

Dr. Karin de Punder

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Positions

Since 2021	Postdoctoral Fellow, Department of Psychology, Clinical Psychology II, University of Innsbruck, Innsbruck, Austria
2019-2020	Maternity Leave
2018-2020	Postdoctoral Fellow, Institute of Medical Psychology, Charité – Universitätsmedizin Berlin, Berlin, Germany
2014-2018	Doctoral Student/Research Assistant, Institute of Medical Psychology, Charité – Universitätsmedizin Berlin, Berlin, Germany Supervised by Prof. Dr. Sonja Entringer and Prof. Dr. Christine Heim
2008-2013	Research Technician, Division of Cell Biology II, Netherlands Cancer Institute, (NKI-AVL), Amsterdam, The Netherlands
2005-2008	Research Technician, Division of Animal Pathology, Netherlands Cancer Institute (NKI, AVL), Amsterdam, The Netherlands

Education

2014-2018	Doctoral Degree at the Institute of Medical Psychology, Charité – Universitätsmedizin Berlin, Berlin, Germany (Summa cum laude)
2010-2013	M.Sc. Degree in Clinical Psychoneuroimmunology, University of Girona, Girona, Spain
2002-2004	M.Sc. Degree in Biomedical Sciences, Leiden University, Leiden, The Netherlands
1999-2002	B.Sc. Degree in Biomedical Sciences, Leiden University, Leiden, The Netherlands

Extra Training

2025	Workshop – Introduction to Linear Structural Equation Models, University of Innsbruck, Innsbruck, Austria
2025	Online Course – University Teaching: Inclusive & Diverse, University of Vienna, Vienna, Austria
2025	Workshop – Legal Foundations for Teaching Activities, University of Innsbruck, Innsbruck Austria
2024	General Public Safety Instruction for MRI, CCNB laboratory, Freie Universität Berlin, Berlin, Germany.
2023	University Didactic Basic Qualification – University of Innsbruck, Innsbruck, Austria
2017	Workshop – Multilevel Analysis Using R, Humboldt University, Berlin, Germany
2014	Workshop – Measuring the Cortisol Diurnal Profile, Arizona State University, Phoenix, AZ, USA
2009	Course on Clinical Psychoneuroimmunology, Natura Foundation, Numansdorp, The Netherlands

Curriculum Vitae – Karin de Punder

2008	Course on Nutrition, Natura Foundation, Numansdorp, The Netherlands
2003	Course on Laboratory Animal Science (article 9), Leiden University, Leiden, The Netherlands

Languages

- Dutch – Native proficiency
- English – Full professional working proficiency
- German – Full professional working proficiency

Teaching Experience

Since 2024	Co-Supervisor – PhD Projects, University of Innsbruck, Innsbruck, Austria
Since 2021	Supervisor – Master Projects, University of Innsbruck, Innsbruck, Austria
Since 2022	Bachelor in Clinical Psychoneuroimmunology – Scientific Reasoning, Module 19, PNI Netherlands, The Hague, The Netherlands
Since 2022	Master Program in Psychology – Intergenerational Transmission of Psychiatric Disease Risk, Seminar Module 7, University of Innsbruck, Innsbruck, Austria
Since 2022	Master Program in Psychology – Scientific Methods in Psychoneuroimmunology, Seminar Module 4, University of Innsbruck, Innsbruck, Austria
Since 2021	Master in Psychology – Biological Embedding of Early Life Stress in the Context of Psychiatric Disease Risk, Seminar Module 7, University of Innsbruck, Innsbruck, Austria
2016-2019	Supervisor – Bachelor and Master Projects, Charité – Universitätsmedizin Berlin, Berlin, Germany
2018-2019	Model Curriculum Human Medicine – Early Life Programming of Disease Susceptibility, Seminar, Module 6, Charité – Universitätsmedizin Berlin, Berlin, Germany
2016-2019	Model Curriculum Human Medicine – Gene-Environment Interactions in Psychiatric Disorders, Seminar, Module 31, Charité – Universitätsmedizin Berlin, Berlin, Germany
2016-2019	Model Curriculum Human Medicine – Workshop - Measuring the Cortisol Diurnal Profile in Saliva, M07, Charité – Universitätsmedizin Berlin, Berlin, Germany
2010-2013	Workshop – In the Footsteps of Antoni van Leeuwenhoek Basic Course: Introducing the Basics of Electron Microscopy, Netherlands Cancer Institute (NKI/AVL), Amsterdam, The Netherlands

