

PEER-REVIEWED PUBLICATIONS

Prof. Matthias Kliegel

underlined name = supervised student or post-doctoral fellow co-author

Journals, peer-reviewed

In press

400. Laera, G., Hering, A., & Kliegel, M. (in press). Assessing time-based prospective memory online: A comparison study between laboratory-based and Web-based testing. *Quarterly Journal of Experimental Psychology*.
399. Jünemann, K., Engels, A., Marie, D., Worschech, F., Scholz, D.S., Grouiller, F., Kliegel, M., Van De Ville, D., Altenmüller, E., Krüger, T.H.C., James, C.E., & Sinke, C. (in press). Increased Functional Connectivity in the Right Dorsal Auditory Stream after a Full Year of Piano Training in Healthy Older Adults. *Scientific Reports*.
398. Gamaiunova, L., Brandt, P.-Y. & Kliegel, M. (in press). Challenge or threat? The effects of the standard and a second-generation mindfulness intervention with Buddhist practices on cognitive appraisals of stress: Secondary analysis of a randomized controlled experiment performed in Switzerland. *Journal of Religion and Health*.
397. Schlosser, M., Demnitz-King, H., Barnhofer, T., Collette, F., Gonneaud, J., Chételat, G., Jessen, F., Kliegel, M., Klimecki, O.M., Lutz, A., & Marchant, N.L. (in press). Effects of a mindfulness-based intervention and a health self-management programme on psychological well-being in older adults with subjective cognitive decline: Secondary analyses from the SCD-Well randomised clinical trial. *Plos One*.
396. Schlosser, M., Klimecki, O.M., Collette, F., Gonneaud, J., Kliegel, M., Marchant, N.L., Chételat, G., & Lutz, A. (in press). An 18-month meditation training selectively improves psychological well-being in older adults: A Secondary Analysis of a Randomised Controlled Trial. *Plos One*.
395. Mikneviciute, G., Allaert, J., Pulopulos, M.M., De Raedt, R., Kliegel, M., & Ballhausen, N. (in press). Acute stress impacts reaction times in older but not in young adults in a flanker task. *Scientific Reports*.
394. Menéndez-Granda, M., Schmidt, N., Orth, M., Klink, K., Horn, S., Kliegel, M., & Peter, J. (in press). The effect of loss incentives on prospective memory in healthy older adults: Study protocol of a randomized controlled trial using ultra-high field fMRI. *BMC Psychiatry*.
393. Wieczorek, M., Meier, C., Kliegel, M., & Maurer, J. (in press). Relationship between health literacy and unhealthy lifestyle behaviours in older adults living in Switzerland: does social connectedness matter? *International Journal of Public Health*.

392. Tsai, P.-C., Scarampi, C., Kliegel, M., & Gilbert, S.J. (in press). Optimal cognitive offloading: Increased reminder usage but reduced pro-reminder bias in older adults. *Psychology and Aging*. [Epub ahead of print: June 8, 2023]
391. Laine, M., Jylkkä, J., Ritakallio, L., Eräste, T., Kangas, S., Hering, A., Zuber, S., Kliegel, M., Fellman, D., & Salmi, J. (in press). Spontaneous memory strategies in a videogame simulating everyday memory tasks. *Quarterly Journal of Experimental Psychology*. [Epub ahead of print: July 3, 2023]
390. Desrichard, O., Heiser, N., Renaud, O., Zuber, S., Oris M. & Kliegel, M. (in press). Contextual variation in cognitive performance of older adults: Demonstration of an age-of-examiner effect. *The Clinical Neuropsychologist*. [Epub ahead of print: December 19, 2022]
389. Mioni, G., Hering, A., Cantarella, A., Kliegel, M., Bisiacchi, P.S. & Borella, E. (in press). The Padua PM task: a new high-quality video-based prospective memory assessment in younger and older adults. *Current Psychology*. [Epub ahead of print: November 15, 2022]

2023

388. Künzi, M., Sieber, S., Joly-Burra, E., Cullati, S., Bauermeister, S., Stringhini, S., Draganski, B., Ballhausen, N. & Kliegel, M. (2023). Adversity specificity and life period exposure on cognitive aging. *Scientific Reports*, *13*, 8702.
387. Schmidt, N., Menéndez-Granda, M., Münger, R., Reber, T.P., Bayen, U.J., Gümüşdaglı, F.E., Hering, A., Joly-Burra, E., Kliegel, M., & Peter, J. (2023). Modulating prospective memory and attentional control with high-definition transcranial current stimulation: Study protocol of a randomized, double-blind, and sham-controlled trial in healthy older adults. *PLoS One*, *18*, e0289532 .
386. Jylkkä, J., Ritakallio, L., Merzon, L., Kangas, S., Kliegel, M., Zuber, S., Hering, A., Laine, M., & Salmi, J. (2023). Assessment of goal-directed behavior and prospective memory in adult ADHD with an online 3D videogame simulating everyday tasks. *Scientific Reports*, *13*, 9299.
385. Miknevičute, G., Pulopulos, M., Allaert, J., Armellini, A., Rimmele, U., Kliegel, M., & Ballhausen N., (2023) Adult age differences in the psychophysiological response to acute stress. *Psychoneuroendocrinology*, *153*, 106111.
384. Trofimova, O., Latypova, A., DiDomenicantonio, G., Lutti, A., Kliegel, M., Stringhini, S., Marques-Vidal, P., Vaucher, J., Vollenweider, P., Strippoli, M.-P. F., Preisig, M., Kherif, F., & Draganski, B. (2023). Topography of associations between cardiovascular risk factors and myelin loss in the ageing human brain. *Communications Biology*, *6*, 392.
383. Da Silva Coelho, C., Zuber, S. Künzi, M., Joly-Burra, E., & Kliegel, M. (2023). The relationship between depressive symptoms, metamemory and prospective memory in older adults. *Journal of Clinical and Experimental Neuropsychology*, *45*, 69-83.

