

Alexander, Nina, Professor Dr. rer. nat. (Ph.D.), Dipl.-Psych.

Personal information

Date of birth	14.12.1980
Children	1, *23.10.2020 (parental leave from 09/20-08/21)
Institute	Department of Psychiatry and Psychotherapy, Philipps-Universität Marburg, Germany
E-Mail	nina.alexander@uni-marburg.de
Position	Professor of Translational Psychiatry

Scientific Education

2016	Habilitation (venia legendi) in Psychology, Technische Universität Dresden, Germany; title of habilitation thesis: Genetic, epigenetic and environmental contributions to individual differences in stress sensitivity.
2010	Doctorate (Dr. rer. nat.) „summa cum laude“, Justus-Liebig Universität Gießen; title of doctoral thesis: <i>Genetic and environmental predictors of endocrine stress reactivity</i>
2007	Diploma (M.A. equivalent) in Psychology, University of Giessen, Germany; title of diploma thesis: <i>The association between the serotonin transporter polymorphism, central serotonergic availability and stress reactivity.</i>

Academic Position

Since 09/21	Full Professor of Translational Psychiatry, Department of Psychiatry and Psychotherapy, Philipps-Universität Marburg, Germany
10/16-09/21	Full Professor of Personality Psychology and Individual Differences, MSH Medical School Hamburg, Germany
08/14-10/14	Visiting Scientist, Northwestern University, Evanston, USA, Life Span Development Lab (Prof. Dr. Claudia Haase)
08/12-10/12	Visiting Scientist at Stony Brook University, New York, USA (Prof. Dr. Turhan Canli)
08/10-10/16	Postdoctoral Researcher, Technische Universität Dresden, Germany, Department of Psychology, Section Biological Psychology (Prof. Dr. Clemens Kirschbaum)
05/07-07/10	Research Assistant (Ph.D. student), Justus-Liebig Universität Gießen, Germany, Department of Psychology Personality (Prof. Dr. Dr. Jürgen Hennig)
09/05-12/05	Research Intern, Emory University, Department of Behavioral Genetics, Atlanta, USA (Prof. Dr. Charles Nemeroff, Prof. Dr. Elisabeth Binder)

Funding

12/2021	Research Grant (DFG): Epigenetic trajectories in early childhood following perinatal parental stress – insights from the DREAM study (AL 1484/8-1). Role: Principal Investigator with Prof. Dr. Susan Garthus-Niegel, Dr. Susann Schmiedgen
01/2021	Intramural funding (MSH Medical School Hamburg): Construction and validation of a new stress sensitivity questionnaire based on biological measures. Role: Principal Investigator

- 12/2019 Research Grant (Landesforschungsförderung Hamburg): Veränderungsmechanismen in Dynamischen Sozialen Interaktionen; subproject 3: Differentialpsychologische Ontogenese zwischenmenschlicher Interaktion.
Role: Principal Investigator subproject 3, with Prof. Dr. Ulf Liszkowski, Prof. Dr. Jan Wacker
- 09/2019 Research Grant (DFG): Psychological and biological risk factors of burnout – Investigating epigenetic risk scores to understand the mechanistic pathways from work-related stress to burnout (AL 1484/6-1).
Role: Principal Investigator with Prof. Dr. Clemens Kirschbaum, Dr. Robert Miller
- 04/2019 Research Grant (BMBF): Research collaborations on behavioral disorders related to violence, neglect, maltreatment, and abuse in childhood and adolescence; subproject 6: Validation and meta-analyses of objective biomarkers following early adversity and intervention.
Role: Principal Investigator with Prof. Dr. Sabine Herpertz, Prof. Dr. Iris-Tatjana Kolassa, Prof. Dr. Robert Kumsta
- 12/2018 Research Grant (BMBF): AMIS-II- Analyzing developmental pathways from child maltreatment to internalizing symptoms and disorders- from longitudinal courses to intervention; subproject 4: Epigenetic trajectories following maltreatment and intervention in childhood (0 1 K R 1 8 0 2 C).
Role: Principal Investigator subproject 4
- 10/2017 Brain & Behavior Research Foundation NARSAD Young Investigator Grant: Emotion, Mental Health, and the Epigenetic Clock in High-Risk Caregivers.
Role: Consultant (PI: Prof. Dr. Haase)
- 06/2014 Research Grant (DFG): Long-term effects of prenatal synthetic glucocorticoid exposure on psychosocial stress reactivity and volitional control in children and adolescents (AL 1484/5-1).
Role: Principal Investigator with Prof. Dr. Clemens Kirschbaum and Prof. Dr. Shu-Chen Li
- 06/2012 Intramural funding (Technische Universität Dresden): Epigenetic contributions to neural correlates of stress sensitivity.
Role: Principal Investigator with Prof. Dr. Markus Mühlhan
- 03/2012 Research Grant (DFG): Gene-environment interaction in the context of stress hormone regulation: the role of epigenetic mechanisms (AL 1484/2-1).
Role: Principal Investigator
- 05/2007 Postgraduate scholarship (DFG) of the graduate school “Neuronal Representation and Action Control”, 3 years (AL 1484/2-1)

