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Impact of Stress on the Brain: Pathology, Treatment and Prevention

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TOPICS	CONTRIBUTORS (Lead Author)
Stress Effects on Neuronal Structure and Function in PFC/Amygdala	Bruce McEwen, Rockefeller
Neurogenesis, Generalization, Stress and Anxiety	Amar Sahay, MGH
Stress Sensitization of Fear	Michael Fanselow, UCLA
Stress Regulation of Contextual Fear Learning	Stephen Maren, Texas A&M
Neurobiological Mechanisms of Cannabinoid Modulation of Stress Response	Matt Hill, UCalgary
Rodent BNST – Stress Response Electrophysiological Correlates	Donald Rainnie, Emory
BNST in Humans – Anxiety and Stress Response Modulation	Jennifer Blackford, Vanderbilt
Differential Biological Sensitivity to Context	Thomas Boyce, UC Berkeley
Developmental Studies of Stress on the Human Brain	Nim Tottenham, UCLA
Developmental Consequences of Toxic Stress	Charles Nelson, Harvard
Early life Programming and Stress-related Re-Programming of the Developing Brain	Tallie Baram, UC Irvine
Epigenetic Programming of Stress Pathways	Tracy Bale, UPenn
Mechanisms of Intergenerational Transmission of Fear and Stress in Mice	Kerry Ressler, Emory
Intergenerational Transmission of Stress in Humans	Rachel Yehuda, MSSM
Regulation of the Cortisol System – <i>Animal</i> Genetic Approaches	Louis Muglia, UCincinnati
Gene X Environment Interactions, FKBP5 Regulation of HPA Axis and Depression/PTSD	Elisabeth Binder, Max-Planck Institute
Stress, Anxiety, and Fear – Gene X Environment Effects	Ahmad Hariri, Duke
Genetics and Stress-related Disorders	Jordan Smoller, Harvard
Stress, Extinction, and Fear in Neuroimaging	Israel Liberzon, UMichigan
Prevention of Stress Related Disorders	Murray Stein, UCSD Jonathan Howlett, UCSD
Stress-induced Reinstatement of Drug Seeking: 20 Years of Progress	Yavin Shaham, NIDA