



Anne Lisa N. Martinelli

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Employment

- Since 08/2018 **Instructor and Research Scientist**, Fresenius University of Applied Sciences, Frankfurt am Main
- Expertise:** Clinical (Child and Youth) Psychology, Psychological Diagnostic, Biological Psychology, Neuropsychology, Scientific Methods
- Research:** Affective Neuroscience in Childhood and Adolescence, Conduct Disorder, Cognitive Biases and associated behavior modification
- Methods:** Laboratory measurements (behavioral and observation methods), semi-structured interviews with parents and children/adolescents, mimic analysis, functional imaging (fMRI), physiological measurements (EEG, ECG, EDA)
- 09/2022 – 08/2025 **Dean of Studies Master Psychology**, Fresenius University of Applied Sciences, Frankfurt am Main

Education

- 10/2013 – 07/2018 **PhD Psychologie (Dr. rer. nat.)** University Clinic for Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy, Frankfurt am Main, Germany and Department of Psychology, J.W. Goethe University, Frankfurt am Main, Germany
Neural correlates of interpretation biases in children and youth with conduct disorder
- 09/2010 – 05/2012 **Master of Science in Neural & Behavioural Sciences (M.Sc.)** Eberhard Karls University of Tübingen & International Max Planck Research School
Cue and target related activity in response to bilateral stimuli: an fMRI study
- 08/2004 – 12/2007 **Bachelor of Science in Psychology (B.Sc.)** Georgia Institute of Technology, Atlanta, USA
Emotion Biases in Older and Younger Adults: Novelty Preference as an Index of Attention

Clinical experience, international

- 09/2009 – 12/2009 **Psychologist** for children of internally displaced families and families in extreme poverty, Fundación Grupo Positivo, Bogota, Colombia
- 03/2009 – 06/2009 **Preschool behavioral therapist** for 4-6 year olds in a residential care facility, Fundación Santa Martha, Picapiedra, Peru
- 08/2008 – 03/2009 **Academic support teacher** (Single-case supervisor for behavioral and learning disabled children, 4th – 6th grade), Bilingual Education for Central America, Cofradía, Honduras
- 05/2007 – 08/2007 **Behavioral therapist and data specialist** for children with self-injurious, severe behavior disorders, Marcus Autism Center, Atlanta, USA

Postgraduate research and teaching

- 10/2017 – 02/2018 **Instructor**, „Foundations of Psychology – Advanced Studies, General Psychology II“, Department of Psychology, J.W. Goethe University, Frankfurt am Main
- Since 06/2017 **Bachelor and master thesis advisor**, Department of Psychology, J.W. Goethe University, Frankfurt am Main | School of Psychology, Fresenius University of Applied Sciences, Frankfurt, Germany
- 01/2013 – 09/2013 **Postgraduate research scientist**, Department of Affective Neuropsychiatry, University Clinic for Psychiatry and Psychotherapy, Tübingen, Germany (fMRI)

