

**Publications**

- Benzing, V.**, Eggenberger, N., Spitzhüttl, J. S., Siegwart, V., Pastore-Wapp, M., Kiefer, C., Slavova, N. B., Grotzer, M., Heinks, T., Schmidt, M., Conzelmann, A., Steinlin, M., Everts, R. & Leibundgut, K. (2018). The Brainfit study: efficacy of cognitive training and exergaming in pediatric cancer survivors - a randomized controlled trial. *BMC cancer*, 18, 18. 10.1186/s12885-017-3933-x
- Benzing, V.**, Heinks, T., Eggenberger, N., & Schmidt, M. (2016). Acute cognitively engaging exergame-based physical activity enhances executive functions in adolescents. *PLOS ONE*, 11(12), e0167501. <http://doi.org/10.1371/journal.pone.0167501>
- Benzing, V.**, & Schmidt, M. (2017). Cognitively and physically demanding exergaming to improve executive functions of children with attention deficit hyperactivity disorder: a randomised clinical trial. *BMC Pediatrics*, 1–8. <http://doi.org/10.1186/s12887-016-0757-9>
- Benzing, V.**, & Schmidt, M. (2017). Move! – Because exercise can boost your brainpower. *Frontiers for young minds*. Doi.: 10.3389/frym.2017.00022
- Everts, R., Spitzhüttl, J., **Benzing, V.**, Siegwart, V., Wiest, R., Grotzer, M. & Leibundgut, K. (2017). The Brainfit Study: Efficacy of Cognitive Training and Exergaming in Pediatric Cancer Survivors – a Randomized Controlled Trial. *Schweizer Krebsbulletin / Bulletin suisse du cancer*. 37, 373-374.
- Mueller, D., Khalesi, Z., **Benzing, V.**, Castiglione, C., & Roder, V. (2017). Does Integrated Neurocognitive Therapy (INT) reduce severe negative symptoms in schizophrenia outpatients? *Schizophrenia Research*. 10.1016/j.schres.2017.01.037
- Schmidt, M., **Benzing, V.**, & Kamer, M. (2016). Classroom-based physical activity breaks and children's attention: cognitive engagement works! *Frontiers in Psychology*, 7, 1–13. Doi: 10.3389/fpsyg.2016.01474
- Schmidt, M., Egger, F., **Benzing, V.**, Jäger, K., Conzelmann, A., Roebbers, C.M., & Pesce, C. (2017). Disentangling the relationship between children's motor ability, executive function and academic achievement. *PLOS ONE*, 12(8): e0182845. <https://doi.org/10.1371/journal.pone.0182845>

**Awards****1<sup>st</sup> prize NASPSPA Outstanding Student Paper Award**

- Benzing, V.**, & Schmidt, M. (2017). Exergaming intervention to foster executive functions in children with attention deficit hyperactivity disorder: preliminary results from a clinical trial. In 50<sup>th</sup> NASPSPA conference. San Diego, USA.

**3<sup>rd</sup> prize SGS Young Investigator Award**

- Benzing, V.**, & Schmidt, M. (2018). Exergaming intervention to foster executive functions in children with attention deficit hyperactivity disorder: Results from a randomized controlled trial. In 50. Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie. Magglingen, Switzerland

### Conference Presentations

- Benzing, V., & Schmidt, M. (2017).** Exergaming intervention to foster executive functions in children with attention deficit hyperactivity disorder: Results from a randomized controlled trial. In 50. Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie. Magglingen, Switzerland
- Benzing, V., & Schmidt, M. (2017).** Can active video gaming improve executive functions in children with ADHD? In: 49. Jahrestagung der Arbeitsgemeinschaft für Sportpsychologie. Bern, Switzerland.
- Benzing, V., & Schmidt, M. (2017).** Exergaming intervention to foster executive functions in children with attention deficit hyperactivity disorder: preliminary results from a clinical trial. In 50<sup>th</sup> NASPSPA conference. San Diego, USA.
- Benzing, V., Eggenberger, N., Heinks, T. & Schmidt, M., (2017).** *Acute cognitively engaging exergaming improves cognitive flexibility performance in adolescents.* In: 9. Jahrestagung der Sportwissenschaftlichen Gesellschaft Schweiz. Zürich, Switzerland.
- Benzing, V., Eggenberger, N., Heinks, T. & Schmidt, M., (2016).** *Acute cognitively engaging exergaming enhances executive functions in adolescents.* In: Improving Cognition, Learning, and Memory in Healthy and Clinical Samples: Interventions and Methodological Considerations. Weggis, Switzerland.
- Müller, D., **Benzing, V.** & Roder, V., (2014). *State of the art of integrated therapy approaches in the treatment of schizophrenia: empirical evidence and clinical relevance.* In: International Congress of the WFMH & the Hellenic Psychiatric Association "Living With Schizophrenia". Athens, Greece.
- Schmidt, M., & **Benzing, V., (2017).** *Physical activity and adolescent's creativity: Feedback matters!* In: 9. Jahrestagung der Sportwissenschaftlichen Gesellschaft Schweiz. Zürich, Switzerland.
- Schmidt, M., & **Benzing, V., (2017).** *Enhancing adolescent's concentration and creativity: Feedback matters!* In 50<sup>th</sup> NASPSPA conference. San Diego, USA.

