

# Philip Deming

Curriculum Vitae

1/16/2025

Northeastern University | Department of Psychology  
360 Huntington Avenue | Boston, MA, USA 02115  
p.deming@northeastern.edu | philipdeming.com

## Academic Appointments

2021-Present Postdoctoral Fellow, Psychology, Northeastern University  
Advisors: Karen S. Quigley & Lisa Feldman Barrett

## Education

2017-2021 Ph.D., Psychology, University of Wisconsin-Madison  
Advisor: Michael Koenigs  
2015-2017 M.S., Psychology, University of Wisconsin-Madison  
Advisor: Michael Koenigs  
2009-2013 B.A., Psychology and German, University of Wisconsin-Madison

## Awards and Honors

2025 Post-doctoral Fellow Award, *Cognitive Neuroscience Society*  
2021 Cheryl Wynn Hare Award Finalist, *Society for the Scientific Study of Psychopathy*  
2020-2021 University Fellowship, *University of Wisconsin-Madison*  
2020 Teaching Fellow Award Alternate, *University of Wisconsin-Madison College of Letters & Science*  
2015-2016 University Fellowship, *University of Wisconsin-Madison*  
2014 Alternate, *Fulbright U.S. Student Program*

## External Grant Support

2023-2026 National Institute of Mental Health (F32MH133288). *Probing negative affect circuits in humans using 7T fMRI* (\$220,272). Principal Investigator: Deming.

## Peer-Reviewed Articles

9. Deming, P., Griffiths, S., Jalava, J., Koenigs, M., & Larsen, R.L. (2024). Psychopathy and medial frontal cortex: A systematic review reveals predominantly null relationships. *Neuroscience & Biobehavioral Reviews*, 167, 105904.
8. Deming, P., Cook, C.J., Meyerand, M.E., Kiehl, K.A., Kosson, D.S., & Koenigs, M. (2023). Impaired salience network switching in psychopathy. *Behavioural Brain Research*, 452, 114570.

7. **Deming, P.**, Heilicher, M., & Koenigs, M. (2022). How reliable are amygdala findings in psychopathy? A systematic literature review of MRI studies. *Neuroscience & Biobehavioral Reviews*, *142*, 104875.
6. **Deming, P.**, Eisenbarth, H., Rodrik, O., Weaver, S.S., Kiehl, K.A., & Koenigs, M. (2022). An examination of autonomic and facial responses to prototypical facial emotion expressions in psychopathy. *PLoS ONE*, *17*(7), e0270713.
5. **Deming, P.**, Dargis, M., Haas, B.W., Brook, M., Decety, J., Harenski, C., Kiehl, K., Koenigs, M., & Kosson, D.S. (2020). Psychopathy is associated with fear-specific reductions in neural activity during affective perspective-taking. *NeuroImage*, *223*, 117342.
4. **Deming, P.** & Koenigs, M. (2020). Functional neural correlates of psychopathy: A meta-analysis of MRI data. *Translational Psychiatry*, *10*(133), 1-8.
3. **Deming, P.**, Philippi, C., Wolf, R., Dargis, M., Kiehl, K.A., & Koenigs, M. (2018). Psychopathic traits linked to alterations in neural activity during personality judgments of self and others. *NeuroImage: Clinical*, *18*, 575-581.
2. Korponay, C., Pujara, M.S., **Deming, P.**, Philippi, C., Decety, J., Kosson, D.S., Kiehl, K.A., & Koenigs, M. (2017). Impulsive-antisocial psychopathic traits linked to increased volume and functional connectivity within prefrontal cortex. *Social Cognitive and Affective Neuroscience*, *12*(7), 1169-1178.
1. Korponay, C., Pujara, M.S., **Deming, P.**, Philippi, C., Decety, J., Kosson, D.S., Kiehl, K.A., & Koenigs, M. (2016). Impulsive-antisocial dimension of psychopathy linked to enlargement and abnormal functional connectivity of the striatum. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, *2*, 1-9.

## Book Chapters

1. **Deming, P.**, & Koenigs, M. (2021). Neuroimaging studies of psychopathy. In Dierckx, R.A., Otte, A., de Vries, E.F.J., van Waarde, A., & Sommer, I.E. (Eds) *PET and SPECT in Psychiatry* (2nd Ed.). Springer, Cham.

