

John Gilmore, MD

Thad and Alice Eure Distinguished Professor of Psychiatry and Vice Chair of Research and Scientific Affairs; Director of the Center for Excellence in Community Mental Health at UNC-Chapel Hill

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Dr. Gilmore is a physician with special interest in pre & early postnatal brain development and how it contributes to risk for schizophrenia

Dr. Gilmore's research focuses on pre- and early postnatal brain development and how it contributes to risk for schizophrenia. It has been known for years that early brain development is abnormal in people who go on to develop schizophrenia, though few have attempted to study this in a systematic way. Dr. Gilmore and colleagues have developed MR imaging and image analysis methodologies to study very early human brain in children at high risk for schizophrenia. They also study normal brain development from birth to age 6, as little is known about how the normal brain develops in this time period of risk for schizophrenia and other neurodevelopmental disorders. They apply structural MRI, diffusion tensor imaging to study white matter development, and resting state fMRI to study functional network development. Current longitudinal studies include: 1) early brain development in children at risk for schizophrenia and bipolar illness, 2) a twin study to determine genetic and environmental contributions to early brain development, and 3) a study of structural brain development in normal children and its relationship to cognitive development.

Psychotic Disorders, Psychology, Schizophrenia, Community Mental Health, Psychiatry, Pre- and Early Post-Natal Brain Development, Bipolar Disorder

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