Record Nr. UNINA9910789362403321 The human microbiome, diet, and health: workshop summary / / Leslie **Titolo** Pray, Laura Pillsbury, and Emily Tomayko, Rapporteurs; Food Forum, Food and Nutrition Board, Institute of Medicine of the National Academies Pubbl/distr/stampa Washington, District of Columbia:,: National Academies Press,, [2013] ©2013 **ISBN** 0-309-26588-6 0-309-26586-X Descrizione fisica 1 online resource (198 p.) 579 Disciplina Soggetti Human body - Microbiology Diet Food - Microbiology Human beings - Nutrition Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Nota di contenuto Introduction -- Study of the human microbiome -- Interaction between the microbiome and health and environment -- Influence of the microbiome on the metabolism of diet and dietary components --Influence of diet and dietary components on the microbiome --Societal and policy implications -- Possibilities for the future. "The Food Forum convened a public workshop on February 22-23, Sommario/riassunto 2012, to explore current and emerging knowledge of the human microbiome, its role in human health, its interaction with the diet, and the translation of new research findings into tools and products that improve the nutritional quality of the food supply. The Human Microbiome, Diet, and Health: Workshop Summary summarizes the presentations and discussions that took place during the workshop. Over the two day workshop, several themes covered included: 1) The microbiome is integral to human physiology, health, and disease; 2) The microbiome is arguably the most intimate connection that humans

have with their external environment, mostly through diet; 3) Given the emerging nature of research on the microbiome, some important methodology issues might still have to be resolved with respect to undersampling and a lack of causal and mechanistic studies; 4) Dietary interventions intended to have an impact on host biology via their impact on the microbiome are being developed, and the market for these products is seeing tremendous success. However, the current regulatory framework poses challenges to industry interest and investment"--Publisher's description.