

DNA model structure

James Watson and Francis Crick created the 3D model of double helical DNA. 1962, the Nobel Prize in Physiology or Medicine was awarded to them along with Maurice Wilkins.

Chargaff's rule

Erwin Chargaff concluded that the same nucleotides do not repeat in the same order and the amount of $A=T$; $G=C$

Nucleic acid Bases

Albrecht Kossel isolated adenine (A), cytosine (C), guanine (G), thymine (T) and uracil (U). 1910, Nobel Prize in Physiology or Medicine was awarded.

1952

Photograph 51

Raymond Gosling under the supervision of Maurice Wilkins and Rosalind Franklin obtained X-Ray diffraction image of A-DNA (under low humidity) and B-DNA (at higher humidity).

1950

Polynucleotide model

Phoebus Levene proposed that nucleic acids were composed of a series of nucleotides and each nucleotide is composed of nitrogen-containing bases, a sugar molecule, and a phosphate group.

1919

1881

Polynucleotide model

Phoebus Levene proposed that nucleic acids were composed of a series of nucleotides and each nucleotide is composed of nitrogen-containing bases, a sugar molecule, and a phosphate group.

1869

Nuclein / Nucleic acid

Friedrich Miescher identified 'Nuclein'. 1889, Richard Altmann renamed 'nuclein' as a 'nucleic acid'.

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Rachel Sandford



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