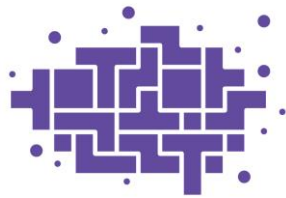


Projekta Izp-2018/1-0393 rezultāti

Kā rodas personatitātes un kāpēc ir depresija? Fenotipiskās variācijas fizioloģisko mehānismu un adaptīvo funkciju izpēte socialitātes un plēsēju radītā stresa apstākļos

Origināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

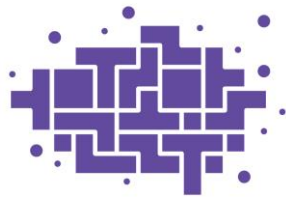
1. Borráz-León, J. I.; Rantala, M. J.; Luoto, S.; Krams, I.; Contreras-Garduño, J.; Cerda-Molina, A. L.; Krama, T. Toxoplasma gondii and Psychopathology: Latent Infection Is Associated with Interpersonal Sensitivity, Psychoticism, and Higher Testosterone Levels in Men, but Not in Women. - Adaptive Hum. Behav. Physiol., 2021, 7 (1), 28-42, <https://doi.org/10.1007/s40750-020-00160-2>
2. Krams, I. A.; Krams, R.; Jöers, P.; Munkevics, M.; Trakimas, G.; Luoto, S.; Eichler, S.; Butler, D. M.; Merivee, E.; Must, A.; et al. Developmental speed affects ecological stoichiometry and adult fat reserves in Drosophila melanogaster. - Anim. Biol., 2020, 71 (1), 1-20, <https://doi.org/10.1163/15707563-bja10043>
3. Luoto, S.; Krams, I.; Rantala, M. J. Response to Commentaries: Life History Evolution, Causal Mechanisms, and Female Sexual Orientation. - Arch. Sex. Behav., 2019, 48 (5), 1335-1347, <https://doi.org/10.1007/s10508-019-1439-0>
4. Luoto, S.; Rantala, M. J.; Krams, I. England first, America second: The ecological predictors of life history and innovation. - Behavioral and Brain Sciences, 2019, 42, 4, <https://doi.org/10.1017/s0140525x19000165>
5. Goodale, E.; Sridhar, H.; Sieving, K. E.; Bangal, P.; Colorado Z, G. J.; Farine, D. R.; Heymann, E. W.; Jones, H. H.; Krams, I.; Martínez, A. E.; et al. Mixed company: a framework for understanding the composition and organization of mixed-species animal groups. - Biol. Rev., 2020, 95 (4), 889-910, <https://doi.org/10.1111/brv.12591>
6. Krams, R.; Krama, T.; Munkevics, M.; Eichler, S.; Butler, D. M.; Dobkevica, L.; Joers, P.; Contreras-Garduño, J.; Daukste, J.; Krams, I. A. Spider odors induce stoichiometric changes in fruit fly <i>Drosophila melanogaster</i>. - Current Zoology, 2021, 67 (1), 127-129, <https://doi.org/10.1093/cz/zoaa070>
7. Trakimas, G.; Krams, R.; Krama, T.; Kortet, R.; Haque, S.; Luoto, S.; Eichler Inwood, S.; Butler, D. M.; Jöers, P.; Hawlena, D.; et al. Ecological stoichiometry: A link between developmental



