The biochemistry of the Nucleic Acids // 410 pages // 9780323151597 // Elsevier, 2012 // J.N. Davidson // 2012

Nucleic acids in chemistry and biology. Michael Blackburn, Michael Gait, David Loakes and David Williams (eds) Cambridge, UK: The Royal Society of Chemistry | 2006 | 470pp | ISBN 9780854046546. Reviewed by Richard Bowater. Through the DNA double helix, the structures of nucleic acids touch the scientific consciousness of scientists involved in many aspects of contemporary biological science.Â In summary, this book provides an excellent overview of the chemistry and biology of nucleic acids, at a level that is suitable for use in university teaching, but with enough detail to be useful as a reference source for chemists, biochemists and biologists involved in current research of nucleic acids. Start by marking â€œThe Biochemistry of the Nucleic Acidsâ€ as Want to Read: Want to Read savingâ€¦ Want to Read. Currently Reading. Read. The Biochemistry of th by James Norman Davidson. Other editions.Â James Norman Davidson CBE PRSE FRS was a Scottish biochemist, pioneer molecular biologist and textbook author. The Davidson Building at Glasgow University is named for him. Books by James Norman Davidson. Moreâ€¦ News & Interviews. Goodreads Members Suggest: Favorite Winter Reads. This year, we've all got more reason than usual to hunker down inside during the coldest months. Thankfully, those teetering WTR stacks can Read more 44 likes Â· 41 comments. Trivia About The Biochemistry No trivia or quizzes yet. Add some now Â». The book describes the occurrence and biological functions of nucleic acids, their chemical constituents, and catabolism. This text is organized into 14 chapters and begins with a historical overview, from the discovery of the nucleic acids to their isolation and characterization. The discussion then shifts to bacterial transforming factors and transduction phenomena, along with the genetic function and metabolic stability of DNA, the chemical composition of the cell nucleus, and the Feulgen nucleal reaction. The reader is methodically introduced to the structure and biosynthesis of RNA and DN Nucleic acids are the biopolymers, or large biomolecules, essential to all known forms of life. The term nucleic acid is the overall name for DNA and RNA. They are composed of nucleotides, which are the monomers made of three components: a 5-carbon sugar, a phosphate group and a nitrogenous base. If the sugar is a compound ribose, the polymer is RNA (ribonucleic acid); if the sugar is derived from ribose as deoxyribose, the polymer is DNA (deoxyribonucleic acid). The book describes the occurrence and biological functions of nucleic acids, their chemical constituents, and catabolism. This text is organized into 14 chapters and begins with a historical overview, from the discovery of the nucleic acids to their isolation and characterization. The discussion then shifts to bacterial transforming factors and transduction phenomena, along with the genetic function and metabolic stability of DNA, the chemical composition of the cell nucleus, and the Feulgen nucleal reaction. The reader is methodically introduced to the structure and biosynthesis of RNA and DN