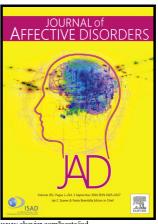
### Author's Accepted Manuscript

Early life social stress and resting state functional connectivity in postpartum rat anterior cingulate circuits

Benjamin C. Nephew, Marcelo Febo, Wei Huang, Luis M. Colon-Perez, Laurellee Payne, Guillaume L. Poirier, Owen Greene, Jean A. King



www.elsevier.com/locate/iad

PII: S0165-0327(17)31960-2

https://doi.org/10.1016/j.jad.2017.12.089 DOI:

Reference: JAD9497

To appear in: Journal of Affective Disorders

Received date: 19 September 2017 Revised date: 22 November 2017 Accepted date: 31 December 2017

Cite this article as: Benjamin C. Nephew, Marcelo Febo, Wei Huang, Luis M. Colon-Perez, Laurellee Payne, Guillaume L. Poirier, Owen Greene and Jean A. King, Early life social stress and resting state functional connectivity in postpartum rat anterior cingulate circuits, Journal of Affective Disorders, https://doi.org/10.1016/j.jad.2017.12.089

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.

#### **ACCEPTED MANUSCRIPT**

Early life social stress and resting state functional connectivity in postpartum rat anterior cingulate circuits

Benjamin C. Nephew<sup>1\*</sup>, Marcelo Febo<sup>2</sup>, Wei Huang<sup>3</sup>, Luis M. Colon-Perez<sup>2</sup>, Laurellee Payne<sup>3</sup>, Guillaume L. Poirier<sup>3</sup>, Owen Greene<sup>1</sup>, Jean A. King<sup>3</sup>

<sup>1</sup>Department of Biomedical Sciences, Tufts University Cummings School of Veterinary Medicine, 200 Westborough Road, North Grafton, MA, 01536. 508-641-0865, bcnephew@aol.com.

<sup>2</sup>Department of Psychiatry, McKnight Brain Institute, University of Florida College of Medicine, Gainesville, FL, 32611

<sup>3</sup>Center for Comparative Neurolmaging, Department of Psychiatry, University of Massachusetts Medical School, Worcester, MA, 01655

\* Corresponding author

#### **ABSTRACT**

Introduction

Continued development and refinement of resting state functional connectivity (RSFC) fMRI techniques in both animal and clinical studies has enhanced our comprehension of the adverse effects of stress on psychiatric health. The objective of the current study was to assess both maternal behavior and resting state functional connectivity (RSFC) changes in these animals when they were dams caring for their own young. It was hypothesized that ECSS exposed dams would express depressed maternal care and exhibit similar (same networks), yet different specific changes in RSFC (different individual nuclei) than reported when they were adult females.

# دريافت فورى ب متن كامل مقاله

## ISIArticles مرجع مقالات تخصصی ایران

- ✔ امكان دانلود نسخه تمام متن مقالات انگليسي
  - ✓ امكان دانلود نسخه ترجمه شده مقالات
    - ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
  - ✓ امكان دانلود رايگان 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