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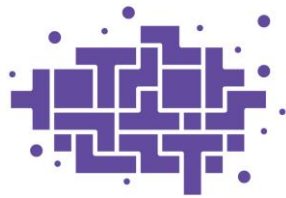
- speed and physiological stress in an omnivorous insect. - *Front. Behav. Neurosci.*, 2019, 13, <https://doi.org/10.3389/fnbeh.2019.00042>
8. Rantala, M. J.; Dubovskiy, I. M.; Pölkki, M.; Krama, T.; Contreras-Garduño, J.; Krams, I. A. Effect of juvenile hormone on resistance against entomopathogenic fungus *metharizium robertsii* differs between sexes. - *J. Fungi*, 2020, 6 (4), 1-8, <https://doi.org/10.3390/jof6040298>
 9. Bahhir, D.; Yalgin, C.; Ots, L.; Järvinen, S.; George, J.; Naudí, A.; Krama, T.; Krams, I.; Tamm, M.; Andjelković, A.; et al. Manipulating mtDNA in vivo reprograms metabolism via novel response mechanisms. - *PLoS Genet.*, 2019, 15 (10), <https://doi.org/10.1371/journal.pgen.1008410>
 10. Krams, I.; Luoto, S.; Rubika, A.; Krama, T.; Elferts, D.; Krams, R.; Kecko, S.; Skrinda, I.; Moore, F. R.; Rantala, M. J. A head start for life history development? Family income mediates associations between height and immune response in men. - *Am. J. Phys. Anthropol.*, 2019, 168 (3), 421-427, <https://doi.org/10.1002/ajpa.23754>
 11. Krams, I. A.; Luoto, S.; Krama, T.; Krams, R.; Sieving, K.; Trakimas, G.; Elferts, D.; Rantala, M. J.; Goodale, E. Egalitarian mixed-species bird groups enhance winter survival of subordinate group members but only in high-quality forests. - *Sci. Rep.*, 2020, 10 (1), <https://doi.org/10.1038/s41598-020-60144-w>
 12. Rubika, A.; Luoto, S.; Krama, T.; Trakimas, G.; Rantala, M. J.; Moore, F. R.; Skrinda, I.; Elferts, D.; Krams, R.; Contreras-Garduño, J.; Krams, I. A. Women's socioeconomic position in ontogeny is associated with improved immune function and lower stress, but not with height. - *Sci. Rep.*, 2020, 10 (1), <https://doi.org/10.1038/s41598-020-68217-6>
 13. Rantala, M. J.; Luoto, S.; Krama, T.; Krams, I. Eating disorders: An evolutionary psychoneuroimmunological approach. - *Front. Psychol.*, 2019, 10 (OCT), <https://doi.org/10.3389/fpsyg.2019.02200>
 14. Krams, I. A.; Luoto, S.; Rantala, M. J.; Jöers, P.; Krama, T. COVID-19: Fat, obesity, inflammation, ethnicity, and sex differences. - *Pathogens*, 2020, 9 (11), 1-10, <https://doi.org/10.3390/pathogens9110887>
 15. Borráz-León, J. I.; Rantala, M. J.; Luoto, S.; Krams, I. A.; Contreras-Garduño, J.; Krama, T.; Cerda-Molina, A. L. Self-Perceived Facial Attractiveness, Fluctuating Asymmetry, and Minor Ailments Predict Mental Health Outcomes. - *Adaptive Hum. Behav. Physiol.*, 2021, 7 (4), 363-381, <https://doi.org/10.1007/s40750-021-00172-6>