## Preprints

2. Zhang, J., Chen, D., **Deming, P.**, Srirangarajan, T., Theriault, J., Kragel, P.A., Hartley, L., Lee, K.M., McVeigh, K., Wager, T.D., Wald, L.L., Satpute, A.B., Quigley, K.S., Whitfield-Gabrieli, S., Barrett, L.F., & Bianciardi, M. (2025). Cortical and subcortical mapping of the allostatic-interoceptive system in the human brain using 7 Tesla fMRI. *bioRxiv*.
1. **Deming, P.** (2023). Burning neuroscientific questions about etiological models of psychopathy. *PsyArXiv*.

## Manuscripts in Preparation

5. **Deming, P.**, Satpute, A.B., Quigley, K.S., Kragel, P., Bianciardi, M., Wald, L., Wager, T.D., Choi, J-K., Zhang, J., Barrett, L.F., Katsumi, Y., & Theriault, J. (In Preparation). Person-specific changes in brainstem-cortical functional connectivity from resting-state to task: a 7T fMRI study of humans.
4. **Deming, P.**, Shaffer, C., Wagner, N.J., Quigley, K.S., & Barret, L.F. (In Preparation). Deconstructing psychopathy.

3. **Deming, P.**, Khan, Z., Hoemann, K., Marino, L., Runyun, Ş.L., Kross, Z., Gao, Y., Cory, L., Nielson, C., Feldman, M.J., Devlin, M., Dy, J., Barrett, L.F., Wormwood, J.B., & Quigley, K.S. (In Preparation). Multimodal patterns of cardiac activity, context, and affect in real-world settings vary between and within people.
2. **Deming, P.** (In Preparation). Using principles of neuroscience to refine etiological theories of psychopathy.
  1. Zhang, J., Chen, D., **Deming, P.**, Srirangarajan, T., Theriault, J., Kragel, P.A., Hartley, L., Lee, K.M., McVeigh, K., Wager, T.D., Wald, L.L., Satpute, A.B., Quigley, K.S., Whitfield-Gabrieli, S., Barrett, L.F., & Bianciardi, M. (Under Review). Cortical and subcortical mapping of the allostatic-interoceptive system in the human brain using 7 Tesla fMRI. *Nature Neuroscience*.

## Invited Talks

**Deming, P.** (2022, July). *Psychopathy and Emotion Research*. UW-Madison Badger Precollege (virtual).

**Deming, P.** (2020, Nov). *Functional Neural Correlates of Psychopathy*. University of Alberta Forensic Grand Rounds (virtual).

**Deming, P.** (2019, April). *The Neuroscience of Psychopathy*. UW-Madison Undergraduate Neuroscience Society NeuroNight, Madison, WI.

## Conference Presentations

**Deming, P.**, Khan, Z., Hoemann, K., Marino, L., Runyun, Ş.L., Kross, Z., Gao, Y., Cory, L., Nielson, C., Feldman, M.J., Devlin, M., Dy, J., Barrett, L.F., Wormwood, J.B., & Quigley, K.S. (2025, March). *Multimodal patterns of cardiac activity, context, and affect in real-world settings vary between and within people*. To be presented at the Society for Affective Science Conference, Portland, OR.

**Deming, P.**, Griffiths, S., Jalava, J., Koenigs, M., & Larsen, R.R. (2024, May). *The relationship between psychopathy and medial frontal cortex structure and function: A systematic review reveals predominantly null findings*. Society for the Scientific Study of Psychopathy Conference, Paphos, Cyprus.

**Deming, P.** (2023, June). *An examination of autonomic and facial responses to prototypical facial emotion expressions in psychopathy*. 21<sup>st</sup> World Congress of Psychophysiology, Geneva, Switzerland.

**Deming, P.** (2022, May). *Diminished switching role of the brain's salience network in high psychopathy incarcerated men*. Society for the Scientific Study of Psychopathy Conference (virtual).

**Deming, P.** (2021, May). *Reduced sympathetic arousal but not reduced mimicry in response to facial expressions in psychopathic individuals with low negative affect*. Society for the Scientific Study of Psychopathy Early Career Event (virtual).