Psychobiological and Laboratory Expertise

- Psychobiological stress assessment (Trier Social Stress Test, TSST), assessment of endocrine, immune and autonomic responses
- ELISA; stress and immune markers in blood, immune cells, urine, hair and saliva
- Telomere length and telomerase activity assay
- Mitochondrial respiratory function assessment
- Fluorescence and electron microscopy
- Glucocorticoid receptor sensitivity assay

Honours and Awards

2023	Early Career Poster Award , 53 rd International Society of Psychoneuroendocrinology (ISPNE) Conference, London, UK
2019	Travel Award , 49 th International Society of Psychoneuroendocrinology (ISPNE) Conference, Milan, Italy

2018 **Excellence in Salivary Bioscience Travel Award**, 48th International Society of Psychoneuroendocrinology (ISPNE) Conference, Irvine, CA, USA

Memberships

- International Society of Psychoneuroendocrinology (ISPNE) – **Education Committee Member**
- The European Psychoneuroimmunology Network (EPN)
- German Brain-Immune Network (GEBIN)
- Deutsche Gesellschaft für klinische Psycho-Neuro-Immunologie (kPNI)

Research Interests

Enduring psychological stress exposure, particularly during sensitive developmental windows, constitutes a severe risk factor for the development and manifestation of a broad range of physical and mental disorders that severely confer a major global burden of disease. My research interests involve unravelling the biological mechanisms underlying this risk and evolved towards the identification of biomarkers of mental health problems and resilience and new targets for intervention. Currently, I am extending this research by combining psychological assessments with biological read-outs to monitor and predict therapy responsiveness and its underlying mechanisms in the context of (psycho)therapeutic interventions, to further promote treatment options for mental and stress-related physical conditions. My work focusses on the following biological mechanisms/systems:

- Neuroendocrine system
- Immune system
- Telomere biology
- Mitochondrial function
- Metabolic function
- Epigenetics

Funding

- PI of the project **PsyNeuroEndo**: "Clinical, structural and neuroendocrine changes in adolescent patients through multimodal psychodynamic psychotherapy". Project proposal submitted to the Köhler-Stiftung. Approved funding amount 48,623 €.
- Co-PI of the project entitled "The Omega-3 Index in healthy individuals and depressed patients with and without a history of adverse childhood experiences" in collaboration with Prof. Dr. Linn Kuehl, MSB Medical School Berlin, Germany. Funding approved by the MSB Medical School Berlin: 3,150 €.
- Co-Investigator (PI Christine Heim) of the NeuroCure Innovation Projects funded project entitled "Validation of a measure of in-vitro stimulated telomerase expression as a stress-related biomarker for human studies". Approved funding amount :18,740 €.

Relevant Original and Review Articles

Complete bibliography: [My Bibliography - NCBI \(nih.gov\)](#)

