

Curriculum Vitae

VICTOR J. POKORNY
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Education

PhD., University of Minnesota, Cognition and Brain Sciences Advisor: Cheryl Olman Co-Advisor: Scott Sponheim	2024
MA, University of Minnesota, Clinical Psychology	2022
BA, University of Wyoming, Music Education	2015

Academic Appointments

Department of Psychology/Northwestern University Postdoctoral Fellow	2024-
Department of Psychology/University of Minnesota Research Assistant	2021-2024

Academic Administrative Appointments

Summer Undergraduate Research Program/University of Minnesota Seminar Coordinator	2021, 2022
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Clinical/Hospital Appointments

Mhealth Fairview/University of Minnesota Clinical Psychology Practicum Student	2021-2023
Behavioral Health Clinic for Families/University of Minnesota Clinical Psychology Practicum Student	2022-2023

Government Positions

Minneapolis Veterans Affairs Health Care Center Research Assistant	2017-2021
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Current Membership in Professional Organizations

Consortium for Vision and Oculomics in Psychiatry	2024-
Schizophrenia International Research Society	2024-

Society for Research in Psychopathology	2019-
Society for Psychophysiological Research	2022-
Visual Sciences Society	2022-
Neuromatch Academy	2023-

RESEARCH, SCHOLARSHIP, AND CREATIVE WORK

Grants, Awards, Contracts from External Sources

Award: Graduate Research Fellowship
Principal Investigator: Victor Pokorny
Status: Active
Sponsoring Organization: National Science Foundation
Award Dates: 2021-2024
Funded Amount: ~\$110,000

Award: UC-Davis/SDSU ERP Bootcamp Scholarship
Sponsoring Organization: NIH
Award Date: June 2021
Funded Amount: ~\$3000

Award: Student Poster Award
Sponsoring Organization: Society for Psychophysiological Research
Award Date: November 2022
Funded Amount: \$300

Grants, Awards, Gifts from Internal Sources

Award: Brain Imaging Grant: Student Award
Project Investigators: Victor Pokorny, Cheryl Olman, Scott Sponheim, Charisse Pickron
Status: Completed
Sponsoring Organization: College of Liberal Arts:
Institution: University of Minnesota
Award Dates: May 2022-September 2023
Funded Amount: \$5,000

Award: Brain Imaging Grant: Faculty Award
Project Investigators: Victor Pokorny, Cheryl Olman, Scott Sponheim, Charisse Pickron
Status: Completed
Sponsoring Organization: College of Liberal Arts:
Institution: University of Minnesota
Award Dates: May 2022-September 2023
Funded Amount: \$15,000

Award: Garnezy Award for Excellence in Clinical Science
Sponsoring Organization: Department of Psychology
Institution: University of Minnesota
Award Date: January 2022

Funded Amount: \$2,500

Award: Research Travel Award

Sponsoring Organization: Department of Psychology

Institution: University of Minnesota

Award Date: September, 2022

Funded Amount: \$1,200

Award: David T. Lykken Memorial Award

Sponsoring Organization: Department of Psychology

Institution: University of Minnesota

Award Date: May, 2022

Funded Amount: \$1,250

Publications

Pokorny, V. J. (2024). Peak Alpha Frequency, Visual Perception, and Cognition in Schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.
<https://doi.org/10.1016/j.bpsc.2024.09.007>

Pokorny, V. J., Sponheim, S. R., Olman, C. A. (2024). Orientation-dependent contextual modulation of contrast in schizophrenia. *Schizophrenia Research*.
<https://doi.org/10.1016/j.schres.2024.10.021>

Pokorny, V. J., Klein, S. D., Teich, C. D., Sponheim, S. R., Olman, C. A., & Wilson, S. (2024). Atypical Use of Visuospatial Context in Psychotic Psychopathology: A Meta-analysis. *Schizophrenia Bulletin*. <https://doi.org/10.1093/schbul/sbae081>

