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营养与肠道微生物的相互作用在人类健康中的应用及影响

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## 摘要

人类和地球的微生物组是认识和预防疾病的最重要的生物媒介之一。技术的快速发展，为跨区域、跨时空的高通量分析微生物组成和功能提供了条件。生物信息学家和生物统计学家正在开发更多简洁的显示技术，以了解所生成的巨大数据集。随着技术进步，搜索引擎的虚拟网络基础设施以致交叉引用飞速发展的数据正在涌现。营养学将获得这一新领域的优势，在维护地球和人类健康中的作用将变得更加明晰。在这份报告中，我们重点介绍2013年举行的ASPEN主办的临床营养周中的一些论题，探讨人类微生物对人类健康和疾病的重要性。