

Publications

Journal Article

In press

Mueller, A. & Canli, T. The Serotonin Transporter Gene in the Context of a Behavioral Medicine Perspective. *Encyclopedia of Behavioral Medicine*.

Mueller, A.*, Strahler, J.*, Armbruster, D., Lesch, K.P., Brocke, B., Kirschbaum, C. Genetic contributions to autonomic stress responsiveness in children. *International Journal of Psychophysiology*, Epub ahead of print retrieved November 28, 2011. (*these authors contributed equally to the work).

Armbruster, D., **Mueller, A.**, Strobel, A., Lesch, K.P., Brocke, B., Kirschbaum, C. Children under stress – COMT genotype and past stressful life events predict cortisol increase in an acute social stress paradigm. *International Journal of Neuropsychopharmacology*. Epub ahead of print retrieved December 12, 2011.

2011

Armbruster, D., **Mueller, A.**, Strobel, A., Lesch, K.P., Brocke, B., Kirschbaum, C. Predicting cortisol stress responses in older individuals: influence of serotonin receptor 1 A gene (*HTR1A*) and stressful life events. *Hormones and Behavior*, 60 (1):105-11.

Armbruster, D., **Mueller, A.**, Strobel, A., Lesch, K.P., Kirschbaum, C., Brocke, B. Variation in genes involved in dopamine clearance influence the startle response in older adults. *Journal of Neural Transmission*, 118 (9):1281-92.

Mueller, A., Armbruster, D., Moser, D.A., Canli, T., Lesch, K.P., Brocke, B. & Kirschbaum, C. Interaction of Serotonin Transporter Gene-linked Polymorphic Region and Stressful Life Events Predicts Cortisol Stress Response. *Neuropsychopharmacology*. 36 (7):1332-9.

2010

Armbruster, D., **Müller, A.**, Strobel, A., Kirschbaum, C., Lesch, K.P., Brocke, B.
Influence of functional tryptophan hydroxylase 2 gene variation and sex on the startle
response in children, young adults, and older adults. *Biological Psychology*, 83
(3),:214-21.

Rösler, R., Gebele, N., Hoffmann, K., Morling, K., **Müller, A.**, Rau, R., & Stephan.
Zusammenhänge zwischen Arbeitsintensität, Tätigkeitsspielraum, soziale
Arbeitsumgebung und Cortisol im Speichel – Ein Beitrag zur arbeitspsychologischen
Stressforschung. *Zeitschrift für Arbeits- und Organisationspsychologie*, 54 (2), 68-82 .

2009

Budde, H., Sander, T., Wernicke, C., **Mueller, A.**, Gallinat, J., Schmidt, L.G., &
Smolka, M.N. Serotonin Transporter Promoter Polymorphism and Dopaminergic
Sensitivity in Alcoholics. *Journal of Neural Transmission*, 117 (1), 133-8.

Armbruster, D.* , **Mueller, A.***, Moser, D.A., Lesch, K.P., Brocke, B., & Kirschbaum,
C. Interaction effect of D4 dopamine receptor gene and serotonin transporter
promoter polymorphism on the cortisol stress response. *Behavioral Neuroscience*,
123 (6),1288-95. (*these authors contributed equally to the work).

Mueller, A., Brocke, B., Fries, E., Lesch, K.P., & Kirschbaum, C. The role of the
serotonin transporter polymorphism for the endocrine stress response in newborns.
Psychoneuroendocrinology, 35 (2), 289-96.

Strahler, J., **Mueller, A.**, Rosenloecher, F., Kirschbaum, C., & Rohleder, N. Salivary
 α -Amylase Stress Reactivity across Different Age Groups. *Psychophysiology*, 47 (3),
587-95.

Brocke, B., Lesch, K.P., Armbruster, D., Moser, D.A., **Müller, A.**, Strobel, A., &
Kirschbaum, C. Stathmin, a gene regulating neural plasticity, affects fear and anxiety
processing in humans. *Neuropsychiatric Genetics*, 153B (1), 243-51.

2008

Roth, W.T., Doberenz, S., Dietel, A, Conrad, A., **Mueller, A.**, Wollburg, E., Meuret, A.E., Taylor, C.B., and Kim, S. (2008). Sympathetic Activation in Broadly Defined Generalized Anxiety Disorder. *Journal of Psychiatric Research*, 42 (3), 205-12.

