APPLIED MATHEMATICS COLLOQUIUM

ANCESTRY MAPPING USING POPULATION GENETICS TO FIND DISEASE GENES

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ABSTRACT:

We describe *recombination*, a basic biological process that underlies most of modern genetics, and briefly sketch how geneticists are seeking for the genetic causes of human disease.

We then will discuss *ancestry mapping*, which has only recently become feasible, and is a method that uses population genetics to search the whole genome efficiently for disease mutations.

MONDAY, NOVEMBER 1, 2004 4:15 PM Building 4, Room 231

Refreshments at 3:30 PM in Building 2, Room 349.

Applied Math Colloquium: http://www-math.mit.edu/amc/fall04 Math Department: http://www-math.mit.edu



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