

# Biological Psychiatry

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## MOLECULAR AND NEURAL SYSTEMS IN DEPRESSION

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- 513** **Chronic Social Defeat and Intracranial Self-Stimulation: Unmasking the Many Faces of Depression?**

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- 515** **Connectomics Reveals Faulty Wiring Patterns for Depressed Brain**

*Yanchao Bi and Yong He*

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*Boadie W. Dunlop, Paul E. Holtzheimer III,*

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- 536** **Rare Copy Number Variation in Treatment-Resistant Major Depressive Disorder**

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*Shawn N. Murphy, Jordan W. Smoller,*

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- 542** **Enduring Deficits in Brain Reward Function after Chronic Social Defeat in Rats: Susceptibility, Resilience, and Antidepressant Response**

*Andre Der-Avakian, Michelle S. Mazei-Robison,*

*James P. Kesby, Eric J. Nestler, and Athina Markou*

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- 550** **Effects of Striatal  $\Delta$ FosB Overexpression and Ketamine on Social Defeat Stress-Induced Anhedonia in Mice**

*Rachel J. Donahue, John W. Muschamp,*

*Scott J. Russo, Eric J. Nestler, and*

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**559 Omega-3 Fatty Acids in the Prevention of Interferon-Alpha-Induced Depression: Results from a Randomized, Controlled Trial**

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**567 Abnormal Structural Networks Characterize Major Depressive Disorder: A Connectome Analysis**

*Mayuresh S. Korgaonkar, Alex Fornito, Leanne M. Williams, and Stuart M. Grieve*  
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**575 Immune Activation Promotes Depression 1 Month After Diffuse Brain Injury: A Role for Primed Microglia**

*Ashley M. Fenn, John C. Gensel, Yan Huang, Phillip G. Popovich, Jonathan Lifshitz, and Jonathan P. Godbout*

**585 Peripheral Inflammation Acutely Impairs Human Spatial Memory via Actions on Medial Temporal Lobe Glucose Metabolism**

*Neil A. Harrison, Christian F. Doeller, Valerie Voon, Neil Burgess, and Hugo D. Critchley*

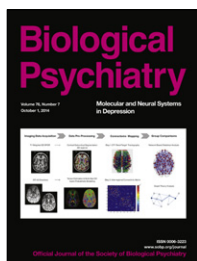
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**CORRESPONDENCE**

**e15 Blood Mononuclear Cell Proteome Suggests Integrin and Ras Signaling as Critical Pathways for Antidepressant Treatment Response**




*Daniel Martins-de-Souza, Giuseppina Maccarrone, Marcus Ising, Stefan Kloiber, Susanne Lucae, Florian Holsboer, and Christoph W. Turck*



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Korgaonkar *et al.* (in this issue, pages 567-574) examined whole-brain structural networks in patients with major depressive disorder (MDD) and healthy control subjects. Their analyses of this connectome data, the workflow of which is shown on the cover, identified two abnormal networks that characterize MDD patients: one involves the regions of the default mode network and the second comprises frontal cortex, thalamus, and caudate regions. 3D, three-dimensional; DTI, diffusion tensor imaging; SPGR, spoiled gradient echo.

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