Impact

- Citations – 3,005
- h-index – 23

1. **de Punder K**, Entringer S, Martens DS, Karabatsiakakis A, Kipkag B, Heim C, Deuter CE, Otte C, Wingenfeld K, Kuehl LK. Whole blood mitochondrial DNA copy numbers in depressed patients with and without a history of adverse childhood experiences: The role of blood cell composition. *Under review*.
2. Eilert DW, **de Punder K**, Maerz J, Dose J, Gander M, Mensah P, Neubrand S, Hinterhölzl J, Buchheim A. Impathy and Emotion Recognition: How Attachment Shapes Self- and Other-Focused Emotion Processing. *Brain Sciences*. 2025;15(5):516. doi:10.3390/brainsci15050516
3. Dose J, **de Punder K**, Maerz J, Schurz M, Karabatsiakakis K, Labek K, Hinterhölzl J, Buchheim A. Level of Personality Functioning in adolescence: Psychological and biological aspects in the context of diagnosis and therapy. Published online 2025.
4. **de Punder K**, Salinas-Manrique J, Dietrich DE, Karabatsiakakis A. Serum Levels of the Steroid Hormone Dehydroepiandrosterone Are Associated with Psychological Trauma and Lymphocyte Telomere Integrity in Women Suffering from Depression. *Neuroimmunomodulation*. 2024;31(1):114-124. doi:10.1159/000538893
5. Schaper SJ, Wölk E, Hofmann T, Friedrich T, Römer M, **de Punder K**, Rose M, Stengel A. NUCB2/nesfatin-1 in the acute stress response of obese women with high and low anxiety. *Psychoneuroendocrinology*. 2023;155:106325. doi:10.1016/j.psyneuen.2023.106325
6. Joseph J, Buss C, Knop A, **de Punder K**, Winter SM, Spors B, Binder E, Haynes JD, Heim C. Greater maltreatment severity is associated with smaller brain volume with implication for intellectual ability in young children. *Neurobiol Stress*. 2023;27:100576. doi:10.1016/j.ynstr.2023.100576
7. **de Punder K**, Heim C, Martens DS, Wadhwa PD, Entringer S. Maximal telomerase activity capacity (mTAC) underlies the link between the cortisol response to stress and telomere length. *Psychoneuroendocrinology*. 2023;153:106120. doi:10.1016/j.psyneuen.2023.106120
8. Kuehl LK, **de Punder K**, Deuter CE, Martens DS, Heim C, Otte C, Wingenfeld K, Entringer S. Telomere length in individuals with and without major depression and adverse childhood experiences. *Psychoneuroendocrinology*. 2022;142:105762. doi:10.1016/j.psyneuen.2022.105762
9. Kleih TS, Entringer S, Scholaske L, Kathmann N, **de Punder K**, Heim CM, Wadhwa PD, Buss C. Exposure to childhood maltreatment and systemic inflammation across pregnancy: The moderating role of depressive symptomatology. *Brain Behav Immun*. 2022;101:397-409. doi:10.1016/j.bbi.2022.02.004
10. Karabatsiakakis A, **de Punder K**, Salinas-Manrique J, Todt M, Dietrich DE. Hair cortisol level might be indicative for a 3PM approach towards suicide risk assessment in depression: comparative analysis of mentally stable and depressed individuals versus individuals after completing suicide. *EPMA J*. 2022;13(3):383-395. doi:10.1007/s13167-022-00296-z
11. Karabatsiakakis A, **de Punder K**, Doyen-Waldecker C, Ramo-Fernández L, Krause S, Gump AM, Bach AM, Fegert JM, Kolassa IT, Gündel H, Ziegenhain U, Buchheim A. Reactivity of the Oxytocinergic and Neuroendocrine System Following the Adult Attachment Projective Picture System in Men of Recent Fatherhood: Results from an Exploratory Pilot Study with a Cross-Sectional Design. *Brain Sci*. 2022;12(10):1314. doi:10.3390/brainsci12101314
12. Martins J, Czamara D, Sauer S, Rex-Haffner M, Dittrich K, Dörr P, **de Punder K**, Overfeld J, Knop A, Dammering F, Entringer S, Winter SM, Buss C, Heim C, Binder EB. Childhood adversity correlates with stable changes in DNA methylation trajectories in children and converges with epigenetic signatures of prenatal stress. *Neurobiol Stress*. 2021;15:100336. doi:10.1016/j.ynstr.2021.100336

