
Recent Publications of MBMRC Members

2023

- Büttiker, P., Weissenberger, S., Esch, T., Anders, M., Raboch, J., Ptacek, R., Kream, & R. M., & Stefano, G.B. (2023). Dysfunctional mitochondrial processes contribute to energy perturbations in the brain and neuropsychiatric symptoms. *Front. Pharmacol.* 13:1095923. <https://doi.org/10.3389/fphar.2022.1095923>
- Esch, T., Welzer, H., Utsch, M., & Donner, S. (2023). PSYCHOLOGIE HEUTE - Bei sich ankommen. 13-21. https://www.researchgate.net/publication/370471634_PSYCHOLOGIE_HEUTE_-_Bei_sich_ankommen
- Michaelsen, M. M., Ecken, T. S., Herker, J. & Esch, T. (2023). Achtsamkeit & Ernährung - Neurobiologische Mechanismen achtsamen Essens. *Sportärztezeitung*, 4, 90–95. <https://sportaerztezeitung.com/rubriken/psychologie/15096/achtsamkeit-ernaehrung/>
- Michaelsen, M. M., & Esch, T. (2023). Understanding health behavior change by motivation and reward mechanisms: a review of the literature. *Frontiers in Behavioral Neuroscience*, 17. <https://doi.org/10.3389/fnbeh.2023.1151918>
- Michaelsen, M. M., Graser, J., Onescheit, M., Tuma, M. P., Werdecker, L., Pieper, D., & Esch, T. (2023). Mindfulness-based and mindfulness-informed interventions at the workplace: A systematic review and meta-regression analysis of RCTS. *Mindfulness*. <https://doi.org/10.1007/s12671-023-02130-7>
- Poslt Königová, M., Sebalo Vňuková, M., Řehořková, P., Anders, M., & Ptáček, R. (2023). The effectiveness of gluten-free dietary interventions: A systematic review. *Frontiers in Psychology*, 14, 1107022.
- Sebalo Vňuková, M., Sebalo, I., Anders, M., Ptáček, R., & Surman, C. (2023). Psychometric Properties of the Czech Version of the Vanderbilt ADHD Diagnostic Parent Rating Scale. *Journal of Attention Disorders*, 10870547231167567.
- Smetackova, I., Ptacek, R., Vnukova, M., & Dechterenko, F. (2023). The impact of ADHD in an individual's daily life on planning, coping and time perspective. *Ceskoslovenska Psychologie*, 67(1), 15-29.
- Stefano, G. B. (2023). Artificial Intelligence as a Tool for the Diagnosis and Treatment of Neurodegenerative Diseases. *Brain Sciences*, 13(6), 938. <https://doi.org/10.3390/brainsci13060938>
- Stefano, G. B., Büttiker, P., Weissenberger, S., Anders, M., Raboch, J., Ptacek, R., & Kream, R. M. (2023). Potential Prion Involvement in Long COVID-19 Neuropathology, Including Behavior. *Cellular and Molecular Neurobiology*, 1-6. <https://doi.org/10.1007/s10571-023-01342-8>

