Record Nr. UNINA9910627295003321 The human microbiota and microbiome / / edited by Julian R. Marchesi Titolo : Rachel Cutts, commissioning editor : Shankari Wilford, production editor; contributors Erika Bengtson [and thirty seven others] Wallingford, England;; Boston, Massachusetts:,: CABI,, 2014 Pubbl/distr/stampa ©2014 **ISBN** 1-78064-409-4 Descrizione fisica 1 online resource (207 p.) Collana Advances in Molecular and Cellular Microbiology;; 25 Disciplina 579 Soggetti Microbiology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di contenuto Contents; Contributors; 1 The Stomach and Small and Large Intestinal Microbiomes; 2 The Oral Microbiome; 3 The Human Urogenital Microbiome; 4 The Lung Microbiome; 5 The Human Skin Microbiome; 6 Function of the Human Gut Microbiota; 7 Models of the Human Microbiota and Microbiome In Vitro: 8 In Vivo and Animal Models of the Human Gut Microbiome; 9 The Gut Microbiota in Health and Disease; 10 Next-generation Sequencing Methods to Investigate the Human Microbiome; 11 Metabonomics for Understanding Gut Microbiome and Host Metabolic Interplay; Index; A; B; C; D; E; F; G; H; I; K; L; M; N; O; P; Q RS; T; U; V; Z Sommario/riassunto Thousands of different microbial species colonize the human body, and are essential for our survival. This book presents a review of the current understanding of human microbiomes, the functions that they bring to the host, how we can model them, their role in health and disease and the methods used to explore them. Current research into areas such as the long-term effect of antibiotics makes this a subject of considerable interest. This title is essential reading for researchers and students of microbiology.