13. Demeulemeester F, **de Punder K**, van Heijningen M, van Doesburg F. Obesity as a Risk Factor for Severe COVID-19 and Complications: A Review. *Cells*. 2021;10(4):933. doi:10.3390/cells10040933
14. Dammering F, Martins J, Dittrich K, Czamara D, Rex-Haffner M, Overfeld J, **de Punder K**, Buss C, Entringer S, Winter SM, Binder EB, Heim C. The pediatric buccal epigenetic clock identifies significant ageing acceleration in children with internalizing disorder and maltreatment exposure. *Neurobiol Stress*. 2021;15:100394. doi:10.1016/j.ynstr.2021.100394
15. Entringer S*, **de Punder K***, Overfeld J, Karaboycheva G, Dittrich K, Buss C, Winter SM, Binder EB, Heim C. Immediate and longitudinal effects of maltreatment on systemic inflammation in young children. *Dev Psychopathol*. 2020;32(5):1725-1731. doi:10.1017/S0954579420001686. *Both authors contributed equally to this work.
16. **de Punder K**, Heim C, Wadhwa PD, Entringer S. Stress and immunosenescence: The role of telomerase. *Psychoneuroendocrinology*. 2019;101:87-100. doi:10.1016/j.psyneuen.2018.10.019
17. **de Punder K**, Heim C, Entringer S. Association between chronotype and body mass index: The role of C-reactive protein and the cortisol response to stress. *Psychoneuroendocrinology*. 2019;109:104388. doi:10.1016/j.psyneuen.2019.104388
18. Entringer S, **de Punder K**, Buss C, Wadhwa PD. The fetal programming of telomere biology hypothesis: an update. *Philos Trans R Soc Lond B Biol Sci*. 2018;373(1741):20170151. doi:10.1098/rstb.2017.0151
19. **de Punder K**, Heim C, Przesdzin I, Wadhwa PD, Entringer S. Characterization in humans of in vitro leucocyte maximal telomerase activity capacity and association with stress. *Philos Trans R Soc Lond B Biol Sci*. 2018;373(1741):20160441. doi:10.1098/rstb.2016.0441
20. **de Punder K**, Entringer S, Heim C, Deuter CE, Otte C, Wingefeld K, Kuehl LK. Inflammatory Measures in Depressed Patients With and Without a History of Adverse Childhood Experiences. *Front Psychiatry*. 2018;9:610. doi:10.3389/fpsy.2018.00610
21. Farin HF, Jordens I, Mosa MH, Basak O, Korving J, Tauriello DVF, **de Punder K**, Angers S, Peters PJ, Maurice MM, Clevers H. Visualization of a short-range Wnt gradient in the intestinal stem-cell niche. *Nature*. 2016;530(7590):340-343. doi:10.1038/nature16937

Book Chapters

1. Entringer S, Lazarides C, **de Punder K**, Epel ES. Stress und Telomerbiologie. *Psychosomatik - neurobiologisch fundiert und evidenzbasiert: Ein Lehr- und Handbuch*, pp. 125-131. 2024, Kohlhammer. doi: 10.17433/978-3-17-041385-6
2. **de Punder K**, Karabatsiakos A. Chapter 7 - Age-related disease: Immune system. In: Fossel M, ed. *Aging*. Academic Press; 2024:119-145. doi:10.1016/B978-0-443-15500-0.00004-9
3. Entringer S, **de Punder K**, Verner G, Wadhwa PD. Fetal Programming of Telomere Biology: Role of Maternal Nutrition, Obstetric Risk Factors, and Suboptimal Birth Outcomes. In: Rajendram R, Preedy VR, Patel VB, eds. *Diet, Nutrition, and Fetal Programming*. Springer International Publishing; 2017:569-593. doi:10.1007/978-3-319-60289-9_41

Non-Peer-Reviewed Articles

1. **de Punder K**, Buchheim A, Karabatsiakos A. Neuroendokrine und immunologische Veränderungen bei der Borderline-Persönlichkeitsstörung. *PTT - Persönlichkeitsstörungen: Theorie und Therapie*. 2023;27(4):340-359.

Invited Lectures

1. Early life stress-induced accelerated biological aging as a risk factor for disease susceptibility over the lifespan. *Workshop Systems Thinking about Chronic Illness: Scientific Controversies and Gatekeeping*. University of Innsbruck, Faculty of Catholic Theology, Innsbruck, Austria, July 2025.
2. Results of the Innsbruck Study Mito-ECT: Investigation of the longitudinal effects of electroconvulsive therapy on clinical, mitochondrial and immunological factors in patients with major depressive disorder. *Training course at the University Clinics for Psychiatry*, Medical University of Innsbruck, December 2024.
3. Psychoneuroimmunology of Stress and Health. *Seminar Stiftung für Gesundheit und Umwelt (SfGU)*, Zurich, Switzerland, March 2024.
4. Stress über die Lebensspanne und Telomerbiologie. *1. Kongress kPNI Swiss*, Zürich, Swiss, November 2023.
5. Stress exposure and telomere biology over the life span. *European Psychoneuroimmunology Network (EPN) Lunch Seminar*, Virtual, June 2023.
6. Psychoneuroimmunology and Prenatal Programming. *Psychoneuroimmunology Autumn School*, University Witten/Herdecke, Witten, Germany, November 2017.

