

CURRICULUM VITAE

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PRIMARY RESEARCH INTERESTS

Psychopathology: Experimental research of alterations and dysfunctions that underlie common psychiatric disorders, with special focus on depression and adverse childhood experience

Evolutionary psychiatry: Phylogenetic and developmental influences on psychiatric disorders

Stress research: Effects of acute psychological and physiological stress on cognitive and emotional processing

Psychoneuroendocrinology: The interplay between the hormonal system and psychological or behavioral functioning, with special focus on cortisol and testosterone

Psychophysiology: Developing methods to assess psychological processes by measuring physiological signals such as electromyography, electro-dermal activity, electrocardiography and heart rate variability

POSTGRADUATE TRAINING AND POSITIONS

2018 -

Principal investigator in research project funded by the German Research Foundation (DFG)

2014 -

Postdoctoral researcher at the Charité Universitätsmedizin Berlin

2013 -

Advanced training and clinical education as a psychological psychotherapist

EDUCATION

2013

Doctoral thesis: *"The startle response in psychophysiological research: modulating effects of contextual parameters."* (summa cum laude)

2008 - 2013

PhD student and stipend of the International Research Training Group (IRTG)
"Psychoneuroendocrinology of Stress: From Gene and Molecule to Cognition and Affect" (granted by the German Research Foundation, DFG), Institute of Psychobiology, Department of Clinical Physiology, University of Trier, Germany

2008

Diploma of psychology (A-level degree), Title of thesis: *„Geschlechtsunterschiede bei der Verarbeitung emotionaler Reize: Reaktionen in EEG- und Verhaltensmaßen auf emotionale Reize bei Mann und Frau unter Aufmerksamkeitsbelastung.“*

2001 - 2008

Studies of psychology at the Universität Trier, Germany

AWARDS AND GRANTS

2019

Seed Funding Program of the Berlin University Alliance and the University of Melbourne, Australia for the project: *"Bridging psychology, economics, and neuroscience -MEL-BER Research Partnership on Decision"* in Cooperation with Hauke Heekeren (Freie Universität Berlin) and Stefan Bode (University of Melbourne)

2018

Research grant by the DFG for principal investigator position („Eigene Stelle“ and „Sachbeihilfe“, DE 2592/3-1) with the project: *"Are early stress effects on cognitive processes mediated by the mineralocorticoid or glucocorticoid receptor?"*

2018

Travel grant of the German Academic Exchange Service (DAAD)

2013

Publication Award of the International Graduate Centre of the University of Trier

2008-2011

Scholarship granted by the German Research Foundation (DFG) in the International Research Training Group (IRTG) of the University of Trier, Germany, University of Luxembourg and University of Leiden, The Netherlands *"Psychoneuroendocrinology of Stress: From Molecule and Gene to Affect and Cognition"*

PUBLICATIONS

Deuter, C. E., Best, D., Schachinger, H., & Neumann, R. (submitted manuscript). Effects of cognitive and embodied power manipulations on the human stress response.

Nowacki, J., Wingenfeld, K., Kaczmarczyk, M., Chae, W. R., Salchow, P., **Deuter, C. E.**, Piber, D., & Otte, C. (2021). Selective attention to emotional stimuli and emotion recognition in patients with major depression: The role of mineralocorticoid and glutamatergic NMDA receptors. *J Psychopharmacol*, 35(8), 1017-1023. doi: 10.1177/02698811211009797

Deuter, C. E., Duesenberg, M., Hellmann-Regen, J., Metz, S., Roepke, S., Wolf, O. T., Otte, C., & Wingenfeld, K. (2021). Psychosocial stress increases testosterone in patients with borderline personality disorder, post-traumatic stress disorder and healthy participants. *Borderline Personal Disord Emot Dysregul*, 8(1), 3. doi: 10.1186/s40479-021-00145-x

Schulz, A., **Deuter, C. E.**, Breden, I. H., Vögele, C., Wingenfeld, K., Otte, C., & Kuehl, L. K. (2021). Noradrenergic activation induced by yohimbine decreases interoceptive accuracy in healthy individuals with childhood adversity. *Dev Psychopathol*, 1-12. doi: 10.1017/s0954579420001613

Metz, S., Chae, W. R., **Deuter, C. E.**, Otte, C., & Wingenfeld, K. (2021). Effects of hydrocortisone and yohimbine on selective attention to emotional cues. *J Psychopharmacol*, 35(6), 755-759. doi: 10.1177/0269881121997100

