

NOBEL PRIZES

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The Nobel Prizes for literature, physics, Chemistry, Medicine and peace were founded under the terms of the will of Alfred Bernhard Nobel (1833~1896), Swedish inventor. The first awards were made in 1901, Each award Consists of a medal in gold and a sum of money, which originally amounted to \$40,000 but which has fluctuated over the years. In 1963 it amounted to the equivalent of \$51,000.

Winners of Nobel Prizes (Physiology or Medicine)

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|-----------|--------------------------------|-------------|----------|---------------------------------------------------------------|
| 1901 | Emil Von Behring | (1854-1917) | German | Serum Therapeutics |
| 1902 | Sir Ronald Ross | (1857-1932) | Esnihigh | Malaria from mosquito to human |
| 1903 | Niels Ryberg Finsen | (1860-1904) | Danish | Light treatment in disease, especially skin diseases. |
| 1904 | Ivan Petrovich Pavlov | (1849-1936) | Russian | Physiology of digestion |
| 1905 | Robert Koch | (1843-1910) | German | Founded Scientific bacteriology and bacterial cultures |
| 1906 | Camillo Golgi | (1843-1926) | Italian | Structure of Nervous system |
| | Santiago Ramony Cajal | (1852-1934) | Spanish | |
| 1907 | Charles Louis Alphonse Laveran | (1845-1922) | French | Protozoans as irritants of disease (trypanosomes, etc.) |
| 1908 | Paul Ehrlich | (1854-1915) | German | Immunity |
| | Elie Metchnikoff | (1845-1916) | Russian | |
| 1906 | Emil Theoder Kocher | (1841-1917) | Swiss | Physiology, Pathology and Surgery of thyroid gland |
| 1910 | Albrecht Kossel | (1853-1927) | German | Cellular chemistry, especially albumin and nuclein substances |
| 1911 | Allver Gullstrand | (1862-1930) | Swedish | Dioptrics of the eye |
| 1912 | Alexis Carrel | (1873-1944) | French | Vascular seams and organ and blood vessel transplatation |
| 1913 | Charles Richet | (1850-1935) | French | Anaphylactic test |
| 1914 | Robert B'ar'any | (1876-1936) | Austrian | Physiology and Pathology of human vestibular apparatus |
| 1915~1918 | (No award.) | | | |
| 1919 | Jules Bordet | (1870-) | Belgian | Discoveries in the realm of immunity |
| 1920 | August Krogh | (1874-1949) | Danish | Capillary-Motoric Mechanism of regulation. |

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| 1921 | (No award) | | | |
| 1922 | Archibald Vivian Hill | (1886-) | English | Discovery relating to the heat production of muscles |
| | Otto Meyerhof | (1884-1951) | German | |
| | Discovery of Correlation between Consumption of oxygen and production of lactic acid in muscles | | | |
| 1923 | Sir Frederick Grant Banting | (1891-1941) | Canadian | "Insulin" |
| | J.J. R. Macleod | (1876-1935) | Scotch | |
| 1924 | Willem Einthoven | (1860-1927) | Dutch | Mechanism of the electro-cardiograph |
| 1925 | (No award) | | | |
| 1926 | Johannes Andreas Grib | (1867-1928) | Danish | Discovery of spiroptera carcinoma |
| 1927 | Julius Wagner-Jauregg | (1857-1940) | Austrian | Therapeutic importance of malaria Vaccination in dementia paralytica |
| 1928 | Charles Nicolle | (1866-1936) | French | Typhus Exanthematicus |
| 1929 | Christiaan Fijkman | (1858-1930) | Dutch | Antineuritic Vitamins |
| | Sir Frederick Hopkins | (1861-1947) | English | |
| | Growth-promoting Vitamins | | | |
| 1930 | Karl Landsteiner | (1868-1943) | U. S. | Human Blood Groups |
| 1931 | Otto Heinrich Warburg | (1883-) | German | Respiratory ferment |
| 1932 | Edgar Douglas Adrian | (1889-) | English | Function of the Neurone |
| | Sir Charles Scott Sherrington | (1857-1952) | English | |
| 1933 | Thomas Hunt Morgan | (1866-1945) | U. S. | Hereditary functions of Chromosomes |
| 1934 | George Richards Minot | (1885-1950) | U. S. | Liver therapy of anaemia |
| | Willaim Parry Murphy | (1892-) | U. S. | |
| | George Hoyt Whipple | (1878-) | U. S. | |
| 1935 | Hans Spemann | (1869-1941) | German | Embryonic development |
| 1936 | Sir Henry Hallett Dale | (1875-) | English | Chemical transmission of Nerve impulses |
| | Otto Loewi | (1873-) | German | |
| 1937 | Albert Von Szent-Gyorgyi Von Nagyrpolf | (1893-) | Hungarian | Biological combustion, especially Vitamin C and Catalysis of fumaricacid |
| 1938 | Corneille Heymans | (1892-) | Belgian | Regulation of respiration |
| 1939 | Gerhard Domagk | (1895-) | German | Antibacterial effect of prontosil (declined award) (By Hitler's decree) |
| 1940~1942 | (No award) | | | |