Conference Oral Presentations

1. Stress und Alterung: eine biologische Grundlage von Trauma und Depressionssymptomatik? *Deutscher Kongress für Psychosomatische Medizin und Psychotherapie*. Berlin, Germany, March 2025.
2. Metabolite fingerprinting of blood serum reveals glyceraldehyde as a biomarker candidate of lymphocyte telomere length in depression. *International Society of Psychoneuroendocrinology (ISPNE) Virtual Conference*, September 2024.
3. Maternal behavioral health during pregnancy and newborn telomere length. *International Society of Psychoneuroendocrinology (ISPNE) Virtual Conference*, September 2024.
4. Maternal Mediterranean diet adherence during pregnancy and newborn telomere length. *Annual Conference International Society of Psychoneuroendocrinology (ISPNE)*, London, UK, September 2023.
5. Intergenerational transmission of maternal childhood maltreatment: DNA methylation pattern of the dopamine receptor D2 gene in mother-child dyads and associations with child developmental outcomes. *The 18th World Association for Infant Mental Health (WAIMH) World Congress*, Dublin, Ireland, July 2023.
6. The steroid hormone dehydroepiandrosterone (DHEA) counteracts the consequences of psychological trauma on immunocellular aging. *Kongress der Deutsche Gesellschaft für Psychiatrie und Psychotherapie, Psychosomatik und Nervenheilkunde (DGPPN)*, Berlin, Germany, November 2022.
7. The steroid hormone dehydroepiandrosterone (DHEA) counteracts the consequences of psychological trauma on immunocellular ageing and mitochondrial bioenergetics. *German Endocrine Brain Immune Network (GEBIN) Meeting*, Virtual, March 2022.
8. Stress and immunosenescence: the role of telomerase. *Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE)*, Milan, Italy, September 2019.
9. Stress and cellular aging-related processes. *Jahrestagung Psychologie und Gehirn (PuG)*, Dresden, Germany, June 2019.

10. C-reactive protein levels in children aged 3-5 years with verified exposure to maltreatment: Sex differences and association with depression. *German Endocrine Brain Immune Network (GEBIN) Meeting/Annual Conference of the Psychoneuroimmunology Research Society (PNIRS)*, Berlin, Germany, June 2019.
11. Maximal telomerase activity capacity (mTAC) mediates the effect of the cortisol stress response on leukocyte telomere length. *German Endocrine Brain Immune Network (GEBIN) Meeting/Annual Conference of the Psychoneuroimmunology Research Society (PNIRS)*, Berlin, Germany, June 2019.
12. Erhöhte C-reaktive Protein Spiegel in 3-5 jährigen Kindern mit frühkindlicher Misshandlung: Geschlechterunterschiede und Zusammenhang mit depressiven Symptomen. *Kongress der Deutsche Gesellschaft für Psychiatrie und Psychotherapie, Psychosomatik und Nervenheilkunde (DGPPN)*, Berlin, Germany, November 2018.
13. Characterization of *in vitro* leukocyte maximal telomerase activity capacity (mTAC) as a stress-related measure for human studies. *Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE)*, Zurich, Switzerland, September 2017.
14. Frühkindliche Misshandlung ist assoziiert mit erhöhten Konzentrationen an Cortisol und C-reaktivem Protein im Alter von 3-5 Jahren. *Kongress der Deutschen Gesellschaft für Kinder- und Jugendpsychiatrie, Psychosomatik und Psychotherapie (DGKJP)*, Ulm, Germany, March 2017.
15. *In vitro* stimulated leukocyte telomerase activity is associated with chronic stress exposure. *Jahrestagung der Deutschen Gesellschaft für Medizinische Soziologie (DGMS) und der Deutschen Gesellschaft für Medizinische Psychologie (DGMP)*, Berlin, Germany, September 2016.

