

Biological Psychiatry

CNNI Cognitive Neuroscience
and Neuroimaging

Volume 4, Number 5, May 2019

IN THIS ISSUE - MAY

- 415** A brief summary of the articles appearing in this issue of *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*

COMMENTARIES

- 417** **The Duration of Untreated Psychosis and Frontostriatal Connectivity: Toward Understanding the Impact of Untreated Psychosis on Brain Function**
Aristotle N. Voineskos
» See corresponding article on page 454
- 419** **Regression Models for Characterizing Categorical-Dimensional Brain-Behavior Relationships in Clinical Populations**
Jason S. Nomi
» See corresponding article on page 472
- 421** **The Role of Sport Involvement in Reducing Depressive Symptoms via Changes to Hippocampal Structure: Next Steps for Research in Developing Samples**
Sarah Whittle
» See corresponding article on page 484

ARCHIVAL REPORTS

- 423** **Disruptions in White Matter Maturation and Mediation of Cognitive Development in Youths on the Psychosis Spectrum**
Catherine E. Hegarty, Dietsje D. Jolles, Eva Mennigen, Maria Jalbrzikowski, Carrie E. Bearden, and Katherine H. Karlsgodt

- 434** **Cortical Morphometry in the Psychosis Risk Period: A Comprehensive Perspective of Surface Features**
Katherine S.F. Damme, Tina Gupta, Robin Nusslock, Jessica A. Bernard, Joseph M. Orr, and Vijay A. Mittal

- 444** **Patterns of Cortical Structures and Cognition in Antipsychotic-Naïve Patients With First-Episode Schizophrenia: A Partial Least Squares Correlation Analysis**
Kasper Jessen, Rene C.W. Mandl, Birgitte Fagerlund, Kirsten B. Bojesen, Jayachandra M. Raghava, Hayder G. Obaid, Marie B. Jensen, Louise B. Johansen, Mette Ø. Nielsen, Christos Pantelis, Egill Rostrup, Birte Y. Glenthøj, and Bjørn H. Ebdrup

- 454** **Association Between Duration of Untreated Psychosis and Frontostriatal Connectivity During Maintenance of Visuospatial Working Memory**
Ashwinee Manivannan, William Foran, Maria Jalbrzikowski, Vishnu P. Murty, Gretchen L. Haas, Goda Tarcijonas, Beatriz Luna, and Deepak K. Sarpal
» See commentary on page 417

462 Micro- and Macrostructural White Matter Integrity in Never-Treated and Currently Unmedicated Patients With Schizophrenia and Effects of Short-Term Antipsychotic Treatment

Nina Vanessa Kraguljac, Thomas Anthony, Frank Michael Skidmore, Jon Marstrand, Charity Johanna Morgan, Meredith Amanda Reid, David Matthew White, Ripu Daman Jindal, Nicholas Harry Melas Skefos, and Adrienne Carol Lahti

472 An Integrated Analysis of Neural Network Correlates of Categorical and Dimensional Models of Attention-Deficit/Hyperactivity Disorder

Raimon H.R. Pruim, Christian F. Beckmann, Marianne Oldehinkel, Jaap Oosterlaan, Dirk Heslenfeld, Catharina A. Hartman, Pieter J. Hoekstra, Stephen V. Faraone, Barbara Franke, Jan K. Buitelaar, and Maarten Mennes

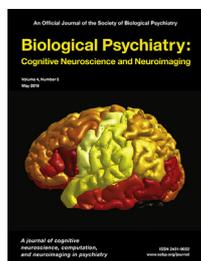
» See commentary on page 419

484 Involvement in Sports, Hippocampal Volume, and Depressive Symptoms in Children

Lisa S. Gorham, Terry Jernigan, Jim Hudziak, and Deanna M. Barch
» See commentary on page 421

493 Alcohol Expectancy and Cerebral Responses to Cue-Elicited Craving in Adult Nondependent Drinkers

Simon Zhornitsky, Sheng Zhang, Jaime S. Ide, Herta H. Chao, Wuyi Wang, Thang M. Le, Robert F. Leeman, Jinbo Bi, John H. Krystal, and Chiang-shan R. Li



The graphic on the cover depicts a partial least squares correlation analysis of both participant groups combined (antipsychotic-naïve first-episode schizophrenia patients and healthy control subjects). This analysis from Jessen *et al.* (in this issue, pages 444–453) revealed a significant cortical thickness/cognition pattern, which explained 69.9% of the cross-block covariance. Overall, findings from this work suggest that the link between cortical structures and cognitive deficits is present at the earliest, never-medicated stage of schizophrenia. Image credit: Jayachandra M. Raghava.