- Stefano, G. B., Büttiker, P., Weissenberger, S., Esch, T., Anders, M., Raboch, J., Kream, R. M., & Ptacek, R. (2023). Independent and sensory human mitochondrial functions reflecting symbiotic evolution. *Frontiers in Cellular and Infection Microbiology*, *13*. <https://doi.org/10.3389/fcimb.2023.1130197>
- Stefano, G. B., Büttiker, P., Weissenberger, S., Esch, T., Michaelsen, M., Anders, M., Raboch, J., & Ptacek, R. (2023). Artificial Intelligence: Deciphering the links between psychiatric disorders and neurodegenerative disease. *Brain Sciences*, *13*(7), 1055. <https://doi.org/10.3390/brainsci13071055>
- Stefano, G. B., Kream, R. M., & Esch, T. (2023). Mobility Coupled with Motivation Promotes Survival: The Evolution of Cognition as an Adaptive Strategy. *Biology*, *12*(1). <https://doi.org/10.3390/biology12010080>
- Urbanová, L., Vňuková, M. S., Anders, M., Ptáček, R. & Bušková, J. (2023). The Updating and Individualizing of Sleep Hygiene Rules for Non-clinical Adult Populations. *Prague Medical Report*, *124*(4), 329-343. <https://doi.org/10.14712/23362936.2023.26>
- Vňuková, M., Děchtěrenko, F., Weissenberger, S., Anders, M., & Ptáček, R. (2023). Childhood School performance in adults diagnosed with attention-deficit/hyperactivity disorder. *Journal of Attention Disorders*, *27*(3), 307-312.
- Vňuková, M., Ptáček, R., Děchtěrenko, F., Weissenberger, S., Ptáčková, H., Braaten, E., Raboch, J., Anders, M., Klicperová-Baker, M., & Goetz, M. (2021). Prevalence of ADHD symptomatology in adult population in the Czech Republic—A National Study. *Journal of Attention Disorders*, *25*(12), 1657-1664.
- Vňuková, M. S., Sebalo, I., Brečka, T., Anders, M., & Ptáček, R. (2023). Burnout syndrome in the Czech Republic: The decreasing trend over the years. *Frontiers in Public Health*, *11*, 1099528.

2022

- Altmann, N., Scheer, L. & Esch, T. (2022). Digitale Kommunikation in der Praxis: Chancen, Risiken, Tipps und Tools. In M. Henningsen, P. Stachwitz, S. Fahimi-Weber, B. Afzali & N. Altmann (Hrsg.), *Die digitale Arztpraxis: Technik, Tools und Tipps zur Umsetzung*. Medizinisch Wissenschaftliche Verlagsgesellschaft.
- Büttiker, P., Stefano, G. B., Weissenberger, S., Ptacek, R., Anders, M., Raboch, J. & Kream, R. M. (2022). HIV, HSV, SARS-CoV-2 and Ebola Share Long-Term Neuropsychiatric Sequelae. *Neuropsychiatric Disease and Treatment*, *18*, 2229–2237. <https://doi.org/10.2147/NDT.S382308>
- Esch, T. (2022). The ABC Model of Happiness-Neurobiological Aspects of Motivation and Positive Mood, and Their Dynamic Changes through Practice, the Course of Life. *Biology*, *11*(6). <https://doi.org/10.3390/biology11060843>
- Esch, T. & Brinkhaus, B. (2022). Die Bedeutung der Selbstregulation in der Integrativen und Mind-Body-Medizin. In A. Mollik (Hrsg.), *Mindful Doctor: Next Generation Leadership in Medizin und Gesundheit*. Medizinisch Wissenschaftliche Verlagsgesellschaft.
- Esch, T. & Stefano, G. B. (2022). The BERN Framework of Mind-Body Medicine: Integrating Self-Care, Health Promotion, Resilience, and Applied Neuroscience. *Frontiers in Integrative Neuroscience*, *16*, 913573. <https://doi.org/10.3389/fnint.2022.913573>

