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### PUBLICATION LIST

#### Peer-Reviewed Journals

1. Liebherr, M., **Mueller, S. M.**, Schweig, S., Maas, N., Schramm, D., & Brand, M. (2021). Stress and simulated environments – insights from physiological marker. *Frontiers in Virtual Reality*, 2, Article 18. <https://doi.org/10.3389/frvir.2021.618855>
2. **Müller, S. M.**, Schiebener, J., Brand, M., & Liebherr, M. (2021). Decision making, cognitive functions, impulsivity, and media multitasking expectancies in high versus low media multitaskers. *Cognitive Processing*. <https://doi.org/10.1007/s10339-021-01029-2>
3. **Müller, S. M.**, Wegmann, E., García Arias, M., Bernabéu Brotóns, E., Marchena Giráldez, C., & Brand, M. (2021). Deficits in executive functions but not in decision making under risk in individuals with problematic social-network use. *Comprehensive Psychiatry*, 106, Article 152228, <https://doi.org/10.1016/j.comppsy.2021.152228>
4. **Müller, S. M.**, Stolze, D., & Brand, M. (2021). Predictors of social-zapping behavior: Dark Triad, impulsivity, and procrastination facets contribute to the tendency toward last-minute cancellations. *Personality and Individual Differences*, 168, Article 110334. <https://doi.org/10.1016/j.paid.2020.110334>
5. Wegmann, E., **Müller, S. M.**, Trotzke, P., & Brand, M. (2021). Social-networks-related stimuli interferes decision making under ambiguity: Interactions with cue-induced craving and problematic social-networks use. *Journal of Behavioral Addictions*, 10(2), 291–301. <https://doi.org/10.1556/2006.2021.00036>
6. Antons, S., **Müller, S. M.**, Liebherr, M., & Brand, M. (2020). Gaming disorder: How to translate behavioral neuroscience into public health advances. *Current Behavioral Neuroscience Reports*, 7, 267–277. <https://doi.org/10.1007/s40473-020-00216-3>
7. Lescher, M., Wegmann, E., **Müller, S. M.**, Laskowski, N. M., Wunder, R., Jiménez-Murcia, S., Szyck, G. R., de Zwaan, M., & Müller, A. (2020). A randomized study of food pictures-influenced decision-making under ambiguity in individuals with morbid obesity. *Frontiers in Psychiatry: Psychosomatic Medicine*, 11, Article 822. <https://doi.org/10.3389/fpsy.2020.00822>
8. **Müller, S. M.**, Wegmann, E., Stolze, D., & Brand, M. (2020). Maximizing social outcomes? Social zapping and fear of missing out mediate the effects of maximization and procrastination on problematic social networks use. *Computers in Human Behavior*, 107, 1-10. <https://doi.org/10.1016/j.chb.2020.106296>
9. Ostendorf, S., **Müller, S. M.**, & Brand, M. (2020). Neglecting long-term risks: Self-disclosure on social media and its relation to individual decision-making tendencies and problematic social-networks-use. *Frontiers in Psychology: Cognition*, 11, Article 543388. <https://doi.org/10.3389/fpsyg.2020.543388>
10. Schäfer, L., Schmidt, R., **Müller, S. M.**, Dietrich, A., & Hilbert, A. (2020a). The Cards and Lottery Task: Validation of a new paradigm assessing decision making under risk in individuals with severe obesity. *Frontiers in Psychiatry: Psychosomatic Medicine*, 11:690, 1-12. <https://doi.org/10.3389/fpsy.2020.00690>
11. Schäfer, L., Schmidt, R., **Müller, S. M.**, Dietrich, A., & Hilbert, A. (2020b). Changes in visual attention towards food cues after obesity surgery: An eye-tracking study. *Journal of Psychiatric Research*, 129, 214-221. <https://doi.org/10.1016/j.jpsychires.2020.06.027>
12. Singh, V., Schiebener, J., **Müller, S. M.**, Liebherr, M., Brand, M., & Buelow, M. (2020). Country and sex differences in decision making under uncertainty and risk. *Frontiers in Psychology: Decision Neuroscience*, 11, Article 486. <https://doi.org/10.3389/fpsyg.2020.00486>
13. Wegmann, E., **Müller, S. M.**, Turel, O., & Brand, M. (2020). Interactions of impulsivity, general executive functions, and specific inhibitory control explain symptoms of social-networks-use disorder:

- An experimental study. *Scientific Reports*, 10, Article 3866. <https://doi.org/10.1038/s41598-020-60819-4>
14. Antons, S., **Mueller, S. M.**, Wegmann, E., Trotzke, P., Schulte, M. M., & Brand, M. (2019). Facets of impulsivity and related aspects differentiate among recreational and unregulated use of Internet-pornography. *Journal of Behavioral Addictions*, 8(2), 223-233. <https://doi.org/10.1556/2006.8.2019.22>
  15. **Mueller, S. M.**, García Arias, M., Mejuto Vázquez, G., Schiebener, J., Brand, M., & Wegmann, E. (2019). Decision support in patients with mild Alzheimer's disease. *Journal of Clinical and Experimental Neuropsychology*, 41(5), 484-496. <https://doi.org/10.1080/13803395.2019.1585517>
  16. **Mueller, S. M.** & Brand, M. (2018). Approximate number processing skills contribute to decision making under objective risk: Interactions with executive functions and objective numeracy. *Frontiers in Psychology: Cognition*, 9(1202), 1-16. <https://doi.org/10.3389/fpsyg.2018.01202>
  17. **Mueller, S. M.**, Schiebener, J., Delazer, M., & Brand, M. (2018). Risk approximation in decision making: Approximative numeric abilities predict advantageous decisions under objective risk. *Cognitive Processing*. 19(3), 297-315. <https://doi.org/10.1007/s10339-018-0854-9>
  18. Wegmann, E., **Müller, S. M.**, Ostendorf, S., & Brand, M. (2018). Highlighting Internet-communication disorder as further Internet-use disorder when considering neuroimaging studies. *Current Behavioral Neuroscience Reports*, 5(4), 295-301. <https://doi.org/10.1007/s40473-018-0164-7>
  19. **Mueller, S. M.**, Schiebener, J., Stöckigt, G., & Brand, M. (2017). Short- and long-term consequences in decision-making under risk: immediate feedback about long-term prospects benefits people tending to impulsive processing. *Journal of Cognitive Psychology*, 29(2), 217-239. <https://doi.org/10.1080/20445911.2016.1245660>

### Book Chapters

- **Müller, S. M.**, Liebherr, M., Wegmann, E., & Brand, M. (2021). Decision making – a neuropsychological perspective. In S. Della Sala (Ed.), *Encyclopedia of Behavioural Neuroscience*, 2<sup>nd</sup> edition (Chapter 00810). Elsevier. <https://doi.org/10.1016/B978-0-12-819641-0.00132-8>
- **Müller, S. M.**, Bottel, L., & Brand, M. (2016). Einstellungen und Vorbehalte der Zielkunden [Attitudes and reservations of target customers]. In H. Proff, M. Brand, K. Mehnert, J. A. Schmidt, & D. Schramm (Eds.), *Elektrofahrzeuge für die Städte von morgen [Electric vehicles for the cities of tomorrow]*, (p. 106-117). Wiesbaden: Springer Fachmedien.
- **Müller, S. M.** & Brand, M. (2016). Herausforderung für die Psychologie: Blockaden gegenüber Neuerungen [Challenges for psychology: Blockades against innovations]. In H. Proff, M. Brand, K. Mehnert, J. A. Schmidt, & D. Schramm (Eds.), *Elektrofahrzeuge für die Städte von morgen [Electric vehicles for the cities of tomorrow]*, (pp. 39-52). Wiesbaden: Springer.
- Schleiffer, N., **Müller, S. M.**, & Koppers, M. (2016). Informationen über Zielkunden: Fahrgefühl und Designentwurf [Information on target customers: driving experience and design draft]. In H. Proff, M. Brand, K. Mehnert, J. A. Schmidt, & D. Schramm (Eds.), *Elektrofahrzeuge für die Städte von morgen [Electric vehicles for the cities of tomorrow]*, (p. 213-227). Wiesbaden: Springer Fachmedien.

### Conference Contributions

#### *Proceedings (refereed)*

1. **Mueller, S. M.**, Antons, S., Wegmann, E., & Brand, M. (2019, June). Using multiple Internet applications problematically: Differences between individuals with symptoms of one specific, multiple specific, and those without symptoms of any Internet-use disorders [Abstract]. *Journal of Behavioral Addictions*, 8(Suppl. 1), 150-150. doi: 10.1556/JBA.8.2019.Suppl.1
2. **Müller, S. M.**, Lescher, M., Wegmann, E., Brand, M., & Müller, A. (2018, April). Cue-reactivity and craving reactions towards food stimuli: Evidence from behavioral data [Abstract]. *Journal of Behavioral Addictions*, 7(Suppl. 1), 103-103. doi: 10.1556/JBA.7.2018.Suppl.1
3. **Mueller, S. M.**, Wegmann, E., Vetter, A. F., & Brand, M. (2018). Individual differences in decision making, executive functions, and impulsivity: Comparisons of problematic and non-problematic Internet-users [Abstract]. In J. Hartig & H. Horz (Eds.), 51. *Kongress der Deutschen Gesellschaft für Psychologie* (pp. 625-626), Lengerich: Pabst Science Publishers.

