

Katherine Magruder

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EDUCATION

In progress Doctor of Philosophy
Clinical Psychology, University of Wisconsin – Madison

2016 M.S., Clinical Psychology
University of Wisconsin - Madison

2012 B.S., Psychology
B.S., Chemistry
Virginia Polytechnic Institute and State University

CLINICAL EXPERIENCE

2018 – PRESENT Practicum Student, William S. Middleton Memorial Veterans Hospital
Supervisors: Belinda Gutierrez, Ph.D., Valerie Maine, Psy.D., Jessica Engle, Ph.D.

- Conduct psychological diagnostic intake interviews and provide evidence-based treatments for veterans with PTSD (Cognitive Processing Therapy, Prolonged Exposure Therapy, and CBT for Insomnia)
- Co-facilitate group therapies for veterans with PTSD (Cognitive Processing Therapy, Behavioral Activation, Acceptance and Commitment Therapy for PTSD)
- Provide tele-mental health (TMH) evidence-based treatments for veterans with PTSD to various community-based outpatient clinics and homes in rural areas
- Administered and wrote differential diagnostic assessments reports (MINI, CAARS, CAPS-5, MMPI-2, SCID-IV Personality Disorders, PAI, BDI-II, Test of Memory Malingering, Dot Counting Test, Autism Spectrum Quotient, MoCA, WRAT-4, Toronto Alexithymia Scale, Difficulties in Emotion Regulation Scale)

2017 – PRESENT Practicum Student, Psychology Research and Training Clinic, UW Madison
Graduate Research Clinician, Addiction Research Center, UW Madison
Supervisor: Chris Gioia, Ph.D., Linnea Burk, Ph.D.

- Conduct Structured Clinical Interviews for DSM-5 (SCID-5-RV) for diagnostic assessment of alcohol use disorder and other comorbidities for participants in a clinical trial (title: targeting noradrenergic stress mechanisms in alcoholism with doxazosin)
- Provide brief motivational enhancement therapy for research participants pursuing alcohol abstinence in a clinical trial (title: targeting noradrenergic stress mechanisms in alcoholism with doxazosin)
- Provide supervision of graduate students providing brief motivational enhancement therapy

- 2017 – 2018 Practicum Student, University Health Services, UW Madison
Supervisors: Ben de Boer, Psy.D., Rachel Bitman-Heinrichs, Ph.D., Tamar Kelson, Ph.D., Jocelyn Keiser, Psy.D., Jenna Wieden, MA
- Provided individual psychotherapy (CBT, DBT, ACT, mindfulness-based relaxation techniques)
 - Co-facilitated group therapies that focus on gaining coping skills, managing cognitive, behavioral, and physiological symptoms of anxiety, and enhancing awareness of signs and symptoms as well as strategies to cope with depression
 - Led single-session group workshops focused on teaching strategies to enhance student's academic success and practice confronting common challenges including time management skills, managing test anxiety, and increasing self-awareness, focus, and attention
- 2015 – 2018 Practicum Student, Psychology Research and Training Clinic, UW Madison
Supervisors: Linnea Burk, Ph.D., & Chris Gioia, Ph.D.
- Conducted psychological diagnostic intake interviews and individual psychotherapy (CBT, DBT, MI, mindfulness-based relaxation techniques)
 - Administered and wrote integrative child, adolescent, and adult neuropsychological/cognitive assessments reports (WAIS-IV, WISC-V, WIAT-III, CVLT-C, PAI, WCST, CPT, BDI, BAI, WMS-III, MMPI-2)
- 2015 – 2018 Practicum Student, Psychology Research and Training Clinic, UW Madison
Graduate Research Clinician, Addiction Research Center, UW Madison
Supervisor: Megan Piper, Ph.D.
- Provided counseling for individuals enrolled in smoking cessation treatment research study using motivational interviewing techniques, psychoeducation on stress reduction, coping skills, distress tolerance strategies, and emotion regulation
 - Developed brief smoking cessation treatment based on materials from the American Lung Association's Freedom from Smoking Program
 - Provided peer supervision and conducted training for smoking cessation counselors
- 2008 – 2012 Volunteer, Raft Suicide and Crisis Hotline, Blacksburg, VA
Supervisor: Brittany Mabry, M.S.
- Provided brief intervention crisis counseling and suicide prevention