Kuehl, L. K., Schultebrasucks, K., **Deuter, C. E.**, May, A., Spitzer, C., Otte, C., & Wingenfeld, K. (2020). Stress effects on cognitive function in patients with major depressive disorder: Does childhood trauma play a role? *Dev Psychopathol*, 32(3), 1007-1016. doi: 10.1017/s0954579419000932

Deuter, C. E., Wingenfeld, K., Otte, C., Bustami, J., Kaczmarczyk, M., & Kuehl, L. K. (2020). Noradrenergic system and cognitive flexibility: Disentangling the effects of depression and childhood trauma. *J Psychiatr Res*, 125, 136-143. doi: 10.1016/j.jpsychires.2020.03.017

Kaczmarczyk, M., Spitzer, C., Wingenfeld, K., Wiedemann, K., Kuehl, L. K., Schultebrasucks, K., **Deuter, C. E.**, & Otte, C. (2020). No association between major depression with and without childhood adversity and the stress hormone copeptin. *Eur J Psychotraumatol*, 11(1), 1837511. doi: 10.1080/20008198.2020.1837511

Kuehl, L. K., **Deuter, C. E.**, Hellmann-Regen, J., Kaczmarczyk, M., Otte, C., & Wingenfeld, K. (2020). Enhanced noradrenergic activity by yohimbine and differential fear conditioning in patients with major depression with and without adverse childhood experiences. *Prog Neuropsychopharmacol Biol Psychiatry*, 96, 109751. doi: 10.1016/j.pnpbp.2019.109751

- Nowacki, J., Wingenfeld, K., Kaczmarczyk, M., Chae, W. R., Abu-Tir, I., **Deuter, C. E.**, Piber, D., Hellmann-Regen, J., & Otte, C. (2020). Cognitive and emotional empathy after stimulation of brain mineralocorticoid and NMDA receptors in patients with major depression and healthy controls. *Neuropsychopharmacology*, 45(13), 2155-2161. doi: 10.1038/s41386-020-0777-x
- Deuter, C. E.**, Wingenfeld, K., Schultebrasucks, K., Otte, C., & Kuehl, L. K. (2019). Influence of glucocorticoid and mineralocorticoid receptor stimulation on task switching. *Horm Behav*, 109, 18-24. doi: 10.1016/j.yhbeh.2019.01.007
- Nowacki, J., Duesenberg, M., **Deuter, C. E.**, Otte, C., & Wingenfeld, K. (2019). Delayed effects of psychosocial stress on risk taking. *Stress*, 22(4), 446-454. doi: 10.1080/10253890.2019.1593364
- Nowacki, J., Heekeren, H. R., **Deuter, C. E.**, Joerißen, J. D., Schröder, A., Otte, C., & Wingenfeld, K. (2019). Decision making in response to physiological and combined physiological and psychosocial stress. *Behav Neurosci*, 133(1), 59-67. doi: 10.1037/bne0000288
- Deuter, C. E.**, Nowacki, J., Wingenfeld, K., Kuehl, L. K., Finke, J. B., Dziobek, I., & Otte, C. (2018). The role of physiological arousal for self-reported emotional empathy. *Auton Neurosci*, 214, 9-14. doi: 10.1016/j.autneu.2018.07.002
- de Punder, K., Entringer, S., Heim, C., **Deuter, C. E.**, Otte, C., Wingenfeld, K., & Kuehl, L. K. (2018). Inflammatory Measures in Depressed Patients With and Without a History of Adverse Childhood Experiences. *Front Psychiatry*, 9, 610. doi: 10.3389/fpsyt.2018.00610
- Finke, J. B., **Deuter, C. E.**, Hengesch, X., & Schächinger, H. (2017). The time course of pupil dilation evoked by visual sexual stimuli: Exploring the underlying ANS mechanisms. *Psychophysiology*, 54(10), 1444-1458. doi: 10.1111/psyp.12901
- Deuter, C. E.**, Wingenfeld, K., Schultebrasucks, K., Hellmann-Regen, J., Piber, D., & Otte, C. (2017). Effects of mineralocorticoid-receptor stimulation on risk taking behavior in young healthy men and women. *Psychoneuroendocrinology*, 75, 132-140. doi: 10.1016/j.psyneuen.2016.10.018
- Schultebrasucks, K., **Deuter, C. E.**, Duesenberg, M., Schulze, L., Hellmann-Regen, J., Domke, A., Lockenvitz, L., Kuehl, L. K., Otte, C., & Wingenfeld, K. (2016). Selective attention to emotional cues and emotion recognition in healthy subjects: the role of mineralocorticoid receptor stimulation. *Psychopharmacology (Berl)*, 233(18), 3405-3415. doi: 10.1007/s00213-016-4380-0
- Piber, D., Schultebrasucks, K., Mueller, S. C., **Deuter, C.E.**, Wingenfeld, K., & Otte, C. (2016). Mineralocorticoid receptor stimulation effects on spatial memory in healthy young adults: a study using the virtual Morris Water Maze task. *Neurobiology of Learning and Memory*. doi: 10.1016/j.nlm.2016.10.006
- Deuter, C. E.**, Schachinger, H., Best, D., & Neumann, R. (2016). Effects of two dominance manipulations on the stress response: Cognitive and embodied influences. *Biol Psychol*, 119, 184-189. doi: 10.1016/j.biopsycho.2016.06.004
- Deuter, C. E.**, Wingenfeld, K., Schultebrasucks, K., Hellmann-Regen, J., Piber, D., & Otte, C. (2016). Effects of mineralocorticoid-receptor stimulation on risk taking behavior in young healthy men and women. *Psychoneuroendocrinology*. doi: 10.1016/j.psyneuen.2016.10.018