Selected publications and conference contributions

- 2025 Schitter, M., **Martinelli, A.**, Baum, C. (2025) Validation of the HEISS-G and the role of humor production for psychological well-being in a Structural Equation Modeling approach. *HUMOR: International Journal of Humor Research*, 38(3), 433-460.
- Baum, C., Ditter, V., Wurtz, J., Schitter, M., **Martinelli, A.** (2025) A randomized-controlled trial comparing relative effects of interoceptive exposure focus versus distraction on cold-pressor induced pain. *Behaviour Research and Therapy*, 193: 104824.
- Townend, S., Staginnus, M., Rogers, J., Smaragdi, A., **Martinelli, A.**, Bernhard, A., Raschle, N. M., Kohls, G., Konrad, K., Stadler, C., Freitag, C. M., Walton, E., De Brito, S. A. & Fairchild, G. (2025) Testing the Ecophenotype Hypothesis: Differences in White Matter Microstructure in Youth with Conduct Disorder With Versus Without a History of Childhood Abuse. *Development and Psychopathology*, 26:1-15.
- Bernhard, A., Fann, N., Chiocchetti, A., Ackermann, K., **Martinelli, A.**, Freitag, C.M. (2025) Psychoneuroendocrine stress response in female and male youth with major depressive disorder. *Journal of Child Psychology and Psychiatry*, 66(10): 1563-1576.
- 2024 Stadler, C., Freitag, C. M., Popma, A., Nauta-Jansen, L., Konrad, K., Unternaehrer, E., Ackermann, K., Bernhard, A., **Martinelli, A.**, Oldenhof, H., Gundlach, M., Kohls, G., Prätzlich, M., Kieser, M., Limprecht, R., Raschle, N. M., Vriends, N., Trestman, R. L., Kirchner, M., & Kersten, L. (2024). START NOW: a cognitive behavioral skills training for adolescent girls with conduct or oppositional defiant disorder - a randomized clinical trial. *Journal of Child Psychology and Psychiatry, and Allied Disciplines*, 65(3), 316–327.
- Cornwell, H., Toschi, N., Hamilton-Giachritsis, C., Staginnus, M., Smaragdi, A., Gonzalez-Madruga, K., Mackes, N., Rogers, J., **Martinelli, A.**, Kohls, G., Raschle, N. M., Konrad, K., Stadler, C., Freitag, C. M., De Brito, S. A., & Fairchild, G. (2024). Identifying cortical structure markers of resilience to adversity in young people using surface-based morphometry. *Social Cognitive and Affective Neuroscience*, 19(1), nsae006.
- 2023 **Martinelli, A.**, Hoffmann, E., Brück, C., Kreifelts, B., Ethofer, T., Wildgruber, D. (2023) Neurobiological correlates and attenuated positive social intention attribution during laughter perception associated with degree of autistic traits. *Journal of Neural Transmission*, 130(4), 585–596.
- Cornwell, H., Toschi, N., Hamilton-Giachritsis, C., Staginnus, M., Smaragdi, A., Gonzalez-Madruga, K., Rogers, J., **Martinelli, A.**, Kohls, G., Raschle, N. M., Konrad, K., Stadler, C., Freitag, C., De Brito, S., & Fairchild, G. (2023). Identifying structural brain markers of resilience to adversity in young people using voxel-based morphometry. *Development and Psychopathology*, 35(5):2302-2314.
- Diaconu, B., Kohls, G., Rogers, J. C., Pauli, R., Cornwell, H., Bernhard, A., **Martinelli, A.**, ... Stadler, C., Konrad, K., Freitag, C. M., Fairchild, G., Rotshtein, P., & De Brito, S. A. (2023). Emotion processing in maltreated boys and girls: Evidence for latent vulnerability. *European Child & Adolescent Psychiatry*, 32(12), 2523–2536.
- 2022 **Martinelli, A.**, Grüll, J., & Baum, C. (2022). Attention and interpretation cognitive bias change: A systematic review and meta-analysis of bias modification paradigms. *Behaviour Research and Therapy*, 157, 104180.
- "Perceived social intention and function in response to naturalistic laughter in children and adolescents", **Martinelli, A.**, Deutsche Gesellschaft für Psychiatrie und Psychotherapie, Psychosomatik und Nervenheilkunde Kongress, 12.2022, Berlin, Deutschland (Poster)
- "Neural processing of benevolent, tickling and taunting laughter in disruptive behavior disorders", **Martinelli, A.**, Organization for Human Brain Mapping Annual Conference, 06.2022, Glasgow, UK; Alpine Brain Imaging Meeting, 01.2022, Champéry, Schweiz; Deutsche Gesellschaft für Psychiatrie und Psychotherapie, Psychosomatik und Nervenheilkunde Kongress, 12.2021, Deutschland, Germany (Poster)
- 2021 **Martinelli A.**, Kreifelts B., Wildgruber D., Ackermann K., Bernhard A., Freitag C.M., Schwenck C. (2021). Aggression distinctly modulates neural correlates of social intention attribution to different laughter types. *Social Neuroscience*, 16(3):303-316.

Bernhard A., Ackermann K., **Martinelli A.**, Chiocchetti A.G., Vllasaliu L., González-Madruga K., Batchelor M., Raschle N.M., Oldenhof H., Jansen L.M.C., Kohls G., Konrad K., Popma A., Stadler C., Fairchild G., Freitag C.M. (2021) Neuroendocrine Stress Response in Female and Male Youths With Conduct Disorder and Associations With Early Adversity. *Journal of the American Academy of Child and Adolescent Psychiatry*. 61(5), 698–710.

Honors and Awards

- Research award | Fresenius University of Applied Sciences | 2022, 2023, 2024, 2025
- Stipend recipient (Conference travel costs) | Deutscher Akademischer Austausch Dienst | 2015, 2017
- Stipend recipient (Conference travel costs) | Vereinigung von Freunden und Förderern der Goethe-Universität Frankfurt | 2016
- Dean's List | Graduate Training Centre of Neuroscience | 2010, 2011
- Stipend recipient (Master studies) | Deutscher Akademischer Austausch Dienst | 2010-2012
- Member | Psi Chi Psychology National Honor Society | 2006-2007