Record Nr. UNINA9910877087403321 Microbes and evolution: the world that Darwin never saw / / edited by **Titolo** Roberto Kolter and Stanley Maloy Pubbl/distr/stampa Washington, D.C., : ASM Press, c2012 **ISBN** 1-68367-073-6 1-55581-847-1 Descrizione fisica 1 online resource (314 p.) Altri autori (Persone) KolterRoberto <1953-> MaloyStanley R Disciplina 571.8/92 Soggetti Microorganisms - Evolution Bacteria - Evolution Evolution (Biology) 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 and index. ""Cover""; ""Half Title""; ""Title Page""; ""Copyright""; ""Contents""; Nota di contenuto ""Contributors""; ""Preface""; ""Introduction: Darwin and Microbiology""; ""Chapter 1. Evolution in Action: A 50, 000-Generation Salute to Charles Darwin"; ""Chapter 2. Minimal Genomes and Reducible Complexity""; ""Minimal Cells: from Aristotle to Plato""; ""Naturally Evolved Reduced Genomes""; ""The Flagellum of a Bacterial Endosymbiont: A Case against Intelligent Design""; ""Chapter 3. Lady Lumpsa€?s Mouthguard""; ""Chapter 4. Trying To Make Sense of the Microbial Census""; ""Chapter 5. The View from Below"" ""Chapter 6. Running Wild with Antibiotics""""Chapter 7. Antibiotic Resistance""; ""What Are Antibiotics and How Do They Work?""; ""Some Bacteria Are Naturally Resistant to Particular Antibiotics""; ""How Susceptible Bacteria Become Resistant to Antibiotics""; ""Target-Focused Resistance Mechanisms""; ""Drug-Focused Resistance Mechanisms"": ""What Has Antibiotic Use Taught Us about Natural Variation, Selection, and Evolution of Bacteria?""; ""Where Do We Stand Today?""; ""Chapter 8. Bacteria Battling for Survival""; ""Chapter 9. Phage: An Important Evolutionary Force Darwin Never Knew""

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