

GRAND ROUNDS

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12 PM-1 PM

Campus Services Building Room 679

**Atypical Brain Structure and Functioning in
Youth with a Family History of Alcoholism**

ABSTRACT

Family history of alcoholism is associated with an increased risk for developing an alcohol use disorder during adolescence. Prior to any use themselves, studies have shown that youth with a family history of alcoholism have both structural and functional brain abnormalities, but there are still many unanswered questions. This talk will discuss recent work from our laboratory demonstrating atypical white matter microstructure, abnormal brain response during risk-taking, and atypical fronto-cerebellar circuitry among youth with a family history of alcoholism. Our findings suggest that there may be underlying neurodevelopmental differences in these youth that help to explain the vulnerability for substance use.

Food and beverages will be provided.