds, observing in-patient evaluations, and consensus epilepsy conference.

Supervisors: Sara J. Swanson, Ph.D., ABPP-CN; Alissa M. Butts, Ph.D., ABPP-CN; Julie Bobholz, Ph.D., ABPP-CN; Julie Janecek, Ph.D., ABPP-CN; Michael McCrea, Ph.D.; Lindsey Nelson, Ph.D., ABPP-CN; Sara Pillay, Ph.D.; Laura Glass Umfleet, PsyD

2020-present **William S. Middleton Memorial Veterans Hospital**

Madison VA GRECC Tele-neuropsychology Service, Madison, WI

Perform tele-neuropsychological assessments with geriatric Veterans in clinic-to-clinic video-connect service. Veterans are referrals from a memory disorders team in neurology. The service provides memory assessment for geriatric

Veterans primarily in rural locations across Wisconsin. Experiences include independently interviewing, conducting assessments, and completing integrated reports for the Veteran and GRECC medical team. Also completing a supplemental rotation through Cognitive Care Clinic beginning 12/2020 to co-lead group therapy exercises in Cognitive Stimulation therapy.

Supervisor: Lindsay Clark, PhD

2014-2016 **Benton Neuropsychology Laboratory**  
University of Iowa Hospitals and Clinics, Iowa City

Regularly observed Joseph Barrash, Ph.D., ABPP, Robert Jones, Ph.D., ABPP and Daniel Tranel, Ph.D., ABPP in the Benton Neuropsychology Clinic for conditions including general memory difficulties, dementia, Alzheimer's, Parkinson's, and traumatic brain injury. Attended weekly case presentations from neuropsychologists and neurologists.

### ***Supplemental Neuropsychology Education***

- **Clinical Neuroanatomy:** National Academy of Neuropsychology 15-week distance e-learning course Fall 2020.
- **Neuropsychology Seminar:** Attended full two-year didactic weekly seminar series designed for post-doctoral fellows at the Medical College of Wisconsin.
- **Neurology Grand Rounds:** Weekly attendance at Neurology Grand Rounds at the Medical College of Wisconsin.

### ***Psychotherapy and Psychological Assessment***

2017-2019 **Psychology Research & Training Clinic**  
Department of Psychology, University of Wisconsin-Madison, WI

Provide adult individual psychotherapy with an emphasis on cognitive-behavioral approaches. Administer neuropsychological and intelligence assessments for adolescents and adults seeking learning disorder/ADHD evaluations, including testing, intake interviews, feedback sessions, and report writing. Independently complete and provide feedback for psychodiagnostic assessments for complex personality disorders and severe psychopathology. Complete individual brief Motivational Interviewing counseling and conduct Structured Clinical Interview for DSM-5 (SCID-5) for a research project investigating recently abstinent individuals with alcohol use disorder.

Supervisors: Linnea Burk, Ph.D. and Christopher Gioia, Ph.D.

2018-present **Wisconsin Psychiatric Institute and Clinic**  
Department of Psychiatry, University of Wisconsin-Madison, WI

Administer diagnostic interviews for adults using a wide array of instruments, including the Structured Clinical Interview for DSM-5 (SCID-5) under the direct supervision of a licensed psychologist for an ongoing research project.

Supervisor: Joshua Cisler, Ph.D.

## Research Experience

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2016-present Graduate Student Research Assistant, Department of Psychiatry  
University of Wisconsin-Madison, Koenigs Lab

Leading multiple lines of research investigating the impact of focal brain-damage to the ventromedial prefrontal cortex (vmPFC) in humans. Current projects combine behavioral testing with functional and structural MRI scanning to elicit how damage to the vmPFC influences 1) the ability to acquire and extinguish fear to visual stimuli, 2) the ability to learn complex reward contingencies, 3) and the impact of vmPFC damage on sub-cortical brain structures. I was involved in the inception, experimental design, analyzing preliminary data, and managing a team of undergraduates and research assistants to run a multi-visit study. Additionally, I am leading a project on the impact of traumatic brain injuries (TBI) in prison. The investigation includes examining 1) the unique characteristics and high prevalence of TBI in prison, 2) the psychological sequelae of mTBI, 3) impact on recidivism and crime 4) and the structural and functional correlates of a history of mTBI in a currently incarcerated prison sample using resting-state functional MRI and diffusor tensor imaging.

Advisor: Michael Koenigs, Ph.D.

