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Titolo	People, parasites, and plowshares : learning from our body's most terrifying invaders // Dickson D. Despommier ; foreword by William C. Campbell
Pubbl/distr/stampa	New York : , : Columbia University Press, , 2013
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Descrizione fisica	1 online resource (241 p.)
Altri autori (Persone)	CampbellWilliam
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Note generali	Description based upon print version of record.
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Nota di contenuto	This new house : Trichinella spiralis -- Hooked on parasites : Ancylostoma duodenale and Necator americanus -- Houdini's nefarious cousins : the trypanosomes, the schistosomes, and the lymphatic filariae -- A parasite for all seasons : Toxoplasma gondii -- The unholy trinity : Ascaris lumbricoides, Trichuris trichiura, and the hookworms -- The long and the short of it : tapeworms - Taenia saginata, Taenia solium, Diphyllbothrium latum, Echinococcus granulosus, and Echinococcus multilocularis -- All's well that ends well : Dracunculus medinensis -- Nature has all the answers. What's your question?.
Sommario/riassunto	Dickson D. Despommier's vivid, visceral account of the biology, behavior, and history of parasites follows the interplay between these fascinating life forms and human society over thousands of years. Despommier focuses on long-term host-parasite associations, which have evolved to avoid or even subvert the human immune system. Some parasites do great damage to their hosts, while others have signed a kind of "peace treaty" in exchange for their long lives within them. Many parasites also practice clever survival strategies that medical scientists hope to mimic as they search for treatments for

Crohn's disease, food allergies, type 1 diabetes, organ transplantation, and other medical challenges. Despommier concentrates on particularly remarkable and often highly pathogenic organisms, describing their lifecycles and the mechanisms they use to avoid elimination. He details their attack and survival plans and the nature of the illnesses they cause in general terms, enabling readers of all backgrounds to steal a glimpse into the secret work of such effective invaders. He also points to the cultural contexts in which these parasites thrive and reviews the current treatments available to defeat them. Encouraging scientists to continue to study these organisms even if their threat is largely contained, Despommier shows how closer dissection of the substances parasites produce to alter our response to them could help unravel some of our most complex medical conundrums.