PUBLICATIONS

Bradford, D. E., Fronk, G. E., Sant' Ana, S. J., **Magruder, K. P.**, Kaye, J. T., Curtin, J. J. (2018). The need for precise answers for the goals of precision medicine in the alcohol dependence to succeed. *Neuropsychopharmacology*

Grant, S.S., **Magruder, K.P.**, & Friedman, B.H. (2018). Controlling for caffeine in cardiovascular reactivity research: A critical review. *International Journal of Psychophysiology*. doi:10.1016/j.ijpsycho.2018.07.001

Kaye, J. T., Bradford, D. E., **Magruder, K. P.**, & Curtin, J. J. (2017). Probing for neuroadaptations to unpredictable stressors in addiction: translational measures and emerging evidence. *Journal of Studies on Alcohol and Drugs*. 78, 353-371. doi: 10.1037/abn0000265

*Bradford, D. E., ***Magruder, K. P.**, Korhumel, R. A., & Curtin, J. J. (2014). Using the Threat Probability Task to assess anxiety and fear during uncertain and certain threat. *Journal of Visualized Experiment* (91). doi: 10.3791/51905 *These authors contributed equally

POSTERS

Magruder, K. P., Kaye, J. T., Fleming, M. N., Kayser, A. D., Schneck, S. S., & Curtin, J. J. (2018, October). The NPU task: Evaluating a surrogate endpoint for stress mechanisms in research on smoking cessation interventions. Poster presented at the 58th annual meeting of the Society for Psychophysiological Research, Quebec City, Canada

Magruder, K., & Curtin, J. J. (2017, April). The NPU stressor task: Evaluating a surrogate endpoint for research on stress mechanisms in substance use disorders. Poster presented at the 23rd annual Wisconsin Symposium on Emotion, Madison, WI.

Magruder, K., Curtin, J. J. (2016, September). Alcohol and prepotent response inhibition: ERP evidence of impaired cognitive control. Poster presented at the 56th annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.

Magruder, K., Bradford, D. E., Starr, M. J., Motschman, C. A., & Curtin, J. J. (2015, April). Alcohol stress response dampening on startle potentiation, self-report, and ERPs during threat of uncertain location. Poster presented at the 21st annual Wisconsin Symposium on Emotion, Madison, WI.

Magruder, K., Bradford, D.E., Starr, M.J., Motschman, C.A., Korhumel, R.A., Curtin, J.J. (2014, June). Alcohol stress response dampening of startle response, self-report, and ERPs during threat of uncertain location. Poster presented at the 37th annual meeting of the Research Society on Alcoholism, Bellevue, WA.

Bradford, D. E., **Magruder, K.**, Subramani, O. S., Marek, N. M., Curtin, J. J., & Piper, M. E. (2014, February). Smoking anticipation and actual smoking both lower physiological and psychological reactivity to stress for smokers in withdrawal. Poster presented at the 20th annual meeting of the Society for Research on Nicotine and Tobacco, Seattle, WA.

Allen, B., Spangler, D., Morrill, A., **Magruder, K.**, & Friedman, B. H. (2012, September). Coactivation of the parasympathetic and sympathetic nervous system during eyes-closed imagination. Poster presented at the 52nd annual meeting of the Society of Psychophysiological Research, New Orleans, LA.

McGinley, J.J., **Magruder, K.**, Morrill, A.R., Worthen, J., Flamini, M., & Friedman, B.H. (2012, September). Cardiovascular responses to lateralized facial cooling and foot cold pressor tasks: implications for ANS regulation models. Poster presented at the 52nd annual meeting of the Society of Psychophysiological Research, New Orleans, LA.

McGinley, J. J., **Magruder, K.**, Morrill, A. R., Worthen, J., Yang, X., Klineburger, P. K., & Friedman, B. H. (2012, May). Bilateral electrodermal responses to lateralized stimuli presentations. Poster presented at the 24th annual meeting of the Association of Psychological Science, Chicago, IL.

