

Stanford



Kate Petrova

Ph.D. Student in Psychology, admitted Autumn 2021

Bio

BIO

Kate Petrova is a PhD student at the Stanford Psychophysiology Laboratory. In her research, Kate applies the tools of computational cognitive science to answer fundamental questions in affective science. She is particularly interested in constructing formal models of emotions and their roles in decision-making. In her dissertation, Kate is using a combination of computational modeling, qualitative methods, eye-tracking, and behavioral experiments to understand how people learn from regret. Kate earned her A.B. in Psychology from Bryn Mawr College and spent several years working on the Harvard Study of Adult Development before joining SPL.

EDUCATION AND CERTIFICATIONS

- A.B., Bryn Mawr College , Psychology and Neuroscience (2020)

LINKS

- Personal website: <https://kateptrv.github.io>
- Stanford Psychophysiology Lab: <https://spl.stanford.edu>

Professional

WORK EXPERIENCE

- Research Assistant - Harvard Study of Adult Development

Publications

PUBLICATIONS

- **Eating disorder symptoms and profiles of emotion regulation strategy use.** *Journal of affective disorders*
Salias, C., Gross, J. J., Petrova, K., Forbush, K. T., Preece, D. A.
2025
- **Emotion regulation, fast or slow: A computational model of strategy choice.** *Emotion (Washington, D.C.)*
Petter, J., Mehta, A., Petrova, K., Kindt, M., Sheppes, G., Haslbeck, J. M., Gross, J. J.
2025
- **The competitive esports physiological, affective, and video dataset.** *Scientific data*
Behnke, M., Krzyżaniak, W., Nowak, J., Kupiński, S., Chwiłkowska, P., Jęśko Białek, S., Kłotkowski, M., Maciejewski, P., Szymański, K., Lakens, D., Petrova, K., Jamieson, J. P., Gross, et al
2025; 12 (1): 56
- **Emotional support across adulthood: A 60-year study of men's social networks.** *Psychology and aging*

-
- Petrova, K., Nevarez, M. D., Waldinger, R. J., Schulz, M. S.
2024
- **Applying a synergistic mindsets intervention to an esports context** *ROYAL SOCIETY OPEN SCIENCE*
Behnke, M., Lakens, D., Petrova, K., Chwiłkowska, P., Bialek, S., Kłoskowski, M., Krzyżaniak, W., Maciejewski, P., Kaczmarek, L. D., Szymanski, K., Jamieson, J. P., Gross, J. J.
2024; 11 (6)
 - **Applying a synergistic mindsets intervention to an esports context.** *Royal Society open science*
Behnke, M., Lakens, D., Petrova, K., Chwiłkowska, P., Bialek, S. J., Kłoskowski, M., Krzyżaniak, W., Maciejewski, P., Kaczmarek, L. D., Szymański, K., Jamieson, J. P., Gross, J. J.
2024; 11 (6): 240691
 - **Alexithymia profiles and depression, anxiety, and stress.** *Journal of affective disorders*
Preece, D. A., Mehta, A., Petrova, K., Sikka, P., Pemberton, E., Gross, J. J.
2024
 - **Alexithymia or general psychological distress? Discriminant validity of the Toronto Alexithymia Scale and the Perth Alexithymia Questionnaire.** *Journal of affective disorders*
Preece, D. A., Petrova, K., Mehta, A., Sikka, P., Gross, J. J.
2024
 - **Emotion Regulation in Self and Others** *EMOTION REGULATION AND PARENTING*
Petrova, K., Gross, J. J.
edited by Roskam, Gross, J. J., Mikolajczak, M.
2024: 35-54
 - **The role of emotion beliefs in depression, anxiety, and stress** *AUSTRALIAN PSYCHOLOGIST*
Johnston, T. E., Petrova, K., Mehta, A., Gross, J. J., Mcevoy, P., Preece, D. A.
2023
 - **Occurrent beliefs about emotions predict emotion regulation in everyday life.** *Emotion (Washington, D.C.)*
Petrova, K., Zielke, J. N., Mehta, A., Gross, J. J.
2023
 - **The Future of Emotion Regulation Research: Broadening Our Field of View.** *Affective science*
Petrova, K., Gross, J. J.
2023; 4 (4): 609-616
 - **The Future of Emotion Regulation Research: Broadening Our Field of View** *AFFECTIVE SCIENCE*
Petrova, K., Gross, J. J.
2023
 - **The Emotion Regulation Questionnaire-Short Form (ERQ-S): A 6-item measure of cognitive reappraisal and expressive suppression.** *Journal of affective disorders*
Preece, D. A., Petrova, K., Mehta, A., Gross, J. J.
2023
 - **Alexithymia and Emotion Regulation** *AFFECTIVE SCIENCE*
Preece, D. A., Mehta, A., Petrova, K., Sikka, P., Bjureberg, J., Becerra, R., Gross, J. J.
2023; 4 (1)
 - **The Perth Alexithymia Questionnaire-Short Form (PAQ-S): A 6-item measure of alexithymia.** *Journal of affective disorders*
Preece, D. A., Mehta, A., Petrova, K., Sikka, P., Bjureberg, J., Chen, W., Becerra, R., Allan, A., Robinson, K., Gross, J. J.
2023
 - **Alexithymia and emotion regulation.** *Journal of affective disorders*
Preece, D. A., Mehta, A., Petrova, K., Sikka, P., Bjureberg, J., Becerra, R., Gross, J. J.
2022
 - **Emotional experiences in technology-mediated and in-person interactions: an experience-sampling study.** *Cognition & emotion*

Petrova, K., Schulz, M. S.
2022: 1-8

- **Coherence Between Feelings and Heart Rate: Links to Early Adversity and Responses to Stress.** *Affective science*
Petrova, K., Nevarez, M. D., Rice, J., Waldinger, R. J., Preacher, K. J., Schulz, M. S.
2021; 2 (1): 1-13
- **Self-Distancing and Avoidance Mediate the Links Between Trait Mindfulness and Responses to Emotional Challenges** *MINDFULNESS*
Petrova, K., Nevarez, M. D., Waldinger, R. J., Preacher, K. J., Schulz, M. S.
2021; 12 (4): 947-958
- **Coherence Between Feelings and Heart Rate: Links to Early Adversity and Responses to Stress** *Affective Science*
Petrova, K., Nevarez, M. D., Rice, J., Waldinger, R. J., Preacher, K. J., Schulz, M. S.
2021; 2 (1): 1–13