

Biological Psychiatry

A Journal of Psychiatric Neuroscience and Therapeutics

Volume 84, Number 2, July 15, 2018

TRAUMATIC STRESS AND ITS CONSEQUENCES

IN THIS ISSUE - JULY 15TH

- 77 **A brief summary of the articles appearing in this issue of *Biological Psychiatry*.**

COMMENTARIES

- 78 **A Hippocampal Signature of Posttraumatic Stress Disorder Vulnerability**
Leah M. Mayo and Markus Heilig
» See corresponding article on page 106
- 80 **Indirect Targeting of Subsuperficial Brain Structures With Transcranial Magnetic Stimulation Reveals a Promising Way Forward in the Treatment of Fear**
Zachary T. Pennington and Michael S. Fanselow
» See corresponding article on page 129
- 82 **Unraveling the Genetics of Major Depression and Stress-Related Psychiatric Disorders: Is It Time for a Paradigm Shift?**
Joan Kaufman
» See corresponding article on page 138

CLINICAL COMMENTARY

- e9 **Missed Connections: A Network Approach to Understanding Psychiatric Illness**
Aaron F. Alexander-Bloch, Danielle S. Bassett, and David A. Ross
» See corresponding article on page 116

EARLY CAREER INVESTIGATOR COMMENTARY

- e13 **Identification of Human Hippocampal Circuitry Involved in Risk and Resilience to Posttraumatic Stress Disorder Following Trauma Exposure**
Anthony P. King
» See corresponding article on page 106

PRIORITY COMMUNICATION

- 85 **Stress Promotes Drug Seeking Through Glucocorticoid-Dependent Endocannabinoid Mobilization in the Prelimbic Cortex**
Jayme R. McReynolds, Elizabeth M. Doncheck, Yan Li, Oliver Vranjkovic, Evan N. Graf, Daisuke Ogasawara, Benjamin F. Cravatt, David A. Baker, Qing-Song Liu, Cecilia J. Hillard, and John R. Mantsch

REVIEW

- 95 Metabotropic Glutamatergic Receptor 5 and Stress Disorders: Knowledge Gained From Receptor Imaging Studies**
Irina Esterlis, Sophie E. Holmes, Priya Sharma, John H. Krystal, and Christine DeLorenzo

ARCHIVAL REPORTS

- 106 The Role of the Hippocampus in Predicting Future Posttraumatic Stress Disorder Symptoms in Recently Traumatized Civilians**

Sanne J.H. van Rooij, Jennifer S. Stevens, Timothy D. Ely, Rebecca Hinrichs, Vasiliki Michopoulos, Sterling J. Winters, Yvonne E. Ogbonmwan, Jaemin Shin, Nicole R. Nugent, Lauren A. Hudak, Barbara O. Rothbaum, Kerry J. Ressler, and Tanja Jovanovic
» See commentaries on pages 78 and e13

- 116 Neural Mechanisms of Early-Life Social Stress as a Developmental Risk Factor for Severe Psychiatric Disorders**

Jonathan Rochus Reinwald, Robert Becker, Anne Stephanie Mallien, Claudia Falfan-Melgoza, Markus Sack, Christian Clemm von Hohenberg, Urs Braun, Alejandro Cosa Linan, Natalia Gass, Andrei-Nicolae Vasilescu, Fabian Tollens, Philipp Lehardt, Natascha Pfeiffer, Dragos Inta, Andreas Meyer-Lindenberg, Peter Gass, Alexander Sartorius, and Wolfgang Weber-Fahr
» See commentary on page e9

- 129 Prefrontal Cortex Stimulation Enhances Fear Extinction Memory in Humans**

Tommi Raji, Aapo Nummenmaa, Marie-France Marin, Daria Porter, Sharon Furtak, Kawin Setsompop, and Mohammed R. Milad
» See commentary on page 80

- 138 Does Childhood Trauma Moderate Polygenic Risk for Depression? A Meta-analysis of 5765 Subjects From the Psychiatric Genomics Consortium**

Wouter J. Peyrot, Sandra Van der Auwera, Yuri Milaneschi, Conor V. Dolan, Pamela A.F. Madden, Patrick F. Sullivan, Jana Strohmaier, Stephan Ripke, Marcella Rietschel, Michel G. Nivard, Niamh Mullins, Grant W. Montgomery, Anjali K. Henders, Andrew C. Heath, Helen L. Fisher, Erin C. Dunn, Enda M. Byrne, Tracy A. Air, Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Bernhard T. Baune, Jerome Breen, Douglas F. Levinson, Cathryn M. Lewis, Nick G. Martin, Elliot N. Nelson, Dorret I. Boomsma, Hans J. Grabe, Naomi R. Wray, and Brenda W.J.H. Penninx
» See commentary on page 82


- 148 Replication in Imaging Genetics: The Case of Threat-Related Amygdala Reactivity**

Reut Avinun, Adam Nevo, Annchen R. Knodt, Maxwell L. Elliott, and Ahmad R. Hariri


CORRESPONDENCE

- e17 It Is Time to Look for New Treatments for Posttraumatic Stress Disorder: Can Sympathetic System Modulation Be an Answer?**

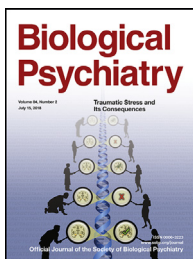
Eugene Lipov, Andrea Tukan, and Kenneth Candido

e19  **Reply to: It Is Time to Look for New Treatments for Posttraumatic Stress Disorder: Can Sympathetic System Modulation Be an Answer?**


*John H. Krystal, Lori L. Davis,
Thomas C. Neylan, Murray Raskind,
Paula P. Schnurr, Murray B. Stein,
Jennifer Vessicchio, Brian Shiner,
Theresa C. Gleason, and
Grant D. Huang*

e21  **Response to the Consensus Statement of the PTSD Psychopharmacology Working Group**

*Allison A. Feduccia, Michael C. Mithoefer,
Lisa Jerome, Julie Holland, Amy Emerson, and
Rick Doblin*



The cover artwork represents a summary of the paper by Avinun *et al.* (in this issue, pages 148–159), in which the authors were able to replicate only 3 of 37 previously published candidate gene association studies of amygdala reactivity. These findings suggest that using intermediate neuroimaging phenotypes instead of behavioral or clinical phenotypes does not necessarily improve the reliability of association studies targeting individual candidate genes. Artwork created by Annchen Knodt of the Laboratory of NeuroGenetics at Duke University.

 = content available online only