### Poster presentations

- Benzing, V., Heinks, T., Conzelmann, A., & Schmidt, M. (2016).** Cognitively Engaging Exergaming Immediately Enhances Executive Function and Impacts Heart Rate Variability in Adolescents. Poster präsentiert an "8. Jahrestagung der SGS in Bern".
- Benzing, V., Stegmayer, K., Viher, P., Vanbellingen, T., Federspiel, A., Müri, R., Schaub, N. R., Wiest, Bohlhalter, S., Strik, W. & Walther, S. (2015).** *Deficits in fine motor function are associated with reductions of grey matter volume and resting state perfusion in the motor system in schizophrenia.* Poster präsentiert am 10th annual meeting clinical neuroscience, Bern.
- Benzing, V., Stegmayer, K., Viher, P., Vanbellingen, T., Federspiel, A., Müri, R., Schaub, N. R., Wiest, Bohlhalter, S., Strik, W. & Walther, S. (2015).** *Disturbed fine motor performance is associated with altered structure and perfusion of the motor system in schizophrenia.* Poster präsentiert an der 59. Wissenschaftliche Jahrestagung der Deutschen

Gesellschaft für Klinische Neurophysiologie und Funktionelle Bildgebung mit Richard-Jung-Kolleg.

- Benzing, V.**, Stegmayer, K., Viher, P., Vanbellingen, T., Federspiel, A., Müri, R., Schaub, N. R., Wiest, Bohlhalter, S., Strik, W. & Walther, S. (2014). *Impaired fine motor function is associated with altered structure and function of the motor system in schizophrenia*. Poster präsentiert am Resting States and State Dependent Information Processing in Health and Disease Kongress, Ascona.
- Benzing, V.** & Krummenacher, J. (2012). Cross-modal Intergration in the Simon Task: Auditory-tactile Redundancy Gains and Co-active Response Activation. Poster präsentiert am "Third Symposium on Visual Search and Selective Attention".
- Müller, D., **Benzing V.** & Roder, V. (2014). *Effectiveness of integrated cognitive remediation therapy for schizophrenia outpatients: Early versus long-term course of illness- results from an international RCT*. Schizophrenia Research, 153, Supplement 1, p. 117. Elsevier 10.1016/S0920-9964(14)70358-5.
- Stegmayer, K., Sulzbacher, J., Vanbellingen, T., **Benzing, V.**, Bohlhalter, S., Müri, R., Strik, W., & Walther, S. (2015). *Impaired gesture performance as potential endophenotype of schizophrenia*. Poster präsentiert an der 59. Wissenschaftliche Jahrestagung der Deutschen Gesellschaft für Klinische Neurophysiologie und Funktionelle Bildgebung mit Richard-Jung-Kolleg.
- Viher, P., Stegmayer, K., Federspiel, A., Giezendanner, S., **Benzing, V.**, Bohlhalter, S., Vanbellingen, T., Müri, R., Wiest, R., Strik, W. & Walther, S. (2015). *Structural imaging correlates of impaired gesture performance in schizophrenia*. Poster präsentiert am 10th annual meeting clinical neuroscience, Bern.
- Walther, S., Sulzbacher, J., Vanbellingen, T., **Benzing, V.**, Bohlhalter, S., Müri, R. & Stegmayer, K. (2015). *Difficulties of gesture performance: a potential endophenotype of schizophrenia?* Poster präsentiert am 10th annual meeting clinical neuroscience, Bern.