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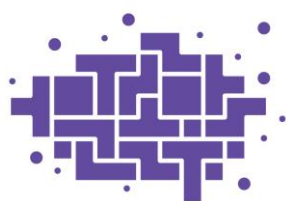
16. Borráz-León, J. I.; Krams, I. A.; Cerda-Molina, A. L.; Rantala, M. J. Psychological flexibility and sociosexual orientation mediate the association between self-perceived attractiveness and mating effort. - *Curr. Psychol.*, 2023, 42 (36), 31998-32007, <https://doi.org/10.1007/s12144-022-04155-y>
17. Krams, I. A.; Krama, T.; Krams, R.; Trakimas, G.; Popovs, S.; Jöers, P.; Munkevics, M.; Elferts, D.; Rantala, M. J.; Makņa, J.; de Bivort, B. L. Serotonergic Modulation of Phototactic Variability Underpins a Bet-Hedging Strategy in *Drosophila melanogaster*. - *Front. Behav. Neurosci.*, 2021, 15, <https://doi.org/10.3389/fnbeh.2021.659331>
18. Krams, R.; Munkevics, M.; Popovs, S.; Dobkeviča, L.; Willow, J.; Contreras Garduño, J.; Krama, T.; Krams, I. A. Ecological Stoichiometry of Bumblebee Castes, Sexes, and Age Groups. - *Front. Physiol.*, 2021, 12, <https://doi.org/10.3389/fphys.2021.696689>
19. Luoto, S.; Prokosch, M. L.; Varella, M. A. C.; Krams, I.; Fincher, C. L. Editorial: Coronavirus Disease (COVID-19) and Its Psychobehavioral Consequences. - *Front. Psychol.*, 2021, 12, <https://doi.org/10.3389/fpsyg.2021.723282>
20. Krams, R.; Gudra, D.; Popovs, S.; Willow, J.; Krama, T.; Munkevics, M.; Megnis, K.; Jöers, P.; Fridmanis, D.; Garduño, J. C.; Krams, I. A. Dominance of Fructose-Associated Fructobacillus in the Gut Microbiome of Bumblebees (*Bombus terrestris*) Inhabiting Natural Forest Meadows. – *Insects*, 2022, 13 (1), <https://doi.org/10.3390/insects13010098>
21. Krams, I. A.; Jöers, P.; Luoto, S.; Trakimas, G.; Lietuvietis, V.; Krams, R.; Kaminska, I.; Rantala, M. J.; Krama, T. The obesity paradox predicts the second wave of COVID-19 to be severe in western countries. - *Int. J. Environ. Res. Public Health*, 2021, 18 (3), 1-10, <https://doi.org/10.3390/ijerph18031029>
22. Krams, R.; Krama, T.; Brūmelis, G.; Elferts, D.; Strode, L.; Dauškane, I.; Luoto, S.; Šmits, A.; Krams, I. A. Ecological traps: evidence of a fitness cost in a cavity-nesting bird. – *Oecologia*, 2021, 196 (3), 735-745, <https://doi.org/10.1007/s00442-021-04969-w>
23. Luoto, S.; Krama, T.; Rubika, A.; Borráz-León, J. I.; Trakimas, G.; Elferts, D.; Skrinda, I.; Krams, R.; Moore, F. R.; Birbele, E.; et al. Socioeconomic position, immune function, and its physiological markers. – *Psychoneuroendocrinology*, 2021, 127, <https://doi.org/10.1016/j.psyneuen.2021.105202>
24. Borráz-León, J. I.; Luoto, S.; Krams, I. A.; Rantala, M. J.; Trakimas, G.; Kecko, S.; Krama, T. Testosterone, estradiol, and immune response in women. - *Adaptive Hum. Behav. Physiol.*, 2022, 8 (3), 344-354, <https://doi.org/10.1007/s40750-022-00201-y>



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LIETIŠĶO PĒTĪJUMU
PROJEKTI

25. Borráz-León, J. I.; Rantala, M. J.; Krams, I. A.; Cerda-Molina, A. L.; Contreras-Garduño, J. Are Toxoplasma-infected subjects more attractive, symmetrical, or healthier than non-infected ones? Evidence from subjective and objective measurements. – PeerJ, 2022, 10, <https://doi.org/10.7717/peerj.13122>
26. Krama, T.; Krams, R.; Munkevics, M.; Willow, J.; Popovs, S.; Elferts, D.; Dobkeviča, L.; Raibarte, P.; Rantala, M.; Contreras-Garduño, J.; Krams, I. A. Physiological stress and higher reproductive success in bumblebees are both associated with intensive agriculture. – PeerJ, 2022, 10, <https://doi.org/10.7717/peerj.12953>
27. Krama, T.; Bahhir, D.; Ots, L.; Popovs, S.; Bartkevičs, V.; Pugajeva, I.; Krams, R.; Merivee, E.; Must, A.; Rantala, M. J.; et al. A diabetes-like biochemical and behavioural phenotype of *Drosophila* induced by predator stress. - Proc. R. Soc. B Biol. Sci., 2023, 290 (2002), <https://doi.org/10.1098/rspb.2023.0442>



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