Antibiotics: present and future

Drug resistance of bacteria and other microbes is a world-wide medical problem in the human population. A new technology is needed to provide drugs that can easily attack several targets in bacteria and other microbes and will be stable for longer periods of time in humans than currently available drugs. Such a technology can be provided immediately and potential therapeutic compounds are very active in laboratory cultures against several bacteria and the malaria parasite, Plasmodium falciparum. The molecular structure of the new compounds contains a RNA-like molecule and is much larger than traditional drugs.