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| 1943 | Edward Adelbert Doisy (1893-) Henrik Dam (1895-) | U. S. Danish | Research into and discovery of Vitamin K |
| 1944 | Joseph Erlanger (1874-) Herbert Spencer Gasser (1888-) | U. S. U. S. | Differentiation of Nerves |
| 1945 | Sir Alexander Fleming (1881-1955) Ernst Boris Chain (1906-) Sir Howard Florey (1898-) | English British cit. English | Discovery of penicillin Development of penicillin |
| 1946 | Hermann J. Muller (1890-) | U. S. | Heredity effects of X-rays |
| 1947 | Carl F. Cori (1896-) Gerty T. Cori (1896-1957) Bernardo A. Houssay (1887-) | U. S. U. S. Argentine | Isolation of enzyme irritating Convesion of animal starch into suger Pituitary Hormone function |
| 1948 | Paul Mueller (1899-) | Swiss | Properties of DDT |
| 1949 | Walter Rudolf Hess (1881-) Antonio Egas Moniz (1874-1955) | Swiss Portuguese | Functions of Middle Brain Prefrontal Leucotomy |
| 1950 | Philip S. Hench (1896-) Edward C. Kendall (1886-) Tadeusz Reichstein (1897-) | U. S. U. S. Swiss | Work wltH Cortisone and Other Adrenal Hormones |
| 1951 | Max Theiler (1899-) | South African | Discoveries concerning Yellow Fever |
| 1952 | Selman A. Waksman (1888-) | U. S. | Codiscovery of Streptomycin |
| 1953 | Fritz Albert Lipmann (1899-) Hans Adolph Krebs (1900-) | German-U.S. German-English | Discovery of co-enzyme A Development of so-called Krebs or citric acid cycle |
| 1954 | John F. Enders (1897-) Thomas H. Weller (1915-) Frederick C. Robbins (1916-) | U. S. U. S. U. S. | Discovery that poliomyelitis Viruses multiply in human tissue |
| 1955 | Axel Hugo Theorell (1903-) | Swedish | Discoveries relating to Nature and Action of oxidation enzymes |
| 1956 | Werner Forssmann (1904-) Dickinson W. Richards (1895-) Andre' F. Cournand (1895-) | German U. S. U. S. | Techniques in heart diagnosis and treatment |
| 1957 | Daniel Bovet (1907-) | Italian | Development of refined synthetic Curare and of antihistamines |
| 1958 | George Wells Beadle (1903-) Joshua Lederberg (1925-) Edward Lawrie Tatum (1909-) | U. S. U. S. U. S. | Work in Genetics and Heredity |

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| 1959 | Severo Ochoa (1905-) Arthur Kornberg (1918-) | U. S. U. S. | Discovery of enzymes for producing nucleic acids artificially |
| 1960 | Sir Macfarlane Burnet (1899-) Peter B. Medawar (1915-) | Australian British | Research in transplanting human Organs. |
| 1961 | Georg Von B'ek'esy (1899-) | U. S. | Demonstrating how the distinguishes between Various Sounds |
| 1962 | James D Watson (1928-) Francis H Crick (1916-) Maurice H. F. Wiekins (1916-) | U. S. British British | Nucleic acid |
| 1963 | Alan Lloyd Hodgkin (1914-) Andrew Fielding Huxzey (1917-) Sir John Carew Eccles (1903-) | U. S. English Australian | Analyzing the functions of nerve cells in transmitting impulses a long a nerve fibre |

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