

The Role of Microbiome in Human Immunity

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Abstract. This paper examines the critical role of the human microbiome in shaping immune responses. The interplay between host microbial communities and the immune system is crucial for maintaining health and preventing disease. The authors analyze recent findings on microbiome-immune interactions and their implications for developing novel therapeutic strategies.

Keywords: Microbiome, Immune System, Health, Disease Prevention, Therapeutic Strategies

Introduction

The human microbiome, consisting of trillions of microorganisms residing in and on our bodies, plays a crucial role in regulating immune responses. Recent studies have highlighted the intricate interactions between the microbiome and the immune system, which are essential for maintaining health and preventing disease. This article provides an overview of the current understanding of microbiome-immune interactions, discussing their potential implications for disease prevention and treatment. The authors also explore recent advances in microbiome research and their impact on the development of new therapeutic strategies.

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References

1. Бакърджиев, И., Игнатова, И., Гешева, Д., Стефанова, К., & Георгиева, В. БИОФЛАВОНОИДИ В КОЗМЕТИКАТА.