- Henningsen, M., Stachwitz, P., Fahimi-Weber, S., Afzali, B. & Altmann, N. (Hrsg.). (2022). *Die digitale Arztpraxis: Technik, Tools und Tipps zur Umsetzung*. Medizinisch Wissenschaftliche Verlagsgesellschaft.
- Jacobs, A., Flägel, K., Werdecker, L. & Esch, T. (2022). Peak Moments im Ärzt*innen-Patient*innen-Kontakt der hausärztlichen Praxis—eine qualitative Studie mit Allgemeinmediziner*innen in Deutschland [Peak moments in physician-patient consultations in general practice: A qualitative study among primary care physicians in Germany]. *Zeitschrift für Evidenz, Fortbildung und Qualität im Gesundheitswesen*, 172, 31–39. <https://doi.org/10.1016/j.zefq.2022.04.028>
- Karwetzky, C., Michaelsen, M. M., Werdecker, L. & Esch, T. (2022). The U-Curve of Happiness Revisited: Correlations and Differences in Life Satisfaction Over the Span of Life—An Empirical Evaluation Based on Data From 1,597 Individuals Aged 12–94 in Germany. *Frontiers in Psychology*, 13, 837638. <https://doi.org/10.3389/fpsyg.2022.837638>
- Koch, S., Esch, T. & Werdecker, L. (2022). Effects of a Yoga-Based Stress Intervention Program on the Blood Pressure of Young Police Officers: A Randomized Controlled Trial. *Journal of Integrative and Complementary Medicine*, 28(3), 234–240. <https://doi.org/10.1089/jicm.2021.0294>
- Michaelsen, M. M. & Esch, T. (2022). Functional Mechanisms of Health Behavior Change Techniques: A Conceptual Review. *Frontiers in Psychology*, 13, 725644. <https://doi.org/10.3389/fpsyg.2022.725644>
- Michaelsen, M. M. & Esch, T. (2022). Meditations- und Achtsamkeitsinterventionen zur Förderung psychischer Ressourcen in der supportiven onkologischen Behandlung. *Onkologische Welt*, 13(03), 157–161. <https://doi.org/10.1055/a-1729-9464>
- Schönfeld, S., Rathmer, I., Michaelsen, M. M., Hoetger, C., Onescheit, M., Lange, S., Werdecker, L. & Esch, T. (2022). Effects of a Mindfulness Intervention Comprising an App, Web-Based Workshops, and a Workbook on Perceived Stress Among Nurses and Nursing Trainees: Protocol for a Randomized Controlled Trial. *JMIR research protocols*, 11(8), e37195. <https://doi.org/10.2196/37195>
- Schwarz, J. & Esch, T. (2022). OpenNotes in Mental Health? Pro. *Der Nervenarzt*, 93(11), 1163–1164. <https://doi.org/10.1007/s00115-022-01357-4>
- Stefano, G. B., Büttiker, P. & Kream, R. M. (2022). Reassessment of the blood-brain barrier: a potential target for viral entry into the immune-privileged brain. *Germs*, 12(1), 99–101. <https://doi.org/10.18683/germs.2022.1310>
- Stefano, G. B., Büttiker, P., Weissenberger, S., Ptacek, R., Wang, F., Esch, T., Bilfinger, T. V., Raboch, J. & Kream, R. M. (2022). Biomedical Perspectives of Acute and Chronic Neurological and Neuropsychiatric Sequelae of COVID-19. *Current Neuropharmacology*, 20(6), 1229–1240. <https://doi.org/10.2174/1570159X20666211223130228>
- Stefano, G. B. & Kream, R. M. (2022). Mitochondrial DNA Heteroplasmy as an Informational Reservoir Dynamically Linked to Metabolic and Immunological Processes Associated with COVID-19 Neurological Disorders. *Cellular and Molecular Neurobiology*, 42(1), 99–107. <https://doi.org/10.1007/s10571-021-01117-z>

Stefano, G. B. & Kream, R. M. (2022). Viruses Broaden the Definition of Life by Genomic Incorporation of Artificial Intelligence and Machine Learning Processes. *Current Neuropsychopharmacology*, 20(10), 1888–1893.
<https://doi.org/10.2174/1570159X20666220420121746>

Esch, T. (2022). The ABC Model of Happiness. *Encyclopedia*.
<https://encyclopedia.pub/entry/24683>; (accessed on 30 June 2022)

Werdecker, L. & Esch, T. (2022). Glück in der Hausarztpraxis – Ergebnisse einer qualitativen Studie unter Praxisteams. *Zeitschrift für Allgemeinmedizin*, 98(1), 24–29.
<https://doi.org/10.53180/zfa.2022.0024-0029>

Werdecker, L. & Esch, T. (2022). Stress und Gesundheit. In R. Haring (Hrsg.), *Gesundheitswissenschaften*. Springer Berlin Heidelberg.