

# Stanford

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## Jessica Louise Buthmann

Postdoctoral Scholar, Psychology

Curriculum Vitae available Online

### Bio

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#### HONORS AND AWARDS

- Young Investigator Grant (NARSAD), The Brain and Behavior Research Foundation (2024-2026)

#### STANFORD ADVISORS

- Ian Gotlib, Postdoctoral Research Mentor
- Ian Gotlib, Postdoctoral Faculty Sponsor

### Research & Scholarship

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#### LAB AFFILIATIONS

- Ian Gotlib, Stanford Neurodevelopment, Affect, and Psychopathology Lab (6/7/2021)

### Publications

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#### PUBLICATIONS

- **The growing interdisciplinarity of developmental psychopathology: Implications for science and training.** *Development and psychopathology* Gotlib, I. H., Buthmann, J. L., Uy, J. P.  
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- **Large-scale proteomics in the first trimester of pregnancy predict psychopathology and temperament in preschool children: an exploratory study.** *Journal of child psychology and psychiatry, and allied disciplines* Buthmann, J. L., Miller, J. G., Aghaeepour, N., King, L. S., Stevenson, D. K., Shaw, G. M., Wong, R. J., Gotlib, I. H.  
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- **Exploring sex differences in trajectories of pubertal development and mental health following early adversity.** *Psychoneuroendocrinology* Ho, T. C., Buthmann, J., Chahal, R., Miller, J. G., Gotlib, I. H.  
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- **Early life stress predicts trajectories of emotional problems and hippocampal volume in adolescence.** *European child & adolescent psychiatry* Buthmann, J. L., Miller, J. G., Uy, J. P., Coury, S. M., Jo, B., Gotlib, I. H.  
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- **Biological sensitivity to adolescent-parent discrepancies in perceived parental warmth.** *Comprehensive psychoneuroendocrinology* Buthmann, J. L., LeMoult, J., Miller, J. G., Berens, A., Gotlib, I. H.  
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- **Early life stress, sleep disturbances, and depressive symptoms during adolescence: The role of the cingulum bundle.** *Developmental cognitive neuroscience* Uy, J. P., Ho, T. C., Buthmann, J. L., Coury, S. M., Gotlib, I. H.  
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- **Maternal-prenatal stress and depression predict infant temperament during the COVID-19 pandemic.** *Development and psychopathology*  
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- **Negative caregiving and stress reactivity moderate the relation between early life stress and externalizing in adolescence.** *Developmental psychobiology*  
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- **A Social Gradient of Cortical Thickness in Adolescence: Relationships With Neighborhood Socioeconomic Disadvantage, Family Socioeconomic Status, and Depressive Symptoms.** *Biological psychiatry global open science*  
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- **Hippocampal volume indexes neurobiological sensitivity to the effect of pollution burden on telomere length in adolescents.** *New directions for child and adolescent development*  
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- **Coping During the COVID-19 Pandemic: Maternal Mental Health and Infant Temperament**  
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ELSEVIER SCIENCE INC.2022: S196-S197
- **Dimensions of Early Adversity and the Development of Functional Brain Network Connectivity During Adolescence: Implications for Trajectories of Internalizing Symptoms**  
Chahal, R., Miller, J. G., Yuan, J. P., Buthmann, J. L., Ho, T. C., Gotlib, I. H.  
ELSEVIER SCIENCE INC.2022: S48
- **Prenatal COVID-19 Related Stress, Maternal Emotion Regulation and Infant Temperament: Assessing the Developmental Impact of the COVID-19 Pandemic**  
Costello, L., Buthmann, J. L., Gotlib, I.  
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- **An exploration of dimensions of early adversity and the development of functional brain network connectivity during adolescence: Implications for trajectories of internalizing symptoms.** *Development and psychopathology*  
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- **Prenatal Exposure to a Climate-Related Disaster Results in Changes of the Placental Transcriptome and Infant Temperament.** *Frontiers in genetics*  
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- **Maternal stress and its consequences - biological strain.** *American journal of perinatology*  
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- **Placental Gene Expression and Offspring Temperament Trajectories: Predicting Negative Affect in Early Childhood** *JOURNAL OF ABNORMAL CHILD PSYCHOLOGY*  
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- **The children of Superstorm Sandy: Maternal prenatal depression blunts offspring electrodermal activity** *BIOLOGICAL PSYCHOLOGY*  
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- **Influence of in utero exposure to maternal depression and natural disaster-related stress on infant temperament at 6 months: The children of Superstorm Sandy** *INFANT MENTAL HEALTH JOURNAL*  
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- **Infant Temperament: Repercussions of Superstorm Sandy-Related Maternal Stress** *CHILD PSYCHIATRY & HUMAN DEVELOPMENT*

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● **Prenatal exposure to disaster-related traumatic stress and developmental trajectories of temperament in early childhood: Superstorm Sandy pregnancy study** *JOURNAL OF AFFECTIVE DISORDERS*

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● **Timing of prenatal exposure to trauma and altered placental expressions of hypothalamic-pituitary-adrenal axis genes and genes driving neurodevelopment** *JOURNAL OF NEUROENDOCRINOLOGY*

Zhang, W., Li, Q., Deyssenroth, M., Lambertini, L., Finik, J., Ham, J., Huang, Y., Tsuchiya, K. J., Pehme, P., Buthmann, J., Yoshida, S., Chen, J., Nomura, et al  
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● **Neurodevelopmental consequences in offspring of mothers with preeclampsia during pregnancy: underlying biological mechanism via imprinting genes** *ARCHIVES OF GYNECOLOGY AND OBSTETRICS*

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