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Novel mechanisms of traumatic stress eliciting anxiety, depression and fear dysregulations in both mice and humans

Molecular mechanisms underlying psychological sequelae of exposure to stressful experiences such as acute stress disorder (ASD), posttraumatic stress disorder (PTSD) and depression are not well understood. Additionally, women are twice as likely as men to develop anxiety and fear-related disorders. Growing evidence indicates that this vulnerability may be attributed in part to genetics and a greater sensitivity to traumatic life events in female subjects. The results of our research are aimed to discover new mechanisms that may help to prevent and treat stress-related disorders.