Dissertation: *The Prevalence, Characteristics, Psychological Sequelae, and Neural Correlates of Traumatic Brain Injury among Individuals Incarcerated in Prison*

Techniques: Lesion method, task-based and resting-state fMRI, FreeSurfer surface-based morphometry, SPM voxel-based morphometry, diffusor tensor imaging, computational modelling, psychophysiology

2019-present Practicum Student Clinical Research, Department of Neurology  
Medical College of Wisconsin, Binder Lab

Conducting data analysis for an ongoing multi-site collaboration as part of the Epilepsy Connectome Project with Dr. Lisa Conant and Dr. Jeffrey Binder. The study examines the structural neuroanatomical correlates of social cognitive deficits in individuals with temporal lobe epilepsy. My role in the study primarily involves analyzing cortical thickness and behavioral data to identify relationships between brain structure and social cognition in temporal lobe epilepsy to present as a poster at INS 2021 and an in-prep publication.

Advisors: Jeffrey Binder, M.D.; Lisa Conant, Ph.D.

Techniques: advanced regression, FreeSurfer surface-based morphometry

2013-2016 Undergraduate Research Assistant, Department of Neurology & Psychology  
University of Iowa, Tranel Lab

Conducted multiple projects utilizing neurological patients with brain-damage to understand brain function following focal damage to the ventromedial prefrontal cortex and temporal poles with Dr. Daniel Tranel and Dr. Amy Belfi. Completed and published honors thesis in 2018 in *Cortex*.

Advisor: Daniel Tranel, Ph.D.

Techniques: Lesion method, MRI, behavioral analysis, neuropsychological testing

2015-2016 Undergraduate Research Assistant, Department of Psychology  
University of Iowa, Nikolas Lab

Conducted regular neuropsychological testing of individuals with MDD or ADHD history and performed brief unstructured clinical interviews.

Advisor: Molly Nikolas, Ph.D.

Techniques: neuropsychological testing, clinical interviewing

## Publications

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Hiser, J., **Schneider, B.**, Koenigs, M. Uncertainty potentiates neural and cardiac responses to visual stimuli in anxiety disorders. (in prep).

**Schneider, B.**, Arciniegas, D. B., Harenski, C., Kiehl, K.A., and Koenigs, M. The Prevalence, Characteristics, and Psychological Correlates of Traumatic Brain Injury in Male and Female Prisoners: An Examination in Two Large Independent Samples. (in prep).

**Schneider, B.**, Heskje, J., Bruss, J., Tranel, D., & Belfi, A. M. (2018). The left temporal pole is a convergence region mediating the relation between names and semantic knowledge for unique entities: Further evidence from a “recognition-from-name” study in neurological patients. *Cortex*, 109, 14-24.

**Schneider, B.**, & Koenigs, M. (2017). Human lesion studies of ventromedial prefrontal cortex. *Neuropsychologia*, 107, 84-93.

Belfi, A. M., Chen, K-H, **Schneider, B.**, & Tranel, D. (2016). Neurological damage disrupts normal sex differences in psychophysiological responses to music. *Psychophysiology*, 53(1), 14-20.

Conant, L. L., **Schneider, B.**, Heffernan, J., Mathis, J., Nair, V., Hermann, B. , Freiberg, A., Almane, D., Nencka, A., Raghavan, M., Maganti, R., Struck, A., Felton, E., Shah, U., Sosa, V. N., Arkush, K., Deyoe, E., Prabhakaran, V., Meyerand, M.E., and Binder, J. R. The Neural Correlates of Social Cognition Deficits in Temporal Lobe Epilepsy. (in-prep).

**Schneider, B.**, Mazurek, C., Koenigs, M. The need for objective testing in psychiatry: how to use neuroeconomics in the clinic. (in-prep).

**Schneider, B.**, Deming, P., Kiehl, K., Koenigs, M. (in-prep). Regulating amygdala activation to aversive cues: a comparison between ventromedial prefrontal cortex lesions and psychopathic criminal offenders

## Presentations

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**Schneider, B.**, Conant, L. L., Heffernan, J., Mathis, J., Nair, V., Hermann, B. , Freiberg, A., Almane, D., Nencka, A., Raghavan, M., Maganti, R., Struck, A., Felton, E., Shah, U., Sosa, V. N., Arkush, K., Deyoe, E., Prabhakaran, V., Meyerand, M.E., and Binder, J. R. (Submitted) The Neural Correlates of Social Cognition Deficits in Temporal Lobe Epilepsy. INS 49th Annual North American Meeting 2021.

**Schneider, B.**, Kiehl, Kent., Koenigs, M. (2020) History of Head Injury in Prison Inmates: Prevalence, Association with Mental Illness, and Neuroimaging Correlates. INS 48th Annual North American Meeting 2020.

