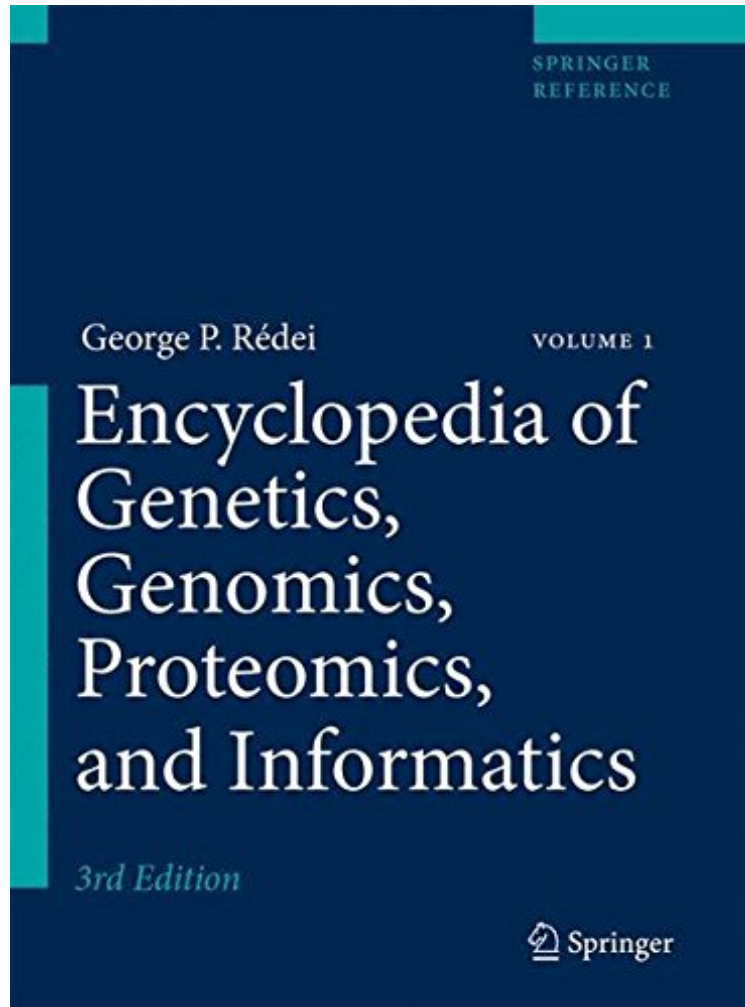


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George P. Rdei

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This new third edition updates a best-selling encyclopedia. It includes about 56% more words than the 1,392-page second edition of 2003. The number of illustrations increased to almost 2,000 and their quality has improved by design and four colors. It includes approximately 1,800 current databases and web servers. This encyclopedia covers the basics and the latest in genomics, proteomics, genetic engineering, small RNAs, transcription factories, chromosome territories, stem cells, genetic networks, epigenetics, prions, hereditary diseases, and patents. Similar integrated information is not available in textbooks or on the Internet.

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consistency of approach and avoid redundancy and yet still attain impressive breadth and depth in a compact reference." BOOKWORKZ (2004, Internet): "incomparable reference...thorough coverage of modern genetics, genomics, and proteomics". E-STREAMS (2004, 7[1]:2969): "This is a highly useable item and provides effective and efficient access to relevant topics." THE SCIENCE ADVISORY BOARD (2004, Internet): "...the best got even better. This book is indispensable as a reference for research universities, for high schools, for public libraries, and because of the relatively modest price (discounts available) it is affordable for individuals too." BIOSpektrum (2004), 10:653. "...it is truly wonderful"...Most students, scientists, all geneticists, including human geneticists, the general public interested in natural sciences, teachers and journalists can benefit from it to a great degree. It is a must for larger biological libraries!" (translated from German). CLINICAL CHEMISTRY (2004, 50:1719-1720.) "...the book has an encyclopedic quality, far surpassing a dictionary." "...many readers will find themselves engrossed in this fascinating book."... "This is a wonderful book..." PROTEOMICS (2004, 4: 544-545). "Once you start reading this book it is difficult to put down. It is a valuable source of such a breadth of information that would surely be difficult to find elsewhere." "... a highly recommended one-stop resource for medics, grad students and researchers." GENETIC ENGINEERING NEWS (2004, 24(6), March 15). "...genomics and post-genomics terms, including concepts, theories, and applications, explained concisely for novices and comprehensive enough for those with expertise." REFERENCE REVIEWS (2004, 18 [62004]:43-44). "excellent volume"... "is a readable, accessible, well thought out and extremely useful reference book." MICROBE MAGAZINE (Amer. Soc. Microbiol.) May 2004: "It is impressive that a single author can put together a dictionary of this size and make it useful to the general scientific reader." "Rdeis definitions are accurate" "Rdei is a clear winner." THE CHEMICAL EDUCATOR (2005, 10 (6):56-57). "Rdei has eminently succeeded in attaining his goal." "Numerous cross-references link the short entries into a most encyclopedic, up-to-date text."..."gold mine of valuable...information." MEDICAL REFERENCE SERVICES QUARTERLY (2006, 25(1):104). "...high quality reference book..." ..."this is the most comprehensive..." In addition to genetics, genomics, and proteomics... includes biochemistry, immunology, developmental biology and molecular evolution as well as hereditary diseases."