

## Curriculum Vitae

Dipl.-Psych. Linn Kristina Kühl, PhD  
Charité - University Medicine Berlin  
Department of Psychiatry and Psychotherapy  
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### Research fields

- Effects of stress on learning, memory, and information processing
- Stress and psychophysiology, Autonomic nervous system
- Effects of early life stress (childhood trauma)
- Psychoneuroendocrinology of psychiatric disorders

### Scientific career and working experience

- Since 2013 DFG grant funding "Eigene Stelle", (DFG research project KU 3106/1-2: „Effects of increased noradrenergic activity by yohimbine administration on learning and attention in patients with major depression disorder“), Department of Psychiatry and Psychotherapy, Campus Benjamin Franklin, Charité Berlin, Germany
- 2011 - 2013 Postdoctoral research fellowship (DFG research projects: OT 209/7-1: “The role of the mineralocorticoid receptor for cognition: effects of depression and aging”; HI 1480/2-1: “The role of the mineralocorticoid receptor for cognition: effects of depression and sex”; WI 3396/6-2: “Stress regulation by food intake? Early traumatization as risk factor for the development of metabolic disorders“), Department of Psychiatry and Psychotherapy, Campus Benjamin Franklin, Charité Berlin, Germany
- Since 2010 Clinical work at the Department of Psychiatry and Psychotherapy, Campus Benjamin Franklin, Charité Berlin, Germany
- Since 2010 Advanced training and clinical education as a Psychological Psychotherapist (Cognitive Behavioral Therapy), DGVT e.V. Berlin, Germany
- 2010 Promotion in psychobiology, Title of PhD-thesis: „Effects of Stress Mechanisms on Pain Processing“, degree: summa cum laude
- 2007-2010 PhD student and stipand 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
- 2007 Diploma of psychology, Title of thesis: „Effects of Insulin on Declarative Memory“ (A-level degree)
- 2001-2007 Studies of psychology at the University of Trier, Germany

### **Scientific Awards and Grants**

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| 2013-2016 | Research grant of the German Research Foundation (DFG; KU 3106/2-1) funding "Eigene Stelle"  |
| 2012      | Publication Award of the International Graduate Centre of the University of Trier  |
| 2012      | Travel grant of the German Academic Exchange Service (DAAD) for international conferences  |
| 2011      | Wellcome Trust Summer School grant   |
| 2010      | Poster Award of the professional group of Biological Psychology and Neuropsychology of the German Society of Psychology  |
| 2007-2010 | 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 und Cognition" |

### **Publication list (peer reviewed journals):**

**Kuehl LK**, Hinkelmann K, Muhtz C, Dettenborn L, Wingenfeld K, Spitzer C, Kirschbaum C, Wiedemann K, Otte C. Hair cortisol and cortisol awakening response are associated with criteria of the metabolic syndrome in opposite directions. *Psychoneuroendocrinology*. Jan 2015;365-70.

Wingenfeld K, **Kuehl LK**, Janke K, Hinkelmann K, Eckert FC, Roepke S, Otte C. Effects of mineralocorticoid receptor stimulation via fludrocortisone on memory in women with borderline personality disorder. *Neurobiol Learn Mem*. Feb 2015. pii: S1074-7427(15)00037-4.

**Kuehl LK**, Deuter CE, Richter S, Schulz A, Rüdell H, Schächinger H. 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*. Dec 2014;pii:S0167-8760(14)01665-1.

Hinkelmann K, **Kuehl LK**, Wingenfeld K, Fleischer J, Roepke S, Wiedemann K, Heuser I, Otte C. Stimulation of the mineralocorticoid receptor improves visuospatial memory and working memory in young and elderly healthy individuals. *Neurobiol Aging*. Sep 2014. pii: S0197-4580(14)00603-4.

Deuter CE, Best D, **Kuehl LK**, Neumann R, Schachinger H. Effects of approach-avoidance related motor behaviour on the startle response during emotional picture processing. *Biol Psychol*. Dec 2014;103:292-6.

Zimmermann-Viehoff F, **Kuehl LK**, Danker-Hopfe H, Whooley MA, Otte C. Antidepressants, autonomic function and mortality in patients with coronary heart disease: data from the Heart and Soul Study. *Psychol Med*. Oct 2014;44(14):2975-84.

