

Principles of Evolution

Systems, Species,
and the History of Life

Principles of Evolution is a concise textbook on the scientific study of evolution with an innovative systems biology perspective. There is a particular focus on the protein networks that drive developmental change and physiological function, showing how DNA mutation leads to anatomical variants and the speed with which evolutionary change can happen. Although the reader is assumed to have a fair amount of biological knowledge, little mathematics is needed as the core conclusions of evolutionary population genetics are given and used rather than derived. With extensive references, this account of the fossil, phylogenetic, and evo-devo evidence for evolution will be of interest to all biologists from final year undergraduates upwards.

www.garlandscience.com



Garland Science
Taylor & Francis Group

ISBN 978-0-8153-4539-8



9 780815 345398