382. Laera, G., Borghese, F., Hering, A., Kliegel, M., & Mioni, G. (2023). Aging and time-based prospective memory in the laboratory: a meta-analysis on age-related differences and possible explanatory factors. *Memory*, *31*, 747-766.
381. Marie, D., Müller, C.A.H., Altenmüller, E., Van De Ville, D., Jünemann, K., Scholz, D.S., Krüger, T.H.C., Worschech, F., Kliegel, M., Sinke, C., & James, C.E. (2023). Music interventions in 132 healthy older adults enhance cerebellar grey matter and auditory working memory, despite general brain atrophy. *Neuroimage: Reports*, *3*, 100166.
380. Jylkkä, J., Ritakallio, L., Merzon, L., Kangas, S., Kliegel, M., Zuber, S., Hering, A., Salmi, J. & Laine, M. (2023). Assessment of goal-directed behavior with the 3D videogame EPELI: Psychometric features in a web-based adult sample. *PLOS ONE*, *18*, e0280717.
379. Worschech, F., James, C.E., Jünemann, K., Sinke, C., Krüger, T.H.C., Scholz, D.S., Kliegel, M., Marie, D., & Altenmüller, E. (2023). Fine motor control improves in older adults after one year of piano lessons: Analysis of individual development and its coupling with cognition and brain structure. *European Journal of Neuroscience*, *57*, 2040-2061.
378. Wieczorek, M., Meier, C., Vilpert, S., Reinecke, R., Borrat-Besson, C., Maurer, J., & Kliegel, M. (2023). Association between multiple chronic conditions and insufficient health literacy: cross-sectional evidence from a population-based sample of older adults living in Switzerland. *BMC Public Health*, *23*, 253.
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376. Zuber, S., Joly-Burra, E., Mahy, C.E.V., Loaiza, V., & Kliegel, M. (2023). Are facet-specific task trainings efficient in improving children's executive functions, and why (they may not be)? A multi-facet latent change score approach. *Journal of Experimental Child Psychology*, *227*, 105602.
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373. Sauter, J., Widmer, E., & Kliegel, M. (2023). Changes in family composition and their effects on social capital in old age: evidence from a longitudinal study conducted in Switzerland. *Ageing and Society*, *43*, 724-742.
372. Laera, G., Joly-Burra, E., Zuber, S., Ballhausen, N., Künzi, M., Ihle, A., Da Silva Coelho, C., Haas, M., Miknevičiute, G., Tinello, D., Kliegel, M., & Hering, A. (2023). Do executive functions explain older adults' health-related quality of life beyond event-based prospective memory? *Aging, Neuropsychology and Cognition*, *30*, 135-149.

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370. Tinello, D., Tarvainen, M., Zuber, S. & Kliegel, M. (2023). Enhancing Inhibitory Control in Older Adults: A Biofeedback Study. *Brain Sciences*, *13*, 335.
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367. Miknevičiute, G., Ballhausen, N., Rimmel, U., & Kliegel, M. (2022). Does older adults' cognition particularly suffer from stress? A systematic review of acute stress effects on cognition in older age. *Neuroscience and Biobehavioral Reviews*, *132*, 583-602.
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364. Orsholits, D., Cullati, S., Cheval, B., Ghisletta, P., Oris, M., Maurer, J., Studer, M., Marques, A., Marconcin, P., Gouveia, E.R., Kliegel, M., & Ihle, A. (2022). Residential trajectories across the life course and their association with cognitive functioning in later life. *Scientific Reports*, *12*, 17004.
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358. Haas, M., Mehl, M. R., Ballhausen, N., Zuber, S., Kliegel, M., & Hering, A. (2022). The Sounds of Memory: Extending the Age-Prospective Memory Paradox to Everyday Behavior and Conversations. *Journals of Gerontology Series B: Psychological Sciences and Social Sciences*, 77, 695-703.
357. Maeder, J., Zuber, S., Schneider, M., Kliegel, M., Eliez, S. (2022). Age-related improvements in executive functions and focal attention in 22q11.2 deletion syndrome vary across domain and task. *Journal of the International Neuropsychological Society*, 28, 337-350.
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2021

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