- Schneider, B.,** Koenigs, M. (2019) Prevalence of Traumatic Brain Injuries and Connection to Mental Health in Adult Criminal Offenders. Wisconsin Symposium on Emotion
- Schneider, B.,** Korponay, C., Deming, P., Dargis, M., Koenigs, M. (2018). Structural and Functional Brain Correlates of Childhood Maltreatment in Adult Criminal Offenders. Wisconsin Symposium on Emotion.
- Schneider, B.,** Koenigs, M. (2017). History of Childhood Maltreatment is Associated with Increased Amygdala and Hippocampus Volumes in Adult Criminal Offenders. Wisconsin Symposium on Emotion.
- Schneider, B.,** Heskje, J., Tranel, D., & Belfi, A. M. (2016). The Left Temporal Pole is a Multimodal Mediator for Conceptual Knowledge of Concrete, Unique Entities. Spring Undergraduate Research Festival.
- Schneider, B.,** Heskje, J., Tranel, D., & Belfi, A. M. (2016). The Left Temporal Pole is a Multimodal Mediator for Conceptual Knowledge of Concrete, Unique Entities. Spring Undergraduate Research Festival.
- Schneider, B.,** Belfi, A. M., & Tranel, D. (2016). The Left Temporal Pole is a Multimodal Mediator for Conceptual Knowledge of Concrete, Unique Entities. Spring Undergraduate Research Festival.
- Schneider, B.,** Belfi, A. M., & Tranel, D. (2015). The Left Temporal Pole is Necessary for Individuals to Retrieve Conceptual Knowledge for Faces, Landmarks, and Melodies. Fall Undergraduate Research Festival.
- Schneider, B.,** Belfi, A. M., & Tranel, D. (2015). How the Brain Retrieves Knowledge. Pitch Your Project Three Minute Competition.
- Schneider, B.,** Belfi, A. M., & Tranel, D. (2015). Damage to the left temporal pole disrupts retrieval of musical melodies from name. Spring Undergraduate Research Festival.
- Schneider, B.,** Belfi, A. M., & Tranel, D. (2014). Damage to the left temporal pole disrupts retrieval of musical melodies from name. Fall Undergraduate Research Festival.

### ***Non-Peer Reviewed Publication***

- Schneider, B.** (2020) How the Cost of Internship Contributes to Inequities in Clinical Psychology. *PCSAS Newsletter. Diversity Issues in Clinical Science.*

## **Community Outreach and Leadership Experience**

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- 2020-present Clinical Training Workgroup for Diversity and Inclusion: Currently serving as part of a workgroup to improve our department clinic's applied skills in diverse populations through advising on outreach to the community, changes to the curriculum, and improving the inclusivity within the clinic.
- 2020-present Regular contributor for PCSAS student newsletter: Contribute a short article each issue dedicated to topics related to clinical science
- 2019-present Psychological Clinical Science Accreditation System (PCSAS) Student Representative: Currently serving a two-year term as the UW-Madison student representative for PCSAS. Also serving as a peer reviewer for the monthly PCSAS newsletter.

- 2018-2019 Psychoeducation Workshops: Provide monthly workshops of different mental health topics to doctoral students in the UW-Madison School of Pharmacy. Presented to the UW Psychology Department talk on well-being in graduate school.
- 2017-2018 Building Academic, Social, and Emotional Support (BASES) mentor: Worked weekly with a second-grade student at-risk for homelessness within the school for an academic year. Provided extra support for reading, math, and other learning activities.
- 2015-2016 Founded and president of the Neuroscience Journal Club: Started a student organization dedicated to providing a friendly environment for students to network and discuss neuroscience with other interested students.
- 2015 Research in the Capitol Outreach Event: Presented research to lawmakers with selected students from Iowa universities to promote science and research.
- 2014 Volunteer Tutor Provided free tutoring services to undergraduate students in biology and chemistry.
- 2013 University of Iowa Hospitals and Clinics Volunteer

## Awards & Scholarships

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- University of Iowa Dean's List Fall 2013-2016
- University of Iowa President's List Fall Spring 2014
- University of Iowa Old Gold Scholarship Fall 2012-2016
- Commended Poster Presentation Fall Fall 2014
- Excellence in Undergraduate Research Award Spring Spring 2015
- Iowa Center for Research by Undergraduates Fellow Fall 2015-2016
- University of Wisconsin-Madison Graduate Fellowship Fall 2016-2017
- Messerschmidt Scholarship Fall 2020
- University of Wisconsin-Madison Graduate Fellowship Fall 2020-2021

## Professional Organizations

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American Psychological Association Student Member  
SCN Division 40 Student Member  
International Neuropsychological Society Student Member

## References

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**Michael Koenigs, Ph.D.**  
University of Wisconsin-Madison  
Professor, Department of Psychiatry  
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**Linnea Burk, Ph.D.**  
University of Wisconsin-Madison  
Clinic Director  
Email: burk@wisc.edu

**Sara Swanson, Ph.D., ABPP-CN**  
Medical College of Wisconsin  
Chief, Professor in Neurology

**Alissa Butts, Ph.D., ABPP-CN**  
Medical College of Wisconsin  
Assistant Professor in Neurology

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