



Bioscience at the Physical Science Frontier: Proceedings of a Foundation Symposium on the 150th Anniversary of Alfred Nobel's Birth

By Claudio A. Nicolini

Humana Press Inc., United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.Since early Greek and Roman times, atoms were assumed-after undergoing their various interactions-to take on the stable configurations of either the living or the inanimate world. This simple and unitary theory has evolved markedly, even while maintaining its validity over several centuries of vicissitudes, and in essence constitutes the first example of a synthesis between the physical and the life sciences. In modern times, a similar relationship between the structure of various macromolecules and the function of living cells has also emerged as one of the most striking findings of those scientists active at the convergence of the physical and life sciences. This fundamental result is reported in the first two sections of the present work, namely those on Oncogenes and Cancer and Lower-to-Higher-Order DNA Structure, in many cases by those recent Nobelists who themselves have been major contributors to work at the intersection of these fields. Many other significant areas of forefront scientific inquiry today (for example, research on the brain and vision), as well as some of the most...



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