

RESEARCH INSTITUTE FOR FUNDAMENTAL SCIENCES



Celebrating 60 Years of TÜBİTAK

Scientific Türkiye: Public Lecture Series

Causes and Consequences of Our Genetic Diversity

June 19 2023, 14:00 - 15:00 (GMT +3), Gebze, TÜRKİYE



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Credit: Nature.com

No two people in the world are the same, and many of the differences between human individuals are genetic. Computational and statistical methods applied to the rapidly growing data on human DNA shed light on these genetic differences. We learn about mutations that give rise to genetic variants. Many of these variants are hundreds of thousands of years old. We are beginning to understand how the genetic differences lead to differences in human traits such as height and to differences in disease risk. The effect of genetic variants is mediated by events at the molecular level. Forces of evolution shape and maintain this variation. These insights help equip us with methods to discover genes responsible for human rare and common diseases.

Organizer: Alikram Nuhbalaoğlu (Director of TÜBİTAK TBAE)

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