

Methods for ancestry inference from genotype data

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How much can we learn about a person based on his or her DNA? Can we find the individual's place of birth, last name, or family members? With the exponential decrease in the cost of DNA sequencing, it is now possible to begin answering some of these questions. In this talk I will describe recent developments in methods for the detection of an individual's ancestry from genetic data. No biological background is required.

The talk will be based on joint works with my student Yael Baran, and with Eleazar Eskin, John Novembre, and Wen-Yun Yang, from UCLA.