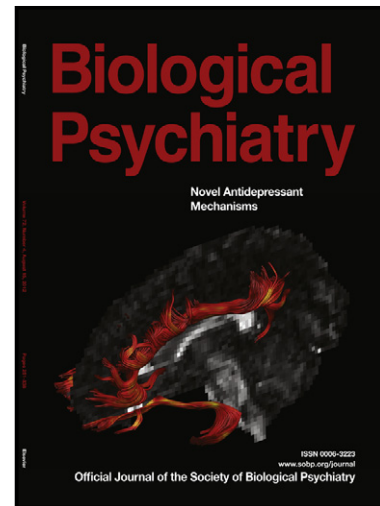


Author's Accepted Manuscript

Brain regions related to impulsivity mediate the effects of early adversity on antisocial behavior

Scott Mackey, Bader Chaarani, Kees-Jan Kan, Philip Spechler, Catherine Orr, Tobias Banaschewski, Gareth Barker, Arun L.W. Bokde, Uli Bromberg, Christian Büchel, Anna Cattrell, Patricia J. Conrod, Sylvane Desrivères, Herta Flor, Vincent Frouin, Jürgen Gallinat, Penny Gowland, Andreas Heinz, Bernd Ittermann, Marie-Laure Paillère Martinot, Eric Artiges, Frauke Nees, Dimitri Papadopoulos-Orfanos, Luise Poustka, Michael N. Smolka, Sarah Jurk, Henrik Walter, Robert Whelan, Gunter Schumann, Robert R. Althoff, Hugh Garavan, , & The IMAGEN Consortium



www.sobp.org/journal

PII: S0006-3223(16)00043-3
DOI: <http://dx.doi.org/10.1016/j.biopsych.2015.12.027>
Reference: BPS12783

To appear in: *Biological Psychiatry*

Cite this article as: Scott Mackey, Bader Chaarani, Kees-Jan Kan, Philip Spechler, Catherine Orr, Tobias Banaschewski, Gareth Barker, Arun L.W. Bokde, Uli Bromberg, Christian Büchel, Anna Cattrell, Patricia J. Conrod, Sylvane Desrivères, Herta Flor, Vincent Frouin, Jürgen Gallinat, Penny Gowland, Andreas Heinz, Bernd Ittermann, Marie-Laure Paillère Martinot, Eric Artiges, Frauke Nees, Dimitri Papadopoulos-Orfanos, Luise Poustka, Michael N. Smolka, Sarah Jurk, Henrik Walter, Robert Whelan, Gunter Schumann, Robert R. Althoff, Hugh Garavan, , & The IMAGEN Consortium, Brain regions related to impulsivity mediate the effects of early adversity on antisocial behavior, *Biological Psychiatry*, <http://dx.doi.org/10.1016/j.biopsych.2015.12.027>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the

production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات