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G. Wadhwa, P. Shanmughavel, A. K. Singh, J. R. Bellare (Eds)

Current trends in Bioinformatics: An Insight


H. Mamitsuka (Ed)

Data Mining for Systems Biology

Methods and Protocols

This fully updated book collects numerous data mining techniques, reflecting the acceleration and diversity of the development of data-driven approaches to the life sciences. [...] 2018. XI, 243 p. 95 illus., 86 illus. in color. (Methods in Molecular Biology, Volume 1807) Hardcover € 139,99 | £ 119,99 € (D) 149,79 | € (A) 153,99 | *CHF 154.00 ISBN 978-1-4939-8560-9

H. Christensen (Ed)

Introduction to Bioinformatics in Microbiology

This textbook introduces to the basic concepts of bioinformatics and enhances students’ skills in using software and tools relevant for investigations in microbiology. The most relevant methods to analyze data are shown and readers are introduced on how to draw valid conclusions based on the results obtained. [...] 2018. X, 210 p. 108 illus., 92 illus. in color. (Learning Materials in Biosciences) Softcover € 74,99 | £ 64,99 € (D) 80,24 | € (A) 82,49 | *CHF 82.50 ISBN 978-3-319-99279-2

J. H. Kim

Genome Data Analysis

This textbook describes recent advances in genomics and bioinformatics and provides numerous examples of genome data analysis that illustrate its relevance to real world problems and will improve the reader’s bioinformatics skills. [...] 2018. X, 313 p. 211 illus., 186 illus. in color. (Learning Materials in Biosciences) Softcover € 109,99 | £ 99,99 € (D) 117,69 | € (A) 120,99 | *CHF 121.00 ISBN 978-981-13-1941-9
This detailed volume provides thorough protocols describing how to use genetics to study mouse and zebrafish erythropoiesis in whole animal models and for genetically manipulating cultured mouse and human erythroid cells. Protocols include strategies to analyze circulating red blood cell parameters, as well as progenitor cell status, stage of differentiation, and enucleation.

2018. XI, 298 p. 62 illus., 55 illus. in color. (Methods in Molecular Biology, Volume 1698) Hardcover

Humana Press
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M. G. Alves, P. F. Oliveira (Eds)

Sertoli Cells
Methods and Protocols

This detailed volume explores the use of Sertoli cells as models in male reproductive biology or as supporters for other cell types, and it answers the need for standardized protocols for their in vitro culture. [...] 2018. XIII, 297 p. 49 illus., 37 illus. in color. With online files/update. (Methods in Molecular Biology, Volume 1748) Hardcover

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M. Baratta (Ed)

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H. Lambers (Ed)

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G. Humphries, D. Magness, F. Huettmann (Eds)

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C. Sivaperuman, K. Venkataraman (Eds)

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This book offers a comprehensive account of India’s four biodiversity hotspots: the Himalaya, Indo-Burma, Western Ghats and Sri Lanka and Andaman and Nicobar Islands. With a focus on tropical rainforests, it includes more than 30 chapters covering different vertebrate fauna e.g. fishes, amphibians, reptiles, birds, and mammals, as well as topics such as conservation and management aspects. [...] 2018. XIV, 354 p. 77 illus., 56 illus. in color. Hardcover
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This book provides a general overview of the natural landscapes and vegetation types of the U.S., the key plant species that help define them, the pressures faced by natural ecosystems and the imperative for conservation and restoration. It addresses the policies that have been introduced to manage healthy ecosystems and the practical progress that is being made in restoration. [...]
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I. Popov

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Nature offers abundant renewable resources that can be used to partially replace fossil fuels and commodity chemicals but issues of cost, technology readiness levels, and compatibility with existing distribution networks remain huge challenges. Cellulosic ethanol and biodiesel are the most immediately obvious target fuels, with hydrogen, methane and butanol as other potentially viable products.

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Virology, a branch of biological science was developed with the discovery of Tobacco mosaic virus in 1898. Viruses are known to infect all sorts of living organism and those known to be restricted within plant kingdom are referred as plant viruses. [...] 2018. XV, 1485 p. 2000 illus., 1600 illus. in color. Hardcover
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S. M. Zargar, M. Y. Zargar (Eds)

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J. L. Schiff

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ISBN 978-3-319-97363-0
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