Awards and Scholarships

- 01/2015 Excellence in teaching award (Karl und Charlotte Bühler Preis), Technische Universität Dresden
- 01/2015 Travel Award (Graduate Academy of the Technische Universität Dresden) for the attendance of the International Convention of Psychological Science, Amsterdam, Netherlands
- 05/2014 Travel award (Northwestern University, Evanston, USA) for a research visit at the Life Span Development Lab (Prof. Dr. Claudia Haase)
- 05/2013 Excellence in teaching award (Karl und Charlotte Bühler Preis), Technische Universität Dresden

04/2013	Travel award (Volkswagen Foundation Stiftung) for the attendance of the „Mental Health throughout the Life Span Conference“, Hannover, Germany
10/2012	Excellence in teaching award (Karl und Charlotte Bühler Preis), Technische Universität Dresden
04/2012	Travel Award (G.A. Lienert-Stiftung) for a research visit at at Stony Brook University, New York, USA (Prof. Dr. Turhan Canli)
03/2012	Excellence in teaching award (Karl und Charlotte Bühler Preis), Technische Universität Dresden
03/2012	Travel award for the attendance of the 18th Annual Meeting of the Organization for Human Brain Mapping Beijing, China
03/2011	Travel award for the attendance of the spring school „Genes, Brain, and Behavior: From Personality to Psychopathology“, StGoar, Germany
06/2010	Postdoctoral scholarship (Justus-Liebig Universität Gießen)
03/2010	Travel award for the attendance of the spring school “From vulnerability to resilience: Molecular genetic perspectives”, Dresden, Deutschland
03/2009	Travel award for the attendance of the spring school “The ABC of Stress: Biopsychological Assessment, Basics and Consequences” of the German Association for Psychophysiology and its Application (DGPA), Dresden, Germany
09/2005	Travel award (German Academic Scholarship Foundation) for a research internship at Emory University, Department of Behavioral Genetics, Atlanta, USA (Prof. Dr. Charles Nemeroff, Prof. Dr. Elisabeth Binder)
08/2004- 03/2007	Scholarship award for outstanding students (German Academic Scholarship Foundation; Studienstiftung des Deutschen Volkes)

Other Scientific Activities and Professional Services

Since 2022	Reviewer for the Accreditation Agency in Health and Social Sciences (AHPGS)
Since 2021	Editorial Board Member Psychoneuroendocrinology & Comprehensive Psychoneuroendocrinology
Since 2021	Editorial Board Member Psychiatric Research
Since 2021	Mentor in the “ProProfessur” program (“Mentoring Hessen”) to advance the scientific careers of women
2008- present	Ad-hoc Reviewer for more than 35 journals, such as: Molecular Psychiatry, Biological Psychiatry, Translational Psychiatry, Psychoneuroendocrinology, Neuropsychobiology, Journal of Psychiatric Research, Psychopharmacology, Journal of Traumatic Stress, PLOS ONE, Journal of Neuroscience, Journal of Child Psychology and Psychiatry, Psychological Medicine, Cognitive and Behavioral Neurology, Journal of Neural Transmission, Psychological Reports, Perceptual & Motor Skills, Journal of Individual Differences, Stress, European Journal of Endocrinology, Journal of Affective Disorders, American Journal of Human Biology, Biological Psychology, Child Development, Journal of Obesity, Psychiatry Research Neuroimaging, Hormones and Behavior, Frontiers Psychiatry, Journal of Abnormal Psychology, Neurobiology of Stress, Kindheit und Entwicklung

2013-present Research Grant Reviewer for several funding agencies, such as German Research Foundation, Austrian Science Fund, Netherlands Organisation for Scientific Research, *Fonds zur Förderung der wissenschaftlichen Forschung*, Agence nationale de la recherche, Swiss National Science Foundation, German Academic Scholarship Foundation

