

Stanford



Michael I. Demidenko

Postdoctoral Scholar, Psychology

Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- T32 NICHD Developmental Psychology Training Grant Fellowship, University of Michigan (07/2019 - 05/2021)
- F32 Ruth L. Kirschstein Postdoctoral Individual National Research Service Award (\$213,046), National Institute on Drug Abuse (NIDA) (07/2022 - 06/2025)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Michigan Ann Arbor (2022)
- Bachelor of Science, Portland State University (2012)
- Master of Science, University of Michigan Ann Arbor (2019)
- Associate of Arts, Clackamas Community College (2010)
- Certificate, University of Michigan , Data Science (2020)

STANFORD ADVISORS

- Russell Poldrack, Postdoctoral Faculty Sponsor

LINKS

- PyReliMRI: Python package to estimate reliability in MRI data: <https://pyreliMRI.readthedocs.io/en/latest/>
- MLS: Multi-run, multi-session monetary incentive delay task fMRI open dataset: <https://doi.org/10.18112/openneuro.ds005027.v1.0.1>
- AHRB: Multi-run, multi-session monetary incentive delay task fMRI open dataset: <https://doi.org/10.18112/openneuro.ds005012.v1.0.1>
- Personal website: <https://www.michaeldemidenko.com/>

Publications

PUBLICATIONS

- **Impact of analytic decisions on test-retest reliability of individual and group estimates in functional magnetic resonance imaging: a multiverse analysis using the monetary incentive delay task.** *bioRxiv : the preprint server for biology*
Demidenko, M. I., Mumford, J. A., Poldrack, R. A.
2024
- **A multi-sample evaluation of the measurement structure and function of the modified monetary incentive delay task in adolescents.** *Developmental cognitive neuroscience*
Demidenko, M. I., Mumford, J. A., Ram, N., Poldrack, R. A.
2023; 65: 101337
- **Individual and Community level Developmental Adversities: Associations with Marijuana and Alcohol Use in Late-Adolescents and Young Adults.** *Journal of youth and adolescence*

Demidenko, M. I., Huntley, E. D., Du, L., Estor, C., Si, Y., Wagner, C., Clarke, P., Keating, D. P.

2023

● **Cognition in adolescence and the transition to adulthood** *APA handbook of adolescent and young adult development*

Keating, D. P., Demidenko, M. I., Kelly, D. P.

American Psychological Association.2023: 75-90

● **Mediating effect of pubertal stages on the family environment and neurodevelopment: An open-data replication and multiverse analysis of an ABCD Study®.** *Neuroimage. Reports*

Demidenko, M. I., Kelly, D. P., Hardi, F. A., Ip, K. I., Lee, S., Becker, H., Hong, S., Thijssen, S., Luciana, M., Keating, D. P.

2022; 2 (4)

● **Neural heterogeneity underlying late adolescent motivational processing is linked to individual differences in behavioral sensation seeking** *JOURNAL OF NEUROSCIENCE RESEARCH*

Demidenko, M. I., Huntley, E. D., Weigard, A. S., Keating, D. P., Beltz, A. M.

2022; 100 (3): 762-779

● **Prenatal androgen influences on the brain: A review, critique, and illustration of research on congenital adrenal hyperplasia** *JOURNAL OF NEUROSCIENCE RESEARCH*

Beltz, A. M., Demidenko, M. I., Wilson, S. J., Berenbaum, S. A.

2023; 101 (5): 563-574

● **Ecological stress, amygdala reactivity, and internalizing symptoms in preadolescence: Is parenting a buffer?** *CORTEX*

Demidenko, M., Ip, K. I., Kelly, D. P., Constante, K., Goetschius, L. G., Keating, D. P.

2021; 140: 128-144

● **Interactions between methodological and interindividual variability: How Monetary Incentive Delay (MID) task contrast maps vary and impact associations with behavior** *BRAIN AND BEHAVIOR*

Demidenko, M. I., Weigard, A. S., Ganesan, K., Jang, H., Jahn, A., Huntley, E. D., Keating, D. P.

2021; 11 (5): e02093

● **Cortical and subcortical response to the anticipation of reward in high and average/low risk-taking adolescents** *DEVELOPMENTAL COGNITIVE NEUROSCIENCE*

Demidenko, M. I., Huntley, E. D., Jahn, A., Thomason, M. E., Monk, C. S., Keating, D. P.

2020; 44: 100798

● **Adolescent Health Risk Behaviors: Convergent, Discriminant and Predictive Validity of Self-Report and Cognitive Measures** *JOURNAL OF YOUTH AND ADOLESCENCE*

Demidenko, M. I., Huntley, E. D., Martz, M. E., Keating, D. P.

2019; 48 (9): 1765-1783