



Structural and Evolutionary Genomics: Natural Selection in Genome Evolution (New Comprehensive Biochemistry)

Giorgio Bernardi

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Structural genomics is the study of the DNA of living organisms. Evolutionary genomics is the study of the history of the genome. These subjects are closely interlinked. They are approached in this book using as a guideline the investigations carried out in the author's laboratory, relevant literature is critically reviewed and some general conclusions are presented. The author and his collaborators have studied a vast number of genomes, ranging from prokaryotes to human, using different approaches, including physical chemistry of DNA, viral integration and molecular cytogenetics. As the subtitle indicates the book discusses the fundamental importance of natural selection in shaping genomes. In terms of numbers, neutral and nearly neutral mutations represent most mutations, but a "regional" control is exerted by natural selection (essentially negative or purifying selection). A "neo-selectionist" model is proposed for genome evolution.

- Summarizes the existing knowledge on genome organization and evolution in a self-contained book
- Discusses important open problem, without refraining from criticism whenever appropriate

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The book untitled Structural and Evolutionary Genomics: Natural Selection in Genome Evolution (New Comprehensive Biochemistry) contain a lot of information on the idea. The writer explains her idea with easy technique. The language is very straightforward all the people, so do not really worry, you can easy to read this. The book was authored by famous author. The author provides you in the new time of literary works. It is possible to read this book because you can keep reading your smart phone, or gadget, so you can read the book inside anywhere and anytime. If you want to buy the e-book, you can available their official web-site as well as order it. Have a nice read.

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