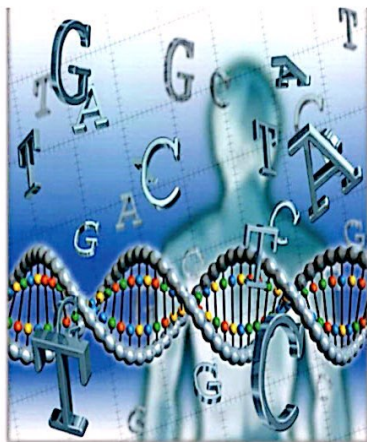


Medical and Molecular Biology

MEDICAL BIOLOGY

NEBRAS RADA MOHAMMED

Molecular biology was first used in 1938 by Warren Weaver. As director of the natural sciences section of the Rockefeller Foundation, he advocated that financial support be given to this new branch of science- a new biology-Molecular Biology'. By the time biochemists began to discover many fundamental intracellular chemical reactions and to appreciate the importance of specific reactions and of protein structure in defining the numerous properties of cells. www.lulu.com ISBN 978-1-7676-186-70 Imprint: Lulu.com



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**Nebras Rada Mohammed Hassan
AL-Turath University**

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Welcome to Medical Biology and Molecular Biology

Goals of Medical Biology and Molecular Biology

The ultimate goal of medical biology and molecular biology is ambitious: to understand the five basic cell behavior patterns (growth, division, movement, specialization and molecular genetics) in terms of the various molecules that are responsible for them.

That is, medical biology and molecular biology wants to generate a complete description of the structure, function and interrelationships of the cells macromolecules and thereby to understand why living cells behave the way they do.

Significant discoveries are emerging from research laboratories nearly every day and the front pages of national newspapers frequently herald exciting announcements of the identification of disease-causing genes or promising biotechnology products or new agricultural processes.

The early years

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Although DNA was first described in 1869 by F. Miescher, its significance to cell function and the definitive proof that it is responsible for inherited traits did not come until almost a century later. The experimental evidence that led to the assignment of genes to DNA depended heavily on the use of bacteria and their viruses.

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