Selected Conference Poster Presentations

1. Veil M, Buchheim, A, Dose J, Maerz, J, Hinterhölzl, J, **de Punder K**. Associations between personality structure and organization, mentalization and the inflammatory biomarker Interleukin-6 in adolescent patients with personality disorders. *PScience day of the University of Innsbruck*, Innsbruck, Austria, June 2025.
2. Hoellbacher, T, Doering, S, Fiala-Baumann, B, **de Punder K**. Association of the treatment response to guided imagery Psychotherapy with changes in DNA methylation of stress-related genes. *Internationaler Kongress für Angewandte Tiefenpsychologie*, Wien, Austria, January 2025.
3. Karabatsiakakis, A, **de Punder, K**, Bondy, L, Salinas-Manrique, J, Dietrich, DE. Proteomics fingerprinting on hair identifies mitochondrial proteins that correlate with mitochondrial bioenergetics in immune cells. *International Society of Psychoneuroendocrinology (ISPNE) Virtual Conference*, September 2024.
4. Karabatsiakakis A., **de Punder K**, Scholkmamm, F, Toscano, L, Guenova, E, Holper, L. Comparative Analysis of Temperature Effects on Mitochondrial Bioenergetics in Peripheral Blood Mononuclear Cells of Individuals with and without Depression. *16th World Federation of Societies of Biological Psychiatry (WFSBP)*, Istanbul, Turkey, June 2024.
5. **de Punder K**, Laurin Mauracher, Eberhard A. Deisenhammer, Alexander Karabatsiakakis. Longitudinal investigation of the effects of electroconvulsive therapy on mitochondrial bioenergetics in immune cells from treatment resistant patients with major depressive disorder. *23rd WPA World Congress of Psychiatry*, Vienna, Austria, September 2023.
6. **de Punder K**, Karabatsiakakis A, Martens DS, Heim C, Entringer S. Early life stress and perceived chronic stress are associated with increased immune cell mitochondrial DNA copy number in healthy individuals. *Bioblast 2022: BEC Inaugural Conference*, Innsbruck, Austria, July 2022.

7. **de Punder K**, Heim C, Entringer S. Association between chronotype and body mass index: The role of C-reactive protein and the cortisol response to stress. *Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE)*, Irvine, California, USA, September 2018.
8. **de Punder K**, Entringer S, Heim C, Otte C, Wingenfeld K, Kuehl LK. Increased interleukin-6 levels in patients with major depression exposed to childhood adversity. *Annual Meeting of the Society of Biological Psychiatry (SOBP)*, New York, USA, May 2018.
9. **de Punder K**, Overfeld J, Dörr P, Dittrich K, Winter SM, Kubiak N, Karaboycheva G, Heim C. Maltreatment is associated with elevated cortisol and C-reactive protein concentrations in 3 to 5 year-old children. *World Congress of Psychiatry*, Berlin, Germany, October 2017.
10. **de Punder K**, Heim C, Wadhwa PD, Entringer S. Characterization of *in vitro* leukocyte maximal telomerase activity capacity (mTAC) in humans: Association with chronic stress exposure and stress-reactivity. *Annual conference of the Psychoneuroimmunology Research Society (PNIRS)*, Galveston, Texas, USA, June 2017.
11. **de Punder K**, Overfeld J, Dörr P, Dittrich K, Winter SM, Kubiak N, Karaboycheva G, Heim C. Exposure to child maltreatment is associated with elevated stress and immune mediators in children aged 3–5 years. *Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE)*, Miami, Florida, USA, September 2016.
12. **de Punder K**, Heim C, Entringer S. Plasma levels of lipopolysaccharide-binding protein in response to psychosocial stress induction: Association with sympathetic nervous system response. *Annual Conference of the Psychoneuroimmunology Research Society (PNIRS)*, Brighton, UK, June 2016.
13. **de Punder K**, Heim C, Entringer S. Validation of a measure of in-vitro stimulated telomerase expression as a stress-related biomarker for human studies. *Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE)*, Edinburgh, Scotland, September 2015.

Conference Symposia

- **de Punder K**, Karabatsiakakis A. Stress Health and Mitochondria. Accepted for the *Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE)*, New Orleans, LA, USA, September 2025.
- Walther A, **de Punder K**. From stressed cells to failed cognition. *Jahrestagung Psychologie und Gehirn (PuG)*, Dresden, Germany, June 2019.