Memberships

German Psychological Society (DGPs), Expert Group: Biological Psychology and Neuropsychology
German Psychological Society (DGPs), Expert Group: Personality Psychology and Psychological Diagnostics
German Association of University Professors and Lecturers

Publications (peer-reviewed)

- [54] Alexander, N., Illius, S., Feyerabend, D., Wacker, J., Liskowski, U. (accepted). Don't miss the chance to reap the fruits of recent advances in behavioral genetics. *Behavioral and Brain Sciences* [21.36]
- [53] Bergunde, L. Garthus-Niegel, S., Alexander, N., Steudte-Schmiedgen, S. (2022). Perinatal mental health research: Towards an integrative biopsychosocial approach. *Journal of Reproductive and Infant Psychology*, 40:325-32. [IF: 2.48]
- [52] Müller, A., Moser, D., Frach, L., Wimberger, P., Nitzsche, K., Li, S.C., Kirschbaum, C. Alexander, N. (2022). No Long-Term Effects of Antenatal Synthetic Glucocorticoid Exposure on Epigenetic Regulation of Stress-Related Genes. *Translational Psychiatry*, 12:62. [IF: 6.22]
- [51] Spindler, C., Mallien, L., Traumann, S., Alexander, N., Muehlhan, M. (2022). Coordinate-based meta-analysis of white matter alterations in patients with alcohol use disorder. *Translational Psychiatry*, 12:40. [IF: 6.22]
- [50] Kang, K., Alexander, N., Wessel, J., Wimberger, P., Nitzsche, K., Kirschbaum, C., Li, S.C. (2021). Neurocognitive development of novelty and error monitoring in children and adolescents. *Scientific Reports* 11:19844. [IF: 3.99]
- [49] Spindler, C., Trautmann, S., Alexander, N., Bröning, S., Bartscher, S., Stuppe, M., Mühlhan, M. (2021). Meta-analysis of grey matter changes and their behavioral characterization in patients with Alcohol Use Disorder. *Scientific Reports*, 11:5238. [IF: 3.99]
- [48] Munk, A., Schmidt, N., Alexander, N., Henkel, K., Hennig, J. (2020). Covid-19 – beyond virology: Potentials for maintaining mental health during lock down. *PLoS One*, 15(8): e0236688. [IF: 2.78]
- [47] Alexander, N., Kirschbaum, C. Stalder, T., Muehlhan, M., Vogel, S. (2020). No association of *FKBP5* gene methylation with acute and long-term cortisol output. *Translational Psychiatry*, 10:175 [IF: 5.18]
- [46] Muehlhan, M., Alexander, N., Trautmann, S., Weckesser, L., Vogel, S., Kirschbaum, C., Miller, R. (2020). Cortisol secretion predicts functional large-scale connectivity of the visual cortex: A data-driven Multivoxel Pattern Analysis (MVPA). *Psychoneuroendocrinology*, 117:104695 [IF: 4.01]

