

Curriculum Vitae

KATE MILEY, PhD, CNP, PMHNP-BC

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EDUCATION

- PhD, 2022 University of Minnesota, School of Nursing, Minneapolis, MN
- MS, 2014 Boston College Connell School of Nursing, Boston, MA
Psychiatric Mental Health Nurse Practitioner specialty
Sigma Theta Tau, Alpha Chi chapter honor society
- BS, 2008 Northeastern University, Boston MA
Major: Philosophy
Summa cum laude

PROFESSIONAL LICENSURE AND CERTIFICATIONS

- Registered Nurse, Minnesota, issued July 2014; License #221768-4
- Certified Nurse Practitioner, Minnesota, issued January 2015; License #CNP-1746
- ANCC Psychiatric Mental Health Nurse Practitioner (PMHNP) Certification, issued July 2014; #2014010964

CLINICAL PRACTICE POSITIONS

- University of Minnesota, Outpatient Psychiatry Clinic, Minneapolis, MN** 8/17 – present
Psychiatric-Mental Health Nurse Practitioner, First Episode Psychosis and Early-Stage Mood Disorders specialty clinics; Co-Director of Early-Stage Mood Disorders clinic.
- Hennepin County Medical Center, Adult Outpatient Psychiatry Clinic, Minneapolis, MN** 11/14 – 7/17
Psychiatric-Mental Health Nurse Practitioner

RESEARCH POSITIONS

- HealthPartners Institute, Minneapolis, MN** 8/22 – Present
Assistant Research Investigator
Research interests and specialty areas: first episode psychosis, bipolar disorder, serious mental illness (SMI), early intervention in psychiatry, health promotion and cardiovascular comorbidities in SMI, social isolation and social functioning, suicide prevention, clinical decision support, machine learning
- University of Minnesota, School of Nursing** 1/19 – 2/22
PhD Candidate
Dissertation: Understanding Social Functioning Deficits in Health and First Episode Schizophrenia: A Data Driven Approach Towards Improved Identification and Treatment

- Vinogradov Lab, University of Minnesota Department of Psychiatry** 1/18 – 2/22
Graduate Student Researcher (PI: Sophia Vinogradov, MD)
 Provided research support for the National Institutes of Mental Health funded R21 protocol “Is Cognitive Training Neuroprotective in Psychosis?” (PI Sophia Vinogradov, MD) by collecting structural and resting state MRI scans on 3T and 7T scanners and performing preliminary data analysis
- University of Minnesota, School of Nursing** 9/17 – 1/18
Graduate Research Assistant (PI: Fang Yu, PhD, RN)
 Provided research support for the National Institutes of Aging funded RO1 protocol “Aerobic exercise in Alzheimer’s Disease: Cognition and Hippocampal Volume Effects
- Boston College Connell School of Nursing, Boston, MA** 2013 – 2014
Graduate Research Assistant (PI: Joyce Edmonds, PhD, MPH, RN)
 Designed and tested interview guide for qualitative study of women’s decision-making factors regarding when to present to the hospital during labor
- Minneapolis Medical Research Foundation (Hennepin Health), Minneapolis, MN** 2011 – 2012
Research Coordinator (PI: Anne Murray, MD)
 Managed an NIH funded study of the effects of chronic kidney disease on cognitive functioning and stroke incidence in 450 participants
- Sleep Health Centers, Brigham and Women’s Hospital Affiliate, Boston, MA** 2009 – 2010
Research Coordinator (PI: John Winkleman, MD, PhD)
 Managed several active research studies on Restless Legs Syndrome and Sleep Related Eating Disorder
- Massachusetts General Hospital, Schizophrenia Research Program, Boston, MA** 2007 – 2008
Research Assistant/Undergraduate Fellow (PI: David Henderson, MD)
 Performed extensive medical records review to create a database used to analyze the correlation between clozapine dosage in patients with schizophrenia and cardiovascular and metabolic effects; performed literature reviews, prepared tables and figures, and drafted manuscripts for publication

AWARDS, SCHOLARSHIP, LEADERSHIP

- 2019-2020 Journal of the American Psychiatric Nurses Association (JAPNA) Board Scholar (mentored experience in journal review and editorial process)
- 2019 Board of Directors Scholar Travel Award, American Psychiatric Nurses Association
- 2019 Student Travel Award, International Society of Psychiatric Nursing
- 2018-2020 Jonas Nurse Scholar, Jonas Philanthropies and University of Minnesota School of Nursing
- 2017 Rahr Fellowship in Nursing Research, University of Minnesota School of Nursing
- 2017 Beatrice L. Witt Endowment Fund scholarship recipient, University of Minnesota School of Nursing
- 2014 Connell School of Nursing Award for Clinical Excellence, Boston College
- 2014 Master’s Comprehensive Exam, Distinction, Boston College
- 2014 Key Award recipient for notable scholarship, Boston College
- 2013 – 2014 Helene Fuld Scholarship for academic excellence, Boston College

