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### ACCEPTED MANUSCRIPT

#### CHALLENGES IN NEURODEVELOPMENTAL NEUROIMAGING

# Advances, Challenges, and Promises in Pediatric Neuroimaging of Neurodevelopmental Disorders

Haley M. Bednarz

&

Rajesh K. Kana

Department of Psychology, University of Alabama at Birmingham. Birmingham, AL USA

#### **Corresponding Author:**

Rajesh K. Kana, Ph.D.

Department of Psychology
University of Alabama, Birmingham
CIRC 235G, 1719 6<sup>th</sup> Ave South
Birmingham, AL 35294-0021

Phone: 205-934-3171; Fax: 205-975-6330

E-mail: rkana@uab.edu

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#### **Highlights**

- Number of imaging studies of neurodevelopmental disorders (NDDs) has grown recently
- Methodological and conceptual challenges remain in neuroimaging research of NDDs
- Poor replicability and generalizability hinder translational goals of NDD research
- This study discusses challenges and advances in neuroimaging research of three NDDs
- Neuroimaging can find markers that can assist with NDD diagnosis and treatment

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