**Deming, P.** (2019, May). *Psychopathy is associated with fear-specific reductions in neural activity during affective perspective-taking*. Society for the Scientific Study of Psychopathy Conference, Las Vegas, NV

## Posters

*\*denotes equal contributions*

**Deming, P.**, Satpute, A.B., Quigley, K.S., Kragel, P., Bianciardi, M., Wald, L.L., Wager, T.D., Choi, J-K., Zhang, J., Barrett, L.F., Katsumi, Y., & Theriault, J. (2025, March). Person-specific changes in brainstem-cortical functional connectivity during cognitive and affective tasks: a 7T fMRI study of humans. To be presented at the Cognitive Neuroscience Society Conference, Boston, MA.

Barton-Zuckerman, M., Marino, L., Payne, J., Gao, Y., **Deming, P.**, Barrett, L.F., Wormwood, J., & Quigley, K.S. (2024, October). Cardiovascular patterns associated with threat-challenge ratio: Replications of within-subjects analysis using Bayesian mixed modeling approach. Society for Psychophysiological Research Conference, Prague, Czech Republic.

Gao, Y., **Deming, P.**, Wormwood, J.B., Barrett, L.F., & Quigley, K.S. (2023, September). How does a set of cardiovascular variables explain subjective experience of valence and arousal during emotional scenario immersion? Society for Psychophysiological Research Conference, New Orleans, LA.

**Deming, P.**, Heilicher, M., & Koenigs, M. (2022, May). *The role of the amygdala in psychopathy: A systematic review of MRI studies*. Society for the Scientific Study of Psychopathy Conference (virtual).

**Deming, P.**, Eisenbarth, H., Rodrik, O., Weaver, S.S., & Koenigs, M. (2021, April). *Reduced sympathetic arousal but not reduced mimicry in response to facial expressions in psychopathic individuals with low negative affect*. Wisconsin Symposium on Emotion (virtual).

**Deming, P.** & Koenigs, M. (2019, April). *Structural and Functional Neural Correlates of Psychopathy: A Meta-analysis of MRI Data*. Wisconsin Symposium on Emotion, Madison, WI.

**Deming, P.**, Philippi, C.L., Wolf, R., Dargis, M., Kiehl, K.A., & Koenigs, M. (2017, May). *Psychopathic traits linked to alterations in cortical midline activity during personality judgments of self and others*. Society for the Scientific Study of Psychopathy Conference, Antwerp, Belgium.

**Deming, P.**, Dargis, M., Kiehl, K.A., Koenigs, M., & Kosson, D.S. (2017, April). *Psychopathy is associated with fear-specific reductions in neural activity during affective perspective-taking*. Wisconsin Symposium on Emotion, Madison, WI.

**\*Deming, P.**, \*Philippi, C.L., Gudmundson, C., Glueck, J., Wolf, R., Dargis, M., Kiehl, K.A., & Koenigs, M. (2016, April). *Parsing the Components of Psychopathic Personality Through a*

*Neuropsychological Study of Self- versus Other-focused Cognition*. Wisconsin Symposium on Emotion, Madison, WI.

## Teaching

2020-2021 Reader/Grader, University of Wisconsin-Madison, *The Criminal Mind*  
2018-2019 Teaching Assistant, University of Wisconsin-Madison, *The Criminal Mind*  
2017 Teaching Assistant, University of Wisconsin-Madison, *Child Psychopathology*

## Ad Hoc Reviewing

Aggression and Violent Behavior  
Behavioural Brain Research  
Biological Psychology  
Brain Structure and Function  
Cerebral Cortex  
Clinical Psychology Review  
Communications Biology  
Experimental Results  
Journal of Emotion and Psychopathology  
Journal of Psychopathology and Clinical Science  
Nature Mental Health  
NeuroImage  
Neuroscience and Biobehavioral Reviews  
Neuroscience Letters  
PLoS ONE  
Psychological Medicine  
Psychology, Crime & Law  
Psychology Research and Behavior Management  
Scientific Reports  
Social Cognitive and Affective Neuroscience

## Media Coverage

“Psychopathy linked to fear-specific reductions in brain activity when taking another’s perspective” by Eric W. Dolan, PsyPost, February 21, 2021.  
<https://www.psypost.org/2021/02/psychopathy-linked-to-fear-specific-reductions-in-brain-activity-when-taking-anothers-perspective-59729>