Klein, S. D., Teich, C. D., Pokorny, V. J., Rawls, E., Olman, C. A., & Sponheim, S. R. (2024). Altered Use of Context During Visual Perception in Psychotic Psychopathology: A Neurophysiological Investigation of Tuned and Untuned Suppression During Contrast Perception. *Schizophrenia Bulletin*. <https://doi.org/10.1093/schbul/sbae103>

Sponheim, S. R., Stim, J. J., Engel, S. A. & Pokorny, V. J. (2023). Slowed Alpha Oscillations and Percept Formation in Psychotic Psychopathology. *Frontiers in Psychology*.
<https://doi.org/10.3389/fpsyg.2023.1144107>

Pokorny, V. J., Schallmo, M-P., Sponheim, S. R., & Olman, C. (2023). Weakened untuned gain control is associated with schizophrenia while atypical orientation-tuned suppression depends on visual acuity. *Journal of Vision*. 23(2). <https://doi.org/10.1167/jov.23.2.2>

Ramsay, I. S., Pokorny, V. J., Lynn, P.A., Klein, S. D., Sponheim, S. R. (2023). Limited consistency and strength of neural oscillations during sustained visual attention in schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.
<https://doi.org/10.1016/j.bpsc.2023.02.001>

Pokorny, V. J., Rawls, E., & Sponheim, S. (2022). Registered Report: Impact of Reduced-Dimensionality Independent Components Analysis on Event-Related Potential Measurements. *Psychophysiology*. <https://doi.org/10.1111/psyp.14223>

Marquardt, C., Pokorny, V., Disner, S., Nelson, N., McGuire, K., & Sponheim, S. (2022). Inefficient Attentional Control Explains Verbal Memory Deficits Among Military Veterans with Posttraumatic Reexperiencing Symptoms. *Clinical Psychological Science*.
<https://doi.org/10.1177/21677026211025018>

Longenecker, L., Pokorny, V., Olman, C., & Sponheim, S. (2021). Self-reported perceptual

aberrations in psychosis map to event-related potentials and semantic appraisals of objects. *Journal of Abnormal Psychology*. <https://doi.org/10.1037/abn0000697>

Marquardt, C., Pokorny, V., Kang, S., Cuthbert, B., & Sponheim, S. (2021). Posttraumatic Stress Symptom Dimensions and Brain Responses to Startling Auditory Stimuli in Combat Veterans. *Journal of Abnormal Psychology*. <https://doi.org/10.1037/abn0000552>

Pokorny, V. J., & Sponheim, S. R. (2021). Neural Indicator of Altered Mismatch Detection Predicts Atypical Cognitive-Perceptual Experiences in Psychotic Psychopathology. *Schizophrenia Bulletin*. <https://doi.org/10.1093/schbul/sbab127>

Pokorny, V., Espensen-Sturges, T., Burton, P., Sponheim, S., & Olman, C. (2020). Aberrant Cortical Connectivity during Ambiguous Object Recognition is Associated with Schizophrenia. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. doi:10.1016/j.bpsc.2020.09.018.

Pokorny, V., Lano, T., Schallmo, M-P., Olman, C., & Sponheim, S. (2019). Reduced influence of perceptual context in schizophrenia: Behavioral and neurophysiological evidence. *Psychological Medicine*. <https://doi.org/10.1017/S0033291719003751>

Preprints

Pokorny, V. J., Weldon, K. B., & Olman, C. A. (2024). Surround Suppression of Broadband Images. *bioRxiv* (p. 2024.05.15.594329). <https://doi.org/10.1101/2024.05.15.594329>

Presentations, Posters, and Exhibits

Speaking Engagements

Pokorny, V. J., (2024, July). Does Increased Internal Noise Explain Reduced Surround Suppression in Schizophrenia. Consortium for Vision and Oculomics in Psychiatry. Rochester, NY.

Pokorny, V. J., (2024, May). Atypical Use of Visuospatial Context in Schizophrenia, Bipolar Disorder, and Subclinical Populations. Symposium on Neurodiversity in Visual Functioning. Visual Sciences Society. St. Pete's Beach, FL.

