

Megan Herting, Ph.D. Assistant Professor of Preventive Medicine and Pediatrics

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Lab research objectives:

1. Understanding neurotypical and atypical brain development using advanced human MRI techniques
2. Identifying risk and resiliency factors in risk for mental health problems in children and adolescence

Looking for a postdoc with expertise in big data, biostatistics/epidemiology, and/or advanced MRI analytic methods. Contribute to preprocessing, analyses, and leadership in interpretation and/writing using multi-modal MRI datasets at both 3T and 7T, including those collected in-house (locally) and as part of larger national efforts, such as the ABCD study.

Requirements – PhD in neuroscience, engineering, statistics, epidemiology, or related field – Strong computational/engineering background – Skilled in coding (i.e. R, Python, Bash, and/or MATLAB). Statistical knowledge of linear mixed effects (LME) and general additive modeling (GAM) highly desired.

Our lab has strong collaborations with the California Institute of Technology (Caltech), USC Mark and Mary Stevens Neuroimaging and Informatics Institute, and Children's Hospital Los Angeles.