Kuehl, L. K., **Deuter, C. E.**, Richter, S., Schulz, A., Ruddle, H., & Schachinger, H. (2015). Two separable mechanisms are responsible for mental stress effects on high frequency heart rate variability: An intra-individual approach in a healthy and a diabetic sample. *Int J Psychophysiol*, 95(3), 299-303. doi: 10.1016/j.ijpsycho.2014.12.003

Deuter, C. E., Wingenfeld, K., Kuehl, L. K., Dziobek, I., Roepke, S., Otte, C., & Hinkelmann, K. (2015). Effects of mineralocorticoid receptor blockade on empathy in patients with major depressive disorder. *Psychoneuroendocrinology*, 61, 55. doi: 10.1016/j.psyneuen.2015.07.539

Schilling, T. M., Larra, M. F., **Deuter, C. E.**, Blumenthal, T. D., & Schachinger, H. (2014). Rapid cortisol enhancement of psychomotor and startle reactions to side-congruent stimuli in a focused cross-modal choice reaction time paradigm. *Eur Neuropsychopharmacol*, 24(11), 1828-1835. doi: 10.1016/j.euroneuro.2014.09.002

Deuter, C. E., Best, D., Kuehl, L. K., Neumann, R., & Schachinger, H. (2014). Effects of approach-avoidance related motor behaviour on the startle response during emotional picture processing. *Biol Psychol*, 103C, 292-296. doi: 10.1016/j.biopsycho.2014.09.013

Deuter, C. E., Schilling, T. M., Kuehl, L. K., Blumenthal, T. D., & Schachinger, H. (2013). Startle effects on saccadic responses to emotional target stimuli. *Psychophysiology*, n/a-n/a. doi: 10.1111/psyp.12083

Bernard, F., **Deuter, C. E.**, Gemmar, P., & Schachinger, H. (2013). Eyelid contour detection and tracking for startle research related eye-blink measurements from high-speed video records. *Computer methods and programs in biomedicine*, 112(1), 22-37.

Deuter, C. E., Kuehl, L. K., Blumenthal, T. D., Schulz, A., Oitzl, M. S., & Schachinger, H. (2012). Effects of cold pressor stress on the human startle response. *PloS one*, 7(11), e49866. doi: 10.1371/journal.pone.0049866

Lass-Hennemann, J., **Deuter, C. E.**, Kuehl, L. K., Schulz, A., Blumenthal, T. D., & Schachinger, H. (2011). Effect of facial self-resemblance on the startle response and subjective ratings of erotic stimuli in heterosexual men. *Arch Sex Behav*, 40(5), 1007-1014. doi: 10.1007/s10508-010-9662-8

Lass-Hennemann, J., **Deuter, C. E.**, Kuehl, L. K., Schulz, A., Blumenthal, T. D., & Schachinger, H. (2010). Effects of stress on human mating preferences: stressed individuals prefer dissimilar mates. *Proc Biol Sci*, 277(1691), 2175-2183. doi: 10.1098/rspb.2010.0258