- [45] Muehlhan, M., Miller, R., Strehle, J., Smolka, M., **Alexander, N.** (2020). *FKBP5* Methylation Predicts Functional Network Architecture of the Rostral Anterior Cingulate Cortex. *Brain Structure and Function*. 225:33–43. [IF: 3.62]
- [44] Boehm, I., Walton, E., **Alexander, N.**, Batury, V.L., Seidel, M., Geisler, D., King, J.A., Weidner, K., Roessner, V., Ehrlich, S. (2019). Serotonin transporter DNA methylation is linked to increased salience network connectivity in anorexia nervosa. *The Journal of Psychiatry & Neuroscience*. 5;45. [IF: 4.89]
- [43] Ilg, L., Kirschbaum, C., Li, S.C., Wimberger, P., Nitzsche, K., Rosenlöcher, F., **Alexander, N.** (2019). No Association of Antenatal Synthetic Glucocorticoid Exposure on Long-Term Hair Steroid Levels in Children and Adolescents. *The Journal of Clinical Endocrinology & Metabolism*, 105: e575–e582. [IF: 5.61]
- [42] Stoffel, M., Aguilar-Raab, C., Rahn, S., Steinhilber, B., Witt, S., **Alexander, N.**, Ditzen, B. (2019). Effects of a Mindfulness-Based Intervention on Serotonin Transporter Gene Methylation. *Psychotherapy and Psychosomatics*. 88:317–319. [IF: 13.74]
- [41] **Alexander, N.**, Illius, S., Stalder, T., Wankerl, M., Muehlhan, M., Kirschbaum, C. (2019). Serotonin transporter gene methylation predicts long-term cortisol concentrations in hair. *Psychoneuroendocrinology*. 106:179-182. [IF: 4.73]
- [40] Alexander, N., Kirschbaum, C., Wankerl, M., Stauch, B.J., Stalder, T., Steudte-Schmiedgen, S., Muehlhan, M., Miller, R. (2018). Glucocorticoid receptor gene methylation moderates the association of childhood trauma and cortisol stress reactivity. *Psychoneuroendocrinology*, 90:68-75. [IF: 4.73]
- [39] Ilg, L., Kirschbaum, C., Li, S.C., Rosenlöcher, F., Miller, R., Alexander, N. (2018). Persistent Effects of Antenatal Synthetic Glucocorticoids on Endocrine Stress Reactivity from Childhood to Adolescence. *The Journal of Clinical Endocrinology & Metabolism*, 104:827-834. [IF: 5.79]
- [38] Ilg, L., Klados, M., **Alexander, N.**, Kirschbaum, C., Li, S.C. (2018). Long-term impacts of prenatal synthetic glucocorticoids exposure on functional brain correlates of cognitive monitoring in adolescence. *Scientific Reports*. 16; 8:7715 [IF: 4.12]
- [37] Miller, R., Wojtyniak, J.G., Weckesser, L., **Alexander, N.** Engert, V., Lehr, T. (2017). How to disentangle psychobiological stress reactivity and recovery: A comparison of model-based and non-compartmental analyses of cortisol concentrations. *Psychoneuroendocrinology*, 90:194-210. [IF: 4.73]
- [36] Stalder, T., Steudte-Schmiedgen, S., **Alexander, N.**, Vater, A., Wichmann, S., Kirschbaum, C., Miller, R. (2017). Reply to the commentary by Parrot and Downey, *Psychoneuroendocrinology*, 81:160. [IF: 4.73]
- [35] Stalder, T., Steudte-Schmiedgen, S., **Alexander, N.**, Vater, A., Wichmann, S., Kirschbaum, C., Miller, R. (2017). Stress-related and basic determinants of hair cortisol in humans: a meta-analysis. *Psychoneuroendocrinology*, 77:261-274. [IF: 4.73]
- [34] Steudte-Schmiedgen, S., Kirschbaum, C., **Alexander, N.**, Stalder, T. (2016). An integrative model linking traumatization, cortisol dysregulation and posttraumatic stress disorder: insight from recent hair cortisol findings. *Neuroscience & Biobehavioral Reviews*, 69:124-35. [IF: 8.30]
- [33] Weckesser, L., **Alexander, N.**, Kirschbaum, C., Mennigen, E., Miller, R. (2016). Hydrocortisone Counteracts Adverse Stress Effects on Dual-Task Performance by Improving Visual Sensory Processes. *Journal of Cognitive Neuroscience*, 28:1784-1803. [IF: 3.11]
- [32] **Alexander, N.**, Rosenlöcher, F., Dettenborn-Betz, L., Stalder, T., Linke, J., Distler, W., Morgner, J., Kliegel, M., Kirschbaum, C. (2016). Impact of antenatal synthetic glucocorticoid treatment and risk of

preterm delivery on general cognitive functioning in term-born children. *The Journal of Clinical Endocrinology & Metabolism*, 101: 581–589. [IF: 5.46]

