

**DEPARTMENT OF GENETICS
&
HUMAN GENETICS INSTITUTE OF NEW JERSEY**

RESEARCH SEMINAR

**“Understanding polygenic risk from the lens of a
learning healthcare system”**



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The wealth of insights from genome-wide association studies has led to increased interest in the potential clinical applications of polygenic risk scores. Here, biobanks provide a novel opportunity to examine polygenic effects in real-world healthcare settings and to investigate across hundreds to thousands of traits. In this paper, I will describe the development of the Colorado Center for Personalized Medicine, a large institutional biobank with a robust and scalable return-of-results program. I will then discuss how we have utilized this new resource to study the potential, as well as the pitfalls, of polygenic scoring, particularly across the spectrum of human genetic diversity.

Noon, Monday, December 18, 2023
Life Sciences Building | Auditorium | 145 Bevier Road, Piscataway
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