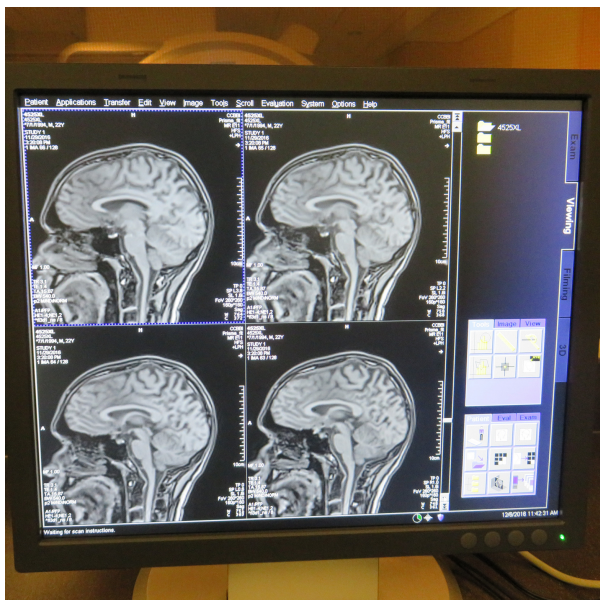


THE CENTER FOR COGNITIVE AND BEHAVIORAL BRAIN IMAGING *Talk Series*



Join Us

FRIDAY
DECEMBER 7
1:00 PM

1835 NEIL AVENUE
PSYCHOLOGY BUILDING
ROOM 35



THE OHIO STATE UNIVERSITY

Presents: **DR. DAN KENNEDY**

INDIANA UNIVERSITY, BLOOMINGTON
DEPARTMENT OF PSYCHOLOGY AND BRAIN SCIENCES



Opportunities and challenges for developing fMRI-based biomarkers in ASD

Abstract: There is a pressing need for the development of objective, quantifiable biological markers (biomarkers) for psychiatric disorders. In this talk, I will discuss some of our recent work in developing reliable and individualized measures of brain functioning in typically developing individuals and in individuals with autism spectrum disorder (ASD). These measures include functional connectivity MRI as well as naturalistic viewing paradigms using complex video stimuli. I will also highlight the many challenges that must be solved before fMRI-based biomarkers can become a reality, including respiratory and movement artifacts, determining best practices for data preprocessing, and considering heterogeneity that is characteristic of ASD and other psychiatric disorders.

Host: Dr. Ian Krajbich

For more information please visit: ccbbs.osu.edu/events