

SCIENTIFIC PUBLICATIONS (DIANA ARMBRUSTER)

JOURNAL ARTICLES

Armbruster, D., Strobel A. (under review). The heart as judge: Association of heart rate variability with moral judgment—A replication study. *Physiology & Behavior*. Preprint at PsyArXiv. doi: 10.31234/osf.io/gn5dz

Armbruster, D., Kirschbaum, C., Strobel, A. (in press). Androgenic morality? Associations of sex, oral contraceptive use and basal testosterone levels with moral decision making. *Behavioral Brain Research*

Behnke, A.*, **Armbruster, D.***, Strobel, A. (under review). The needs of the many: Influence of personality on third-party judgments of utilitarian rule violations. *Ethics & Behavior* (*shared first authorship). Preprint at PsyArXiv. doi: 10.31234/osf.io/b3hcv

Armbruster, D., Brocke, B., Kirschbaum, C., Witt, S., Lesch, K.-P., Strobel, A. (2020). Rhythm and Blues: Influence of *CLOCK* T3111C on peripheral electrophysiological indicators of negative affective processing. *Physiology & Behavior* 219: 112831.

Behnke, A., Strobel, A., **Armbruster, D.** (2020). When the killing has been done: Influences of personality on third-party judgment and punishment of homicides in moral dilemma scenarios. *PLOS ONE* 15: e0235253.

Armbruster, D., Grage, T., Kirschbaum, C., Strobel, A. (2018). Processing emotions: Effects of menstrual cycle phase and premenstrual symptoms on the startle reflex, facial EMG and heart rate. *Behavioural Brain Research* 351: 178-187.

Armbruster, D., Kirschbaum, C., Strobel, A. (2017). The not-so-bitter pill: effects of combined oral contraceptives on peripheral physiological indicators of emotional reactivity. *Hormones & Behavior* 94: 97-105.

Armbruster, D., Brocke, B., Strobel, A. (2017). Winter is coming: Seasonality and the acoustic startle reflex. *Physiology & Behavior* 169: 178-183.

Armbruster, D., Müller-Alcazar, A., Strobel, A., Lesch, K.-P., Kirschbaum, C., Brocke, B. (2016). BDNF val66met genotype shows distinct associations with the acoustic startle reflex and the cortisol stress response in young adults and children. *Psychoneuroendocrinology* 66: 39–46.

Armbruster, D., Pieper, L., Klotsche, J., Hoyer, J. (2015). Predictions get tougher in older individuals: a longitudinal study of optimism, pessimism and depression. *Social Psychiatry and Psychiatric Epidemiology* 50: 153–163.

Armbruster, D., Strobel, A., Kirschbaum, C., Brocke, B. (2014). The impact of sex and menstrual cycle on the acoustic startle response. *Behavioural Brain Research* 274: 326–333.

Armbruster, D., Suchert, V., Gärtner, A., Strobel, A. (2014). Threatening shapes: The impact of simple geometric configurations on peripheral physiological markers. *Physiology & Behavior* 135: 215–221

Armbruster, D., Müller, A., Strobel, A., Lesch, K.-P., Brocke, B., Kirschbaum, C (2012). Children under stress - COMT genotype and stressful life events predict cortisol increase in an acute social stress paradigm. *International Journal of Neuropsychopharmacology* 15: 1229-39.

Müller, A., Strahler, J., **Armbruster, D.**, Lesch, K.-P., Brocke, B., Kirschbaum, C. (2012). Genetic contributions to acute autonomic stress responsiveness in children. *International Journal of Psychophysiology* 83: 302-308.

Armbruster, D., Müller, A., Strobel, A., Lesch, K.-P., Kirschbaum, C., Brocke, B. (2011). Variation in genes involved in dopamine clearance influence the startle response in older adults. *Journal of Neural Transmission* 118: 1281-1292.

Armbruster, D., Müller, A., Strobel, A., Lesch, K.-P., Brocke, B., Kirschbaum, C. (2011). Predicting cortisol stress responses in older individuals: influence of serotonin receptor 1 A gene (HTR1A) and stressful life events. *Hormones and Behavior* 60: 105-111.

Müller, A., **Armbruster, D.**, Moser, D.A., Canli, T., Lesch, K.-P., Brocke, B., Kirschbaum C. (2011). Interaction of serotonin transporter gene-linked polymorphic region and stressful life events predicts cortisol stress response. *Neuropsychopharmacology* 36: 1332-1339.

Armbruster, D., Müller, A., Strobel, A., Lesch, K.P., Kirschbaum, C., Brocke, B. (2010). Influence of functional tryptophan hydroxylase 2 gene variation and sex on the startle response in children, young adults, and older adults. *Biological Psychology* 83: 214-221.

Brocke, B., Lesch, K.-P., **Armbruster, D.**, Moser, D.A., Müller, A., Strobel, A., Kirschbaum, C. (2010). Stathmin, a gene regulating neural plasticity, affects fear and anxiety processing in humans. *American Journal of Medical Genetics, Part B Neuropsychiatric Genetics* 153B: 243-251.

Armbruster, D.*, Müller, A.*, Moser, D.A., Lesch, K.P., Brocke, B., Kirschbaum, C. (2009). Interaction effect of D4 dopamine receptor gene and serotonin transporter promoter polymorphism on the cortisol stress response. *Behavioral Neuroscience* 123: 1288-1295. (*shared first authorship)

Armbruster, D., Moser, D.A., Strobel, A., Hensch, T., Kirschbaum, C., Lesch, K-P., Brocke, B. (2009). Serotonin transporter gene variation and stressful life events impact processing of fear and anxiety. *International Journal of Neuropsychopharmacology* 12: 393-401.

Hensch, T., Herold, U., Diers, K., **Armbruster, D.**, Brocke, B. (2008). Reliability of intensity dependence of auditory-evoked potentials. *Clinical Neurophysiology* 119: 224-236.

Brocke, B., **Armbruster, D.**, Müller, J., Hensch, T., Jacob, C.P., Lesch, K.-P., Kirschbaum, C., Strobel, A. (2006). Serotonin transporter gene variation impacts innate fear processing: Acoustic startle response and emotional startle. *Molecular Psychiatry* 11: 1106-1112.