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Titolo	The Human Microbiota : How Microbial Communities Affect Health and Disease
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Descrizione fisica	1 online resource (378 p.)
Disciplina	579 616.9041
Soggetti	Human body - Microbiology Human body -- Microbiology Microorganisms Metagenome Human Body Host-Pathogen Interactions Biology Health & Biological Sciences Microbiology & Immunology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	The NIH human microbiome project -- Methods for characterizing microbial communities associated with the human body -- Phyloarrays -- Mathematical approaches for describing microbial populations : practice and theory for extrapolation of rich environments -- Tension at the border : how host genetics and the enteric microbiota conspire to promote Crohn's disease -- The human airway microbiome -- Microbiota of the mouth : a blessing or a curse? -- Microbiota of the genitourinary tract -- Functional structure of intestinal microbiota in health and disease -- From fly to human : understanding how commensal microorganisms influence host immunity and health -- Insights into the human microbiome from animal models -- To grow or

not to grow : isolation and cultivation procedures in the genomic age
-- New approaches to cultivation of human microbiota -- Manipulating the indigenous microbiota in humans : prebiotics, probiotics, and symbiotics.

Sommario/riassunto

The Human Microbiota offers a comprehensive review of all human-associated microbial niches in a single volume, focusing on what modern tools in molecular microbiology are revealing about human microbiota, and how specific microbial communities can be associated with either beneficial effects or diseases. An excellent resource for microbiologists, physicians, infectious disease specialists, and others in the field, the book describes the latest research findings and evaluates the most innovative research approaches and technologies.

Perspectives from pioneers in human microbial ecology