Otte C, Wingenfeld K, **Kuehl LK**, Kaczmarczyk M, Richter S, Quante A, Regen F, Bajbouj M, Zimmermann-Viehoff F, Wiedemann K, Hinkelmann K. Mineralocorticoid Receptor Stimulation Improves Cognitive Function and Decreases Cortisol Secretion in Depressed Patients and Healthy Individuals. *Neuropsychopharmacology*. Jan 2015;40(2):386-93

Wingenfeld K, **Kuehl LK**, Janke K, Hinkelmann K, Dziobek I, Fleischer J, Otte C, Roepke S. Enhanced emotional empathy after mineralocorticoid receptor stimulation in women with borderline personality disorder and healthy women. *Neuropsychopharmacology*. Jul 2014, 39(8):1799-804.

Kuffel A, Eikemann S, Terfehr K, Mau G, **Kuehl LK**, Otte C, Löwe B, Spitzer C, Wingenfeld K. Noradrenergic blockade and memory in patients with major depression and healthy participants. *Psychoneuroendocrinology*. Feb 2014;40:86-90.

Hahn E, Vollath A, Ta TT, Hahn C, **Kuehl LK**, Dettling M, Neuhaus AH. Assessing long-term test-retest reliability of the CPT-IP in schizophrenia. *PLoS One*. Jan 2014;9(1):e84780.

Deuter CE, Schilling TM, **Kuehl LK**, Blumenthal TD, Schachinger H. Startle effects on saccadic responses to emotional target stimuli. *Psychophysiology*. Jul 2013;11.

**Kuehl LK**, Brandt ES, Hahn E, Dettling M, Neuhaus AH. Exploring the time course of N170 repetition suppression: a preliminary study. *Int J Psychophysiol*. Feb 2013;87(2):183-8.

Deuter CE, **Kuehl LK**, Blumenthal TD, Schulz A, Oitzl MS, Schachinger H. Effects of cold pressor stress on the human startle response. *PLoS One*. Nov 2012;7(11):e49866.

**Kuehl LK**, Penninx BW, Otte C. Depression: risk factor for cardiovascular disease. *Nervenarzt*. Nov 2012;83(11):1379-84.

Wingenfeld K, Kuffel A, Uhlmann C, Terfehr K, Schreiner J, **Kuehl LK**, Otte C, Löwe B, Spitzer C. Effects of noradrenergic stimulation on memory in patients with major depressive disorder. *Stress*. Mar 2013;16(2):191-201.

Hahn E, Ta TM, Hahn C, **Kuehl LK**, Ruehl C, Neuhaus AH, Dettling M. Test-retest reliability of Attention Network Test measures in schizophrenia. *Schizophr Res*. Dec 2011;133(1-3):218-22.

Lass-Hennemann J, **Kuehl LK**, Schulz A, Oitzl MS, Schachinger H. Stress strengthens memory of first impressions of others' positive personality traits. *PLoS One*. Jan 2011;6(1):e16389.

**Kuehl LK**, Lass-Hennemann J, Richter S, Blumenthal TD, Oitzl M, Schachinger H. Accelerated trace eyeblink conditioning after cortisol IV-infusion. *Neurobiol Learn Mem*. Nov 2010;94(4):547-53.

Lass-Hennemann J, Deuter CE, **Kuehl LK**, Schulz A, Blumenthal TD, Schachinger H. Effect of facial self-resemblance on the startle response and subjective ratings of erotic stimuli in heterosexual men. *Arch Sex Behav*. Oct 2011;40(5):1007-14.

**Kuehl LK**, Michaux GP, Richter S, Schächinger H, Anton F. Increased basal mechanical pain sensitivity but decreased perceptual wind-up in a human model of relative hypocortisolism. *Pain*. Jun 2010;149(3):539-46.

Lass-Hennemann J, Deuter CE, **Kuehl LK**, Schulz A, Blumenthal TD, Schachinger H. Effects of stress on human mating preferences: stressed individuals prefer dissimilar mates. *Proc Biol Sci*. Jul 2010;22;277(1691):2175-83.

Nees F, Rüdell H, Mussgay L, **Kuehl LK**, Römer S, Schächinger H. Alteration of delay and trace eyeblink conditioning in fibromyalgia patients. *Psychosom Med*. May 2010;72(4):412-8.

Streff A\*, **Kuehl LK\***, Michaux G, Anton F. Differential physiological effects during tonic painful hand immersion tests using hot and ice water. *Eur J Pain*. Mar 2010;14(3):266-72.

*\*both authors contributed equally to the study*