- [31] Muehlhan, M., Kirschbaum, C., Wittchen, U., **Alexander, N.** (2015). Epigenetic variation in the serotonin transporter gene predicts resting state functional connectivity strength within the salience-network. *Human Brain Mapping*. 36, 4361-71. [IF: 4.96]
- [30] Steudte-Schmiedgen, S., Stalder, T., Schönfeld, S., Wittchen, U., Trautmann, S., **Alexander, N.**, Kirschbaum C. (2015). Hair cortisol concentrations and cortisol stress reactivity predict PTSD symptom development after trauma exposure during military deployment. *Psychoneuroendocrinology*, 59, 123-33. [IF: 4.70]
- [29] Steudte-Schmiedgen, S., Kirschbaum, C., Gao, W., **Alexander, N.**, Schönfeld, S., Hoyer, J., Stalder, T. (2015). Reply to: linking hair cortisol levels to phenotypic heterogeneity of posttraumatic stress symptoms in highly traumatized Chinese women. *Biological Psychiatry*, 77, e23-4. [IF: 11.21]
- 28] **Alexander, N.**,* Wankerl, M.,* Hennig, J., Miller, R., Zänkert, S., Kirschbaum, C. (2014). DNA methylation profiles within the serotonin transporter gene moderate the association of 5-HTTLPR and cortisol stress reactivity. *Translational Psychiatry*, 4:e443. [IF: 5.62]
- *both authors contributed equally
- [27] Bäuml, D., Kliegel, M., Kirschbaum, C., Miller, R., **Alexander, N.**, Stalder, T. (2014). Effect of a naturalistic prospective memory task on the cortisol awakening response in young children. *Biological Psychology*, 103, 24-6 [IF: 3.40]
- [26] Stalder, T., Tietze, A., Steudte, S., **Alexander, N.**, Dettenborn, L., Kirschbaum, C. (2014). Elevated hair cortisol levels in chronically stressed dementia caregivers. *Psychoneuroendocrinology*, 47, 26-30 [IF: 4.94]
- [25] Wankerl, M., Miller, R., Kirschbaum, C., Hennig, J., Stalder, T., **Alexander, N.** (2014). Effects of genetic and early environmental risk factors for depression on serotonin transporter expression and methylation profiles. *Translational Psychiatry*, 4:e402. [IF: 5.62]
- [24] Berndt, C., Diekelmann, S., **Alexander, N.**, Kirschbaum, C. (2014). Sleep fragmentation and false memories during pregnancy and motherhood. *Behavioural Brain Research*, 266, 52-57. [IF: 3.03]
- [23] Miller, R., Wankerl, M., Stalder, T., Kirschbaum, C., **Alexander, N.** (2013). The serotonin transporter gene-linked polymorphic region (5-HTTLPR) and cortisol stress reactivity: a meta-analysis. *Molecular Psychiatry*, 18, 1018-1024. [IF: 15.15]
- [22] Steudte, S., Kirschbaum, C., Gao, W., **Alexander, N.**, Schönfeld, S., Hoyer, J., Stalder, T. (2013). Hair cortisol as a biomarker of traumatization in healthy individuals and PTSD patients. *Biological Psychiatry*, 74, 639-646. [IF: 9.47]
- [21] Stalder, T., Kirschbaum, C., **Alexander, N.**, Bornstein, S., Gao, W., Stark, S., Bosch, J., Fischer, J. (2013). Cortisol in hair and the metabolic syndrome. *The Journal of Clinical Endocrinology & Metabolism*, 98, 2573-2580. [IF: 6.31]
- [20] Bäuml, D., Kirschbaum, C., Kliegel, M., **Alexander, N.**, Stalder, T. (2013). The cortisol awakening response in toddlers and young children. *Psychoneuroendocrinology*, 38, 2485-2492. [IF: 5.59]
- [19] Klucken, T.*, **Alexander, N.***, Schweckendiek, J., Merz, C. J., Osinsky, R., Walter, B., Vaitl, D., Hennig, J., Stark, R. (2013). Individual differences in neural correlates of fear conditioning as a function of 5-HTTLPR and stressful life events. *Social Cognitive and Affective Neuroscience*, 8, 318-325. [IF: 3.5]

