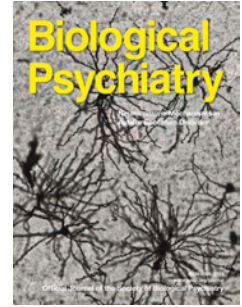


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Infant Gut Microbiome Associated with Cognitive Development

Alexander L. Carlson, Kai Xia, M. Andrea Azcarate-Peril, Barbara D. Goldman, Mihye Ahn, Martin A. Styner, Amanda L. Thompson, Xiujuan Geng, John H. Gilmore, Rebecca C. Knickmeyer

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TITLE PAGE**Title: Infant Gut Microbiome Associated with Cognitive Development****Short Title: Infant gut microbiome and cognition****Authors:** Alexander L. Carlson¹, Kai Xia², M. Andrea Azcarate-Peril^{3,4}, Barbara D. Goldman^{5,6}, Mihye Ahn⁷, Martin A. Styner^{2,8}, Amanda L. Thompson^{9,10}, Xiujuan Geng^{11,12}, John H. Gilmore², Rebecca C. Knickmeyer^{2,*}**Affiliations:**¹Neuroscience Curriculum, University of North Carolina, Chapel Hill, NC, USA²Department of Psychiatry, University of North Carolina, Chapel Hill, NC, USA³Department of Medicine, University of North Carolina, Chapel Hill, NC, USA⁴Microbiome Core Facility, University of North Carolina, Chapel Hill, NC, USA⁵Department of Psychology and Neuroscience, University of North Carolina, Chapel Hill, NC, USA⁶Frank Porter Graham Child Development Institute, University of North Carolina, Chapel Hill, NC, USA⁷Department of Mathematics and Statistics, University of Nevada, Reno, NV, USA⁸Department of Computer Science, University of North Carolina, Chapel Hill, NC, USA⁹Department of Anthropology, University of North Carolina, Chapel Hill, NC, USA¹⁰Department of Nutrition, University of North Carolina, Chapel Hill, NC, USA¹¹Department of Psychology Lab of Neuropsychology and Lab of Social Cognitive Affective Neuroscience, University of Hong Kong, Hong Kong¹²State Key Lab of Brain and Cognitive Sciences, University of Hong Kong, Hong Kong

Correspondence to: Rebecca C. Knickmeyer, Department of Psychiatry, 343 Medical Wings C, Campus Box #7160, University of North Carolina, Chapel Hill NC 27599-7160, Email: rebecca_knickmeyer@med.unc.edu

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Supplement 1: PDF file (contains all supplemental material except Table S3)

Supplement 2: Excel file (contains Table S3 only)

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