Pokorny, V. J., (2023, September). Atypical Use of Visuospatial Context in Psychotic Psychopathology: a Meta-analysis. Fall Symposium: Center for Applied & Translational Sensory Science. Minneapolis, MN.

Pokorny, V. J., (2023, January). Mechanisms of Atypical Perception in Psychotic Psychopathology. Department of Psychology Perception Lunch. Minneapolis, MN.

Pokorny, V., & Sponheim, S. (2021, April). Neural Indicators of Altered Auditory Novelty Detection Predict Atypical Cognitive-Perceptual Experiences in Psychotic Psychopathology. Speaker at UMN Research Day, Minneapolis, MN.

Poster Presentations

Pokorny, V. J., & Olman, C. A. (2023, June). Do Neural Networks Experience Visual Illusions? Poster presented at the 3M Poster Session, Minneapolis, MN.

Pokorny, V. J., Rawls, E., & Sponheim, S. (2022, September). Impact of Reduced-Dimensionality Independent Components Analysis on Event-Related Potential Measurements. Poster presented at Society for Psychophysiological Research, Vancouver, BC.

Pokorny, V., Espensen-Sturges, T., Burton, P., Sponheim, S., & Olman, C. (2020, April). Evidence of Aberrant Cortical Activation during Ambiguous Object Recognition in Psychosis. Poster presented at Society of Biological Psychiatry, New York, New York.

Pokorny, V., Marquardt, C., Teich, C., & Sponheim, S. (2019, September). Psychosis is Associated with Attenuated Early Alpha Synchronization and Normative Late Alpha Desynchronization During Auditory Processing. Poster presented at Society for Research in Psychopathology, Buffalo, NY.

Pokorny, V., Schallmo, M-P., Olman, C., & Sponheim, S. (2019, May). EEG Measures Reflect Diminished Visual Context Processing in Psychotic Disorders. Poster presented at Minneapolis VA Research Day, Minneapolis, MN.

Pokorny, V., Marquardt, C., Kang, S., & Sponheim, S. (2018, May). Physiological responses to aversive combat stimuli associated with PTSD. Poster presented at Minneapolis VA Research Day. Minneapolis, MN.

Commentaries on My Work

Bansal, S. (2021). Object Recognition in Psychosis: Altered Connectivity Between Levels of the Visual Perceptual Hierarchy. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 6(12):1122-1124. <https://doi.org/10.1016/j.bpsc.2021.08.005>

TEACHING

University of Minnesota

Guest Lecture, Visuospatial Context and Schizophrenia, PSY 5993,	February 2023
Role: Lecturer, 5-10 participants	

PROFESSIONAL DEVELOPMENT

"UC-Davis/SDSU ERP Bootcamp", NIH	Summer 2021
"Machine Learning for Causal Discovery Workshop", NIMH	Summer 2022
"Software Carpentry Series: SQL & Database Management", Univ. of Minnesota	Fall 2022
"Neuromatch: Computational Neuroscience", Neuromatch	Summer 2023

ADVISING AND MENTORING

Directed Research Advising

Sarah Gonsalves, Psychology	Spring 2023
Varun Iyer, Psychology	Spring 2023

Research Mentoring

Camille Merhi, Neuromodulation Medicine Fellow	2022-2023
James Crim, RA at Minneapolis VA	2019-2021
Yunzhi Chen, RA at Minneapolis VA	2021-2022

SERVICE

Service to the Discipline

Ad Hoc Reviewer:
 Schizophrenia Bulletin
 Biological Psychiatry: Cognitive Neuroscience and Neuroimaging
 Schizophrenia Research
 npj Schizophrenia
 Scientific Reports
 BMC Psychiatry
 Journal of Psychiatric Research
 Journal of Abnormal Child Psychology

Service to the University of Minnesota

Research Taskforce Member, DEI Committee: Clinical Science Research and
Psychopathology

2020-2022

Service to the Community

Brain Awareness Program: visited local middle schools teaching 7th
graders about neuroscience

2020-2022