PRESENTATIONS

Magruder, K. (2015). Bridging the Gap: Predicting Smoking in the Real World from an Unpredictable Stressor Task. First Year Project Symposium, Psychology Department, University of Wisconsin – Madison.

Magruder, K. (2015). Establishing the External Validity of an Unpredictable Shock Threat Task: Bridging the Gap between the Laboratory and the Real World. Biology of Brain and Behavior, Perception, and Clinical Psychology Brown Bag, Psychology Department, University of Wisconsin – Madison.

Magruder, K. (2018). The NPU Threat Task: Evaluating a Surrogate Endpoint for Stress Mechanisms in Research on Smoking Cessation Interventions. Clinical Area Group Spring Research Symposium, Psychology Department, University of Wisconsin – Madison.

RESEARCH
EXPERIENCE

2014 - PRESENT Graduate Research Assistant
Addiction Research Lab, University of Wisconsin – Madison
Advisor: John Curtin, Ph.D.

2012 - 2014 Post-baccalaureate Research Assistant
Addiction Research Lab, University of Wisconsin – Madison
Advisor: John Curtin, Ph.D.

2010 - 2012 Undergraduate Research Assistant
Addictions Lab, Virginia Tech
Advisor: Robert Stephens, Ph.D.

2010 - 2012 Undergraduate Research Assistant
Anxiety Lab, Virginia Tech
Advisor: George Clum, Ph.D.

2011 - 2012 Undergraduate Research Assistant
Mind-Body Lab, Virginia Tech
Advisor: Bruce Friedman, Ph.D.

TEACHING
EXPERIENCE

2012 Teaching Assistant - General Chemistry Laboratory
Department of Chemistry, Virginia Tech
Professor: Patricia Amateis, Ph.D.

AWARDS AND
FELLOWSHIPS

2018 – PRESENT University Fellowship, University of Wisconsin – Madison

2018 Messerschmidt Travel Award, University of Wisconsin – Madison

2016 – 2018 National Institute of Health (NIH) Predoctoral Fellowship in Emotion Research

2016 – 2018 Hertz Foundation Travel Award, University of Wisconsin – Madison

2014 – 2015 University Fellowship, University of Wisconsin - Madison

2012 Outstanding Senior Award Class of 2012, Department of Psychology, Virginia Tech

2012 Undergraduate Award for Research Excellence, Department of Psychology, Virginia Tech

2010 Macromolecules & Interfaces Institute National Science Foundation (NSF) Fellowship

STATISTICAL AND METHODOLOGICAL SKILLS

- Statistical Software: R, SPSS
- Computer Programming: MATLAB (PsychToolbox, EEGLAB, PhysBox)
- Psychophysiology Methodology: EEG, ERP, facial EMG, eyeblink startle

PROFESSIONAL AFFILIATIONS

2014 – PRESENT Society for Psychophysiological Research
2014 – PRESENT American Psychological Association
2011 – PRESENT Social and Affective Neuroscience Society

REFERENCES

Dr. John Curtin, Professor, Psychology Department at University of Wisconsin – Madison, 1202 West Johnson St., Madison, WI 53706, (608) 262 0387, jjcurtin@wisc.edu

Dr. Belinda Gutierrez, Licensed Psychologist, William S. Middleton Memorial Veterans Hospital, 2500 Overlook Terrace Madison, WI 53705, (608) 256 1901 Ext. 11364, Belinda.Gutierrez@va.gov

Dr. Ben de Boer, Licensed Psychologist, University Health Services, University of Wisconsin – Madison, 333 East Campus Mall Madison, WI 53715-1381, (608) 265 8488, bideboer@uhs.wisc.edu

Dr. Megan E. Piper, Licensed Psychologist, Center for Tobacco Research and Intervention, University of Wisconsin – Madison, 1930 Monroe St., Suite 200 Madison, WI 53711-2027, (608) 265 5472, MEP@ctri.wisc.edu