4. **Mueller, S. M.**, Delazer, M., & Brand, M. (2018). Interactions of approximate number processing skills with numeracy and executive functions in decision making under risk. In A. C. Schütz, A. Schubö, D. Endres, & H. Lachnit (Eds.), *Abstracts of the 60th Conference of Experimental Psychologists (TeaP)* (p. 183), Lengerich: Pabst.
5. **Müller, S. M.**, Schiebener, J., & Brand, M. (2017). Making people reflect on options interferes with decision making under risk [Abstract]. In T. Goschke, A. Bolte, & C. Kirschbaum (Eds.), *Abstracts of the 59th Conference on Experimental Psychologists (TeaP)* (p. 25), Lengerich: Pabst Science Publishers.
6. **Mueller, S. M.**, Wegmann, E., Stodt, B., & Brand, M. (2017). Relations of cue-specific executive and inhibitory control with tendency towards Internet-communication disorder [Abstract]. *Journal of Behavioral Addictions*, 6(Suppl. 1), 36-36.
7. **Mueller, S. M.**, Schiebener, J., Schiebener, J., Delazer, M., Gallinger, C. & Brand, M. (2016). Zahlen in Kopf und Bauch: Die Rolle expliziter und impliziter Häufigkeitsverarbeitung bei der Entscheidungsfindung unter Risiko [Abstract]. In I. Fritsche (Ed.). *Abstracts des 50. Kongress der Deutschen Gesellschaft für Psychologie*, Lengerich: Pabst Science Publishers.
8. **Mueller, S. M.**, Schiebener, J., Pekal, J., Stöckigt, G. & Brand, M. (2016). Weighing up short- and long-term consequences: A process relevant in IT-security decisions? [Abstract]. *International Journal of Psychology*, 51, 337-337.
9. **Müller, S. M.**, Schiebener, J., Stöckigt, G., & Brand, M. (2016). Weighing up short- and long-term risks: The interaction of feedback and predispositions for impulsive versus reflective processing in decision making under risk [Abstract]. In J. Funke, J. Rummel, & A. Voß (Eds.), *Abstracts of the 58th Conference of Experimental Psychologists (TeaP)* (p. 228-229), Lengerich: Pabst Science Publishers.

#### **Oral and Poster Presentations (refereed)**

- **Müller, S. M.**, Wegmann, E., Lescher, M., Brand, M., & Müller, A. (2021, March). Das Zusammenspiel reduzierter kognitiver Kontrollfähigkeiten und psychopathologischer Symptome bei Patienten mit Adipositas zweiten und dritten Grades: Ergebnisse eines Strukturgleichungsmodells [The interaction of reduced cognitive control abilities and psychopathological symptoms in patients with second- and third-degree obesity: results of a structural equation model]. Abstract presented at the 7<sup>th</sup> Scientific Congress of the German Society for Eating Disorders (DGEES), virtual conference, Germany.
- **Müller, S. M.**, Stolze, D., Wegmann, E., & Brand, M. (2019, September). „Bloß nichts verpassen“: Die Relevanz von FoMO und Social Zapping im Kontext einer pathologischen Nutzung sozialer Netzwerkseiten [The relevance of FoMO and social zapping in the context of a pathological use of social networking sites]. Abstract presented at Deutscher Suchtkongress 2019 [German Congress on Addiction 2019], Mainz, Germany.
- **Mueller, S. M.**, Wegmann, E., Lescher, M., Brand, M., & Müller, A. (2019, September). Reduced cognitive control and psychopathological symptoms predict eating disorder severity in patients with morbid obesity: Results of a structural equation model with latent dimensions. Poster presented at the 7th scientific meeting of the Federation of the European Societies of Neuropsychology (FESN), Milan, Italy.
- **Mueller, S. M.**, Averbeck, H., Wegmann, E., & Brand, M. (2019, April). Dual-tasking in risky decision making: Do parallel auditory working-memory demands affect choice performance in complex situations?. Poster presented at the 61th Conference on Experimental Psychologists (TeaP), London, UK.
- **Mueller, S. M.**, Pekal, J., Stodt, B., & Brand, M. (2018). IT-security awareness penetration testing: Assessing the human factor in critical IT infrastructures. Abstract presented at the 29th International Conference of Applied Psychology, Montreal, Canada.
- **Mueller, S.M.**, Schiebener, J., & Brand, M. (2017). Triggering intuitive and reflective decision making in situations with varying probability information. Subjective Probability, Utility, and Decision Making Conference (SPUDM), Haifa, Israel.