- 2012 – 2014 Robert Wood Johnson Foundation New Careers in Nursing scholar, Boston College
- 2012 – 2014 Keys to Inclusive Leadership in Nursing scholar, Boston College
- 2010 March of Dimes Community Grant (\$10,335) for Midwives Alliance of West Virginia Pregnancy Mentoring project, Marlinton, WV
- 2010 Open Meadows Foundation grant (\$1000) for Midwives Alliance of West Virginia website redesign project, Marlinton, WV
- 2008 Massachusetts General Hospital General Clinical Research Center, Undergraduate Fellow, Boston, MA

RESEARCH FUNDING

- 2021 Ruth L. Kirschstein National Research Service Award (NRSA) F31-Diversity Individual Fellowship, National Institute of Mental Health
- 2020 Doctoral Dissertation Fellowship (deferred), University of Minnesota Graduate School
- 2019-2021 Predoctoral fellow (TLI); NIH National Center for Advancing Translational Sciences and University of Minnesota Clinical and Translational Science Institute
- 2018 Clinical and Translational Science Institute Advanced Pathways to Research Scholar, University of Minnesota

PUBLICATIONS

Accepted and published manuscripts

Miley, K., Meyer-Kalos, P., Ma, S., Bond, D.J., Kummerfeld, E, & Vinogradov, S. (2021) Causal pathways to social and occupational functioning in the first episode of schizophrenia: uncovering unmet treatment needs. *Psychological Medicine*. Advance online publication. <https://doi.org/10.1017/S0033291721003780>

Schermitzler, B., **Miley, K.**, Vinogradov, S., & Ramsay, I.S. (2021). Smoking is related to reduced motivation, but not global cognition, in the first two years of treatment for first episode psychosis. *Journal of Clinical Medicine*, 10(8):1619. <https://doi.org/10.3390/jcm10081619>

Miley, K., Fischer, M., Nahum, M., Howard, E., Rowlands, A., Brandrett, B., Woolley, J., Hooker, C.I, Biagiatti, B., Ramsay, I.S., & Vinogradov, S. (2020). Supplementing targeted computerized cognitive training with social cognition exercises in schizophrenia: Durability of effects six months after training. *Schizophrenia Research: Cognition*, 20, 100171. <https://doi.org/10.1016/j.scog.2019.100171>

Puig, O., Fisher, M., Loewy, R., **Miley K.**, Ramsay I.S., Carter, C., Regland, D... & Vinogradov, S. (2020). Early versus adult onset schizophrenia as a predictor of response to neuroscience informed cognitive training. *Journal of Clinical Psychiatry*, 81(2). <https://doi.org/10.4088/JCP.18m12369>

Miley, K., Hadidi, N., Kaas, M., & Yu, F. (2020). Cognitive training and remediation in first episode psychosis: A literature review. *Journal of the American Psychiatric Nurses Association*, 26(6), 542-554. <https://doi.org/10.1177/1078390319877952>

Edmonds, J.K., **Miley, K.**, Angelini, K., & Shah, N. (2018). Decisions about timing of hospital arrival among low-risk nulliparous women after spontaneous labor onset at home. *Journal of Midwifery and Women's Health*, 63(4), 455-461. <https://doi.org/10.1111/jmwh.12741>

Murray, A., Bell, E., Tupper, D., Pederson, S., Amiot, E., **Miley, K.**, McPherson, L... & Knopman, D. (2016). The BRain IN Kidney disease (BRINK) study design and baseline cohort characteristics. *American Journal of Kidney Disease*, 67(4): 563-600. <https://doi.org/10.1053/j.ajkd.2015.11.008>

Henderson, D. C., Fan, X., Copeland, P. M., Sharma, B., Borba, C. P., Forstbauer, S.I., **Miley, K.**,... & Goff, D.C. (2009). Ziprasidone as an adjuvant for clozapine-or olanzapine-associated medical morbidity in chronic schizophrenia. *Human Psychopharmacology: Clinical and Experimental*, 24(3), 225-232. <https://doi.org/10.1002/hup.1012>

Henderson, D.C., Kapetanovic, A., Culhane, M. A., Lavelle, J., **Miley, K.**, Gray, D, ... & Mollica, R. F. (2008). Building primary care practitioners' attitudes and confidence in mental health skills in post-conflict Bosnia and Herzegovina. *International Journal of Culture and Mental Health*, 1(2), 117-133. <https://doi.org/10.1080/17542860802456653>

Oruc, L., Kapetanovic, A., Pojskic, N., **Miley, K.**, Forstbauer, S., Mollica, R. F., & Henderson, D. C. (2008). Screening for PTSD and depression in Bosnia and Herzegovina: validating the Harvard Trauma Questionnaire and the Hopkins Symptom Checklist. *International Journal of Culture and Mental Health*, 1(2), 105-116. <https://doi.org/10.1080/17542860802456620>

Manuscripts under review

Miley, K., Michalowski, M., Yu, F., Leng, E., McMorris, B., & Vinogradov, S. Individual Prediction of Social Functioning Outcomes in Healthy Young Adults: A Machine Learning Study Integrating Neuroanatomical, Cognitive, and Behavioral Data.

