

Biography

Christian Schmahl, MD, is Professor of Experimental Psychopathology and Medical Director of the Department of Psychosomatic Medicine at the Central Institute of Mental Health in Mannheim, Germany, which specializes in DBT treatment for patients with Borderline Personality Disorder and Posttraumatic Stress Disorder. His research focus is on emotion regulation, self-injurious behavior and dissociation as well as the interaction of neurobiology and psychotherapy in Borderline Personality Disorder and Posttraumatic Stress Disorder. He received his M.D. in Germany at Mainz and Giessen Medical School and did his residency in Psychiatry at Freiburg Medical School and his residency in Psychosomatic Medicine at the CIMH. From 2015 until 2018 he was spokesperson of the Clinical Research Unit "Mechanisms of Disturbed Emotion Processing in Borderline Personality Disorder" and since 2018 he is spokesperson of the Research Training Group "Impact of Adverse Childhood Experiences on Psychosocial and Somatic Conditions across the Lifespan". He is Editor-in-Chief of "Borderline Personality Disorder and Emotion Regulation" and has published more than 200 articles and book chapters.

Selected Publications

Herzog, J.I., Thome, J., Demirakca, T., Koppe, G., Ende, G., Lis, S., Rausch, S., Priebe, K., Müller-Engelmann, M., Steil, R., Bohus, M., Schmahl, C. (2020). Severity of type and timing of retrospectively reported childhood maltreatment on female amygdala and hippocampal volume. *Scientific Reports*, 10:1903

Zaehring, J.K., Ende, G., Santangelo, P., Kleindienst, N., Ruf, M., Bertsch, K., Bohus, M., Schmahl, C., Paret, C. (2019). Improved emotion regulation after neurofeedback: A single-arm trial in patients with borderline personality disorder. *Neuroimage Clinical*, 24:102032

Grading, T., Sack M., Cardinale, V., Thiaucourt, M., Baumgärtner, U., Schmahl, C., Ende, G. (2019). The glutamate to GABA ratio in the posterior insula is associated with pain perception in healthy women but not in women with borderline personality disorder. *Pain*, 160, 2487-2496.

Mancke, F., Schmitt, R., Winter, D., Niedtfeld, I., Herpertz, S.C., & Schmahl, C. (2018). Assessing the marks of change: how psychotherapy alters the brain structure in women with borderline personality disorder. *Journal of Psychiatry and Neuroscience*, 43, 171-181.

Lyssenko, L.*, Schmahl, C.*, Weidner, L., Vonderlin, R., Bohus, M., & Kleindienst, N. (2018). Dissociation in psychiatric disorders – a meta-analysis of studies using the Dissociative Experience Scale. *American Journal of Psychiatry*, 175, 37-46. (* Both authors contributed equally)

Paret, C., Kluetsch, R., Zaehring, J., Ruf, M., Demirakca, T., Bohus, M., Ende, G., & Schmahl, C. (2016). Alterations of amygdala-prefrontal connectivity with real-time fMRI neurofeedback in BPD Patients. *Social Cognitive and Affective Neuroscience*, 11, 952-960

Schulze, L., Schmahl, C., & Niedtfeld, I. (2016). Neural correlates of disturbed emotion processing in borderline personality disorder: A multimodal meta-analysis. *Biological Psychiatry*, 79(2), 97-106.

Ende, G., Cackowski, S., Van Eijk, J., Sack, M., Demirakca, T., Kleindienst, N., Bohus, M., Sobanski, E., Krause-Utz, A., & Schmahl, C. (2015). Impulsivity and aggression in female BPD and ADHD patients: association with ACC glutamate and GABA concentrations. *Neuropsychopharmacology*, 41(2):410-418.

Reitz, S., Kluetsch, R., Niedtfeld, I., Knorz, T., Lis, S., Paret, C., Kirsch, P., Meyer-Lindenberg, A., Treede, R.D., Baumgärtner, U., Bohus, M., & Schmahl, C. (2015). Incision

and stress regulation in borderline personality disorder: neurobiological mechanisms of self-injurious behaviour. *British Journal of Psychiatry*, 207(2), 165-172.

Niedtfeld, I., Schulze, L., Kirsch, P., Herpertz, S.C., Bohus, M., & Schmahl, C. (2010). Affect regulation and pain in borderline personality disorder: a possible link to the understanding of self-injury. *Biological Psychiatry*, 68(4), 383-391.

Schmahl, C., Bohus, M., Esposito, F., Treede, R.-D., Di Salle, F., Greffrath, W., Ludaescher, P., Jochims, A., Lieb, K., Scheffler, K., Hennig, J., Seifritz, E. (2006). Neural correlates of antinociception in borderline personality disorder. *Archives of General Psychiatry*. 63, 659-667.

Lieb, K., Zanarini, M., Schmahl, C., Linehan, M., Bohus, M. (2004). Borderline Personality Disorder. *Lancet*, 364, 453-461.