Manuscript Reviews

- *Psychoneuroendocrinology*
- *Comprehensive Psychoneuroendocrinology*
- *Scientific reports*
- *eBioMedicine*
- *Psychosomatic Medicine*
- *Journal of the Royal Society Interface*
- *Neurobiology of Stress*
- *Restorative Neurology and Neuroscience*
- *PLOS ONE*
- *Stress*
- *Journal of Neural Transmission*
- *Behavioural Brain Research*
- *Stress and Health*

PhD Supervision

1. Co-Supervisor, Johanna Döse: Clinical, structural and neuroendocrine changes in adolescent patients through multimodal psychodynamic psychotherapy (2024, ongoing).

Master Theses Supervision

1. Michelle Veil: Correlations between personality structure, personality organization, mentalization, and inflammatory biomarkers in the context of TFP-based treatment for adolescent patients with impaired personality function (2025, ongoing).
2. Georg Lauscher: Aversive Kindheitsbelastungen als möglicher Prädiktor des Ansprechens auf die Behandlung einer Major Depression Disorder via Elektrokonvulsionstherapie (2025, ongoing).
3. Angela Lingenhöl: Den Sprung wagen: Zusammenhänge zwischen ADHS und Risikosportarten und der biologischen Reaktion auf Stress (2025, ongoing).
4. Miriam König: Cortisol Reaktivität ausgelöst durch das Adult Attachment Projective Picture System in PatientInnen mit eingeschränkter Persönlichkeitsfunktion (2025, ongoing).
5. Elisabeth Bügler: Psychometric properties of the German version of the Level of Personality Functioning Scale – Self report (Skala zur Erfassung des Funktionsniveaus der Persönlichkeit, SEFP) (2025, ongoing).
6. Franziska Lenz: Achtsamkeitsintervention zur Verbesserung der Paarbeziehungsqualität (2025, ongoing).
7. Niklas Speckle: Maternal sleep duration and quality during pregnancy and newborn telomere length: A prospective study with objective and subjective sleep measures (completed 2025).
8. Simon Limmer: Selbstbeurteilte Mentalisierungsfähigkeit im Zusammenhang mit psychischer Symptombelastung, Persönlichkeitsorganisation und negativen Kindheitserfahrungen bei jungen Erwachsenen mit eingeschränkter Persönlichkeitsfunktion und einer gesunden Kontrollstichprobe (completed 2025).
9. Tobias Höllbacher: Relationship between treatment response to catathymic imaginative psychotherapy and changes in DNA methylation of stress-related genes (2023, ongoing).
10. Nina Beckerle: Interaction effect of maternal depressive symptoms and child oxytocin receptor rs53576 genotype on child psychological symptom development (completed 2024).
11. Simon Mott: Stress und Resilienz bei Kindern eines Slums in der kenianischen Hauptstadt Nairobi (completed 2023).
12. Anna-Verena Löffler: Leukocyte telomere length in women with and without a comorbid diagnosis of attention-deficit/ hyperactivity disorder and borderline personality disorder (completed 2023).
13. Viola Just: Testing the association of serum lipid profiles and telomere length in peripheral blood mononuclear cells in women with and without depression (completed 2024).
14. Amelie Katinka Hildenbrand: Testing the association between blood serum metabolites and telomere length in peripheral blood mononuclear cells and T cell subsets in women with and without a major depression disorder (completed 2023).
15. Leonard Martin Schneeberger: Sport climbing as a stress reduction measure: a study to investigate the relationship between subjective stress perception and cortisol in non-invasively collected hair samples (completed 2023).

16. Till Herzog: Associations of maternal childhood maltreatment with epigenetic regulation of the neuropeptide Y gene in immune cells: an intergenerational approach (completed 2024).
 17. Denise Kager: Associations of maternal childhood abuse experiences with DNA methylation of the corticotropin-releasing hormone receptor 2 gene in mother-child dyads (2022, ongoing).
 18. Katharina Thaler: Intergenerational associations of maternal childhood maltreatment with DNA methylation of the dopamine receptor 2 gene in immune cells (completed 2023).
 19. Franziska Gugger: Ketamine-assisted Hypnotherapy: A review on the current status of clinical ketamine & hypnotherapy research (completed 2023).
 20. Cosima Franziska Marterer: The influence of childhood maltreatment and the need to seek medical care to become pregnant: the role of attachment style and steroid hormones (completed 2023).
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