Manuscripts in preparation

Miley, K. Vinogradov, S., Delaney, C., Kummerfeld, K., Michalowski, M., & McMorris, B. Prognostic Models of Social and Occupational Functioning Outcomes in Schizophrenia Spectrum Disorders: A Critical Review of Machine Learning Studies.

Bond, D., Ma, S., **Miley, K.**, Frye, M., Biernacka, J., McElroy, S., Kummerfeld, E. Causal modeling of symptom networks to identify primary and secondary symptoms in bipolar disorder.

Book chapters

Henderson, D. C. & **Miley, K.** (2009). Glucose intolerance and diabetes in patients with schizophrenia. In J Meyer & H. Nasrallah (Eds.), *Medical Illness in Schizophrenia*. Arlington, VA: American Psychiatric Publishing.

PRESENTATIONS

Miley, K., Michalowski, M., & Vinogradov, S. Towards a bio-behavioral model of social functioning outcomes: a machine learning approach. Poster presentation. Schizophrenia International Research Society annual meeting. April 2021. Virtual format.

Miley, K. A data-driven approach to identify the brain and cognitive mechanisms of social functioning in health and early schizophrenia. Podium presentation. Artificial Intelligence in Medicine (AIME) 18th annual conference. August 2020. Virtual format.

Miley, K., Vinogradov, S., & Kummerfeld, K. Causal discovery modeling identifies high impact treatment targets for social and occupational functioning in first episode psychosis. Poster presentation. Schizophrenia International Research Society annual meeting (canceled due to COVID-19). April 2020. Florence, Italy.

Miley, K., Yu, F., Ramsay, I.S., & Vinogradov, S. Structural neural correlates of social functioning in first episode psychosis and malleability in response to targeted cognitive training. Poster presentation. Translational Science annual meeting (moved to abbreviated virtual format due to COVID-19). April 2020. Washington, D.C.

Miley, K. & Dalhoe, M. Coordinated Specialty Care for first episode psychosis: an innovative interprofessional care model to promote recovery for individuals experiencing psychosis: implementation, initial successes and future directions. Podium presentation. International Society of Psychiatric Nursing Annual conference (canceled due to COVID-19). March 2020. San Antonio, TX.

Miley, K., Vinogradov, S., & Kummerfeld, K. Causal discovery modeling identifies high impact treatment targets for social and occupational functioning in early schizophrenia. Poster presentation. University of Minnesota Clinical and Translational Science Institute annual poster fair (academic and lay audience). September 2019. Minneapolis, MN.

Miley K., Ramsay, I.S., Capezzi, R., Rancher, S., & Vinogradov, S. Neural correlates of social functioning in first episode psychosis. Poster presentation. International Society of Psychiatric Nursing. May 2019. Charlotte, NC.

Lindholm, J., Carpentier, R., **Miley, K.,** Pientka, D, Ramsay, I., & Zagaloff, A. Coordinated Specialty Care for first episode psychosis: Strengths program. Podium presentation. National Center for Interprofessional Practice and Education, Nexus Summit 2018. July 2018. Minneapolis, MN

Miley, K. The Brain and The Body: Medical Comorbidities in Psychiatric Illness. Podium presentation. Hennepin County Medical Center Mental Health Awareness Month presentation series. May 2017.

TEACHING EXPERIENCE

Clinical Preceptorships

University of Minnesota School of Nursing, Psychiatric Mental-Health Nurse Practitioner DNP program
Spring 2019, Spring 2020

Guest Teaching, Seminars and Teaching Assistantships

University of Minnesota School of Nursing, Office of Nursing Research and Scholarship
Research seminar: Successful Grant Resubmissions: Cultivating a Resubmission Mindset
Spring 2021

University of Minnesota School of Nursing, Psychiatric Mental-Health Nurse Practitioner DNP program
NURS 6504 Assessing, Managing Psychiatric Disorders in Adv Practice Psychiatric-Mental Health
Nursing, Fall 2020, Spring 2021

University of Minnesota School of Nursing, Psychiatric Mental-Health Nurse Practitioner DNP program

NURS 6602 PMH Advanced Practice Nursing: Group as a Health Care Intervention
Fall 2020

Northeastern University Department of Philosophy and Religion, Boston, MA
Teaching Assistant, Intro to Logic, 2018-2019

PROFESSIONAL MEMBERSHIPS

Member, American Psychiatric Nurses Association
Member, International Society of Psychiatric Mental Health Nurses
Member, Schizophrenia International Research Society
Member, International Society of Bipolar Disorders