*both authors contributed equally

- [18] Stalder, T., Bäumlér, D., Miller, R., **Alexander, N.**, Kliegel, M., Kirschbaum, C. (2013). The cortisol awakening response in infants: ontogeny and associations with development-related variables. *Psychoneuroendocrinology*, 38, 552-559. [IF: 5.59]
- [17] Stalder, T., Steudte, S., **Alexander, N.**, Miller, R., Dettenborn, L., Kirschbaum, C. (2012). Cortisol in hair, body mass index and stress-related measures. *Biological Psychology*, 90, 218-223. [IF: 3.40]
- [16] **Alexander, N.*** Rosenloecher,* F., Stalder, T., Linke, J., Distler, W., Morgner, J., Kirschbaum, C. (2012). Impact of antenatal synthetic glucocorticoid exposure on endocrine stress reactivity in term born children. *The Journal of Clinical Endocrinology & Metabolism*, 97, 3538-3544 (addressed in Nature. Challis, 2012). [IF: 6.43]
- *both authors contributed equally
- [15] Osinsky, R., Loesch, A., Hennig, J., **Alexander, N.**, McLeod, C. (2012). Attentional bias to negative information and 5-HTTLPR genotype interactively predict students' emotional reactivity to first university semester. *Emotion*, 12, 460-469. [IF: 3.38]
- [14] **Alexander, N.**,* Klucken, T.,* Koppe, G., Osinsky, R., Walter, B., Vaitl, D., Sammer, G., Stark, R., Hennig, J. (2012). Interaction of 5-HTTLPR and environmental adversity: increased amygdala-hypothalamus connectivity as a potential mechanism linking neural and endocrine hyper-reactivity. *Biological Psychiatry*, 72, 49-56. [IF: 9.45]
- *both authors contributed equally
- [13] Kuepper, Y., Wielpuetz, C., **Alexander, N.**, Mueller, E., Grant, P., Hennig, J. (2012). 5-HTTLPR S-Allele: A genetic plasticity factor regarding the effects of life events on personality? *Genes, Brain and Behavior*, 11, 643-650. [IF: 3.66]
- [12] Osinsky, R., Gebhardt, H., **Alexander, N.**, Hennig, J. (2012). Trait anxiety and the dynamics of attentional control. *Biological Psychology*, 89, 252-259. [IF: 3.40]
- [11] Osinsky, R., Hewig, J., **Alexander, N.**, Hennig, J. (2012). COMT Val158Met genotype and the common basis of error and conflict monitoring. *Brain Research*, 1452, 108-18. [IF: 2.88]
- [10] **Alexander, N.**, Osinsky, R., Mueller, E., Schmitz, A., Guenther, J., Kuepper, Y., Hennig, J. (2011). Genetic variants within the dopaminergic system interact with personality to modulate endocrine stress reactivity. *Behavioural Brain Research*. 216, 53-58. [IF: 3.42]
- [9] Osinsky, R., **Alexander, N.**, Gebhardt, H., Hennig, J. (2010). Trait anxiety and dynamic adjustments in conflict-processing. *Cognitive, Affective, & Behavioral Neuroscience*, 10, 372-381. [IF: 3.51]
- [8] **Alexander, N.**, Osinsky, R., Schmitz, A., Müller, E., Küpper, Y., Hennig, J. (2010). The BDNF Val66Met polymorphism affects HPA-axis reactivity to acute stress. *Psychoneuroendocrinology*, 35, 949-53. [IF: 5.17]
- [7] Osinsky, R., **Alexander, N.**, Schmitz, A., Küpper, Y., Müller, E., Beer, L., Köppe, L., Hennig, J. (2010). Genetic Influences on Implicit Measures of Personality. *Journal of Individual Differences*, 31, 115-123. [IF: 1.22]
- [6] Kuepper, Y., **Alexander, N.**, Osinsky, R., Schmitz, E., Netter, P., Hennig, J. (2010). Aggression - Interactions of Serotonin and Testosterone in healthy men and women. *Behavioural Brain Research*, 206, 93-100. [IF: 3.39]
- [5] **Alexander, N.**, Kuepper, Y., Schmitz, A., Osinsky, R., Kozyra, E., Hennig, J. (2009). Gene-environment interactions predict cortisol responses after acute stress: implications for the etiology of depression. *Psychoneuroendocrinology*, 34, 1294-303. [IF: 4.19]

- [4] Osinsky, R., Schmitz, A., **Alexander, N.**, Kuepper, Y., Kozyra, E., Hennig, J. (2009). TPH2 gene variation and conflict-processing in a cognitive and an emotional Stroop task. *Behavioural Brain Research*, 198, 404-410. [IF: 3.22]
- [3] Schmitz, A., Kirsch, P., Reuter, M., **Alexander, N.**, Kozyra, E., Kuepper, Y., Osinsky, R., Hennig, J. (2009). The 5-HT1A C(-1019)G polymorphism, personality and electrodermal reactivity in a reward/punishment paradigm. *The International Journal of Neuropsychopharmacology*, 12, 383-92. [IF: 4.87]
- [2] Bull, S.J., Huezco-Diaz, P., Binder, E.B., Cubells, J.F., Ranjith, G., Maddock, C., Miyazaki, C., **Alexander, N.**, Hotopf, M., Cleare, A.J., Norris, S., Cassidy, E., Aitchison, K.J., Miller, A.H., Pariante, C.M. (2009). Functional polymorphisms in the interleukin-6 and serotonin transporter genes, and depression and fatigue induced by interferon-alpha and ribavirin treatment. *Molecular Psychiatry*, 14, 95-104. [IF: 15.05]
- [1] Osinsky, R., Reuter, M., Kuepper, Y., Schmitz, A., Kozyra, E., **Alexander, N.**, Hennig J. (2009). Variation in the serotonin transporter gene modulates selective attention to threat. *Emotion*, 8(4), 584-588. [IF: 3.38]