Rösler, U., Stephan, U., Hoffmann, K., Morling, K., **Müller, A.** und Rau, R.
Psychosoziale Merkmale der Arbeit, Überforderungserleben und Depressivität.
Zeitschrift für Arbeits- und Organisationspsychologie, 4, 1-13.

2007

Conrad, A., **Mueller, A.**, Doberenz, S., Meuret, A.E., Wollburg, E., Kim, S., & Roth, W.T. Psychophysiological Effects of Breathing Instructions for Stress Management. *Applied Psychophysiology and Biofeedback*. 32, 89–98.

2002

Rinck, M., Bundschuh, S., Engler, S., **Mueller, A.**, Wissmann, J., Ellwart, T., & Becker, E. Reliability and validity of German versions of three instruments measuring fear of spiders. *Diagnostica* 48 (3), 141-149.

Oral Presentations

2008

Mueller, A., Brocke, B., Fries, E., Armbruster, D., Lesch, K.P., & Kirschbaum, C. The Serotonin-Transporter-Polymorphism (5-HTTLPR): Impact on stress response in humans. *29th International Congress of Psychology (ICP), Berlin, Germany.*

Mueller, A., Brocke, B., Fries, E., Armbruster, D., Lesch, K.P., & Kirschbaum, C. Impact of the serotonin-transporter-polymorphism (5-HTTLPR) and critical life events (CLE) on the stress response in humans. *39th Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE), Dresden, Germany.*

2007

Mueller, A., Moser, D.A., Brocke, B., Lesch, K.P., & Kirschbaum, C. Die Bedeutung des 5-HTT-Polymorphismus für die psychobiologische Stressantwort. *33rd annual meeting of Deutsche Gesellschaft für Psychophysiologie und ihrer Anwendung e. V. (DGPA) „Psychology and Brain“, Dortmund, Germany.*

Mueller, A., Brocke, B., Fries, E., Lesch, K.P., & Kirschbaum, C. Serotonin transporter gene variation impact on the cortisol Response to psychosocial stress. *66th Annual Scientific Conference of the American the American Psychosomatic Society, Baltimore, USA.*

2006

Mueller, A., Kirschbaum, C., & Brocke, B. Die Bedeutung des 5-HTT-Polymorphismus für die psychobiologische Stressantwort. *32nd annual meeting of Deutsche Gesellschaft für Psychophysiologie und ihrer Anwendung e. V. (DGPA) „Psychology and Brain“, Dresden, Germany.*

2005

Mueller, A., Roth, W.T., Conrad, A., Doberenz, S., Wollburg, E., Kim, S. & Meuret, A.E. Psychophysiological Responses in Breathing Instructions. *12th annual meeting of the International Society for Advancement of Respiratory Psychophysiology (ISARP), Hamburg, Germany.*

First-Authored Poster

2011

Mueller, A., Ferri, J. and Canli, T. Neural and endocrine activity in response to an acute psychosocial stressor. *41st Annual Meeting of the Society of Neuroscience (SfN), Washington, D.C., USA.*

Mueller, A., Strahler, J., Armbruster, D., Lesch, K.P., Brocke, B., Kirschbaum, C. Genetic contributions to autonomic stress responsiveness in children. *51st Annual Meeting of the Society of Psychophysiological Research (SPR), Boston, USA.*

2009

Mueller, A., Armbruster, D., Brocke, B., Moser, D.A., Lesch, K.P., & Kirschbaum, C. Impact of the Serotonin-Transporter-Polymorphism (5-HTTLPR) and critical life events on the stress response in four different samples. *2nd Spring School of the Deutschen Gesellschaft für Psychophysiologie und ihre Anwendungen e.V. (DGPA), Dresden, Germany.*

2007

Mueller, A., Moser, D.A., Brocke, B., Lesch, K.P., & Kirschbaum, C. Serotonin transporter gene variation impact on the cortisol response to psychosocial stress. *65th Annual Scientific Conference of the American the American Psychosomatic Society (APS), Budapest, Hungary.*

Mueller, A., Roesler, U., Rau, R., & Kirschbaum, C. The 5-HTT-Polymorphism: Genetic risk factor for strain and stress-related illness at work? *65th Annual Scientific Conference of the American the American Psychosomatic Society (APS), Budapest, Hungary.*