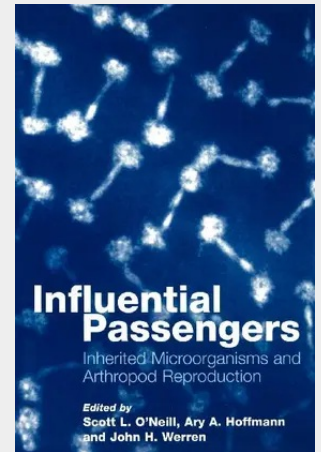


Influential Passengers

Inherited Microorganisms and Arthropod Reproduction

The vast majority of animals have intimate associations with bacteria that live inside them, sometimes as parasites, but often, as with gut flora, essential to their very existence. Recently, attention has been drawn to a class of bacteria that have profound implications for the evolution and ecology of the hosts they infect - bacteria that can manipulate their host's reproduction. So far, research has focused on invertebrates. This is the first comprehensive and systematic review of the activities of these reproductive parasites. It explores not only the intriguing theoretical questions raised by the relationships between symbiotic bacteria and their hosts, but also discusses a number of exciting practical applications, such as the potential for controlling disease-transmitting insects. Chapters on sex reversal, sex-ratio distortion, and evolution are included. This is a timely and up-to-the-minute exploration of a new, exciting, and rapidly expanding area of biology.

Interest in the way in which symbiotic bacteria can manipulate reproduction in their invertebrate hosts has risen rapidly in recent years. Discoveries have ranged from bacteria that can determine the likelihood of their fruitfly hosts finding a partner to mate with to bacteria infecting woodlice that can cause sex changes in offspring. This unique book is the first comprehensive and systematic review of the 'reproductive parasites'. Written by leading experts in the field, it explores not only the intriguing theoretical questions raised by the relationships between symbiotic bacteria and their hosts, but also discusses a number of exciting practical applications, such as potential for controlling the reproduction of disease transmitting insects. Chapters on sex reversal, sex-ratio distortion, and evolution are also included. This timely and up-to-date volume will be important reading for researchers and students in the fields of entomology, evolution, ecology, genetics, and microbiology.



103,20 €

103,20 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780198501732

Medium: Buch

ISBN: 978-0-19-850173-2

Verlag: OUP Oxford

Erscheinungstermin: 09.10.1997

Sprache(n): Englisch

Auflage: Erscheinungsjahr 1997

Produktform: Kartoniert

Gewicht: 354 g

Seiten: 226

Format (B x H): 156 x 234 mm

