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# Genetic Susceptibility Bridging the Gap between DNA and Disease

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## Abstract

Genetic susceptibility is a critical factor inþuencing an individualïs risk of developing various diseases. This article explores the intricate relationship between genetics and disease, elucidating how genetic variations shape susceptibility and pave the way for personalized medicine. Understanding the interplay between DNA, environmental factors, and disease risk is crucial for advancing preventive and therapeutic strategies. Recent advancements in genomic research have provided valuable insights into the genetic basis of disease, o ering opportunities for targeted interventions. However, ethical and social considerations surrounding genetic testing and risk assessment must be carefully addressed. By bridging the gap between DNA and disease, we can unlock the potential of precision medicine to improve health outcomes.

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