

Nobel Prizes in Physiology & Medicine

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| NOBEL PRIZE PHYSIOLOGY AND MEDICINE | | | |
|-------------------------------------|---------------------------------|----------------------------|------------------------------------|
| YEAR | NAMES OF SCIENTISTS | NATIONALITY | TYPE OF PHYSIOLOGY/MEDICINE |
| 1901 | Behring, Emil Adolf von | German | disease treatment (diphtheria) |
| 1902 | Ross, Sir Ronald | British (b. Almara, India) | disease treatment (malaria) |
| 1903 | Finsen, Niels Ryberg | Danish | disease treatment (lupus vulgaris) |
| 1904 | Pavlov, Ivan Petrovich | Russian | digestion |
| 1905 | Koch, Robert | German | disease treatment (TB) |
| 1906 | Golgi, Camillo | Italian | nervous system |
| 1906 | Cajal, Santiago Ramon y | Spanish | nervous system |
| 1907 | Laveran, Charles Louis Alphonse | French | disease treatment (protozoa) |
| 1908 | Mechnikov, Ilya Ilyich | Russian | immunity |
| 1908 | Ehrlich, Paul | German | immunity |
| 1909 | Kocher, Emil Theodor | Swiss | metabolism (thyroid gland) |
| 1910 | Kossel, Albrecht | German | proteins/nucleic acids |
| 1911 | Gullstrand, Allvar | Swedish | visual system |
| 1912 | Carrel, Alexis | French-American | blood vessels |
| 1913 | Richet, Charles Robert | French | anaphylaxis |
| 1914 | Barany, Robert | Austrian | vestibular apparatus |
| 1915 | no prize awarded | N/A | N/A |
| 1916 | no prize awarded | N/A | N/A |
| 1917 | no prize awarded | N/A | N/A |
| 1918 | no prize awarded | N/A | N/A |
| 1919 | Bordet, Jules | Belgian | immunity |

| | | | |
|------|----------------------------------|----------------|---|
| 1920 | Krogh, Schack August Steenberger | Danish | blood vessels |
| 1921 | no prize awarded | N/A | N/A |
| 1922 | Hill, Sir Archibald Vivian Hill | British | metabolism (muscle) |
| 1922 | Meyerhof, Otto Fritz | German | metabolism (muscle) |
| 1923 | Banting, Sir Frederick Grant | Canadian | insulin |
| 1923 | Macleod, John James Richard | Scottish | insulin |
| 1924 | Einthoven, Willem | Dutch | techniques (electrocardiogram) |
| 1925 | no prize awarded | N/A | N/A |
| 1926 | Fibiger, Johannes Andreas Grib | Danish | Spiroptera carcinoma |
| 1927 | Wagner-Jauregg, Julius | Austrian | disease treatment (dementia paralytica) |
| 1928 | Nicolle, Charles Jules Henri | French | disease treatment (typhus) |
| 1929 | Eijkman, Christiaan | Dutch | vitamins |
| 1929 | Hopkins, Sir Frederick Gowland | British | vitamins |
| 1930 | Landsteiner, Karl | Austrian | human blood groups |
| 1931 | Warburg, Otto | German | respiratory enzyme |
| 1932 | Sherrington, Sir Charles Scott | British | neurons |
| 1932 | Adrian, Lord Edgar Douglas | British | neurons |
| 1933 | Morgan, Thomas Hunt | American | genetics (chromosomes) |
| 1934 | Whipple, George Hoyt | American | disease treatment (anaemia) |
| 1934 | Minot, George Richards | American | disease treatment (anaemia) |
| 1934 | Murphy, William Parry | American | disease treatment (anaemia) |
| 1935 | Spemann, Hans | German | embryonic development |
| 1936 | Dale, Sir Henry Hallet | British | nerve transmission |
| 1936 | Loewi, Otto | German | nerve transmission |
| 1937 | Szent-Gyorgi, Albert | Hungarian | vitamin C |
| 1938 | Heymans, Corneille Jean Francois | French-Belgian | respiration |
| 1939 | Domagk, Gerhard | German | antibiotics (prontosil) |
| 1940 | no prize awarded | N/A | N/A |
| 1941 | no prize awarded | N/A | N/A |
| 1942 | no prize awarded | N/A | N/A |
| 1943 | Dam, Henrik Carl Peter | Danish | vitamin K |
| 1943 | Doisy, Edward Adelbert | American | vitamin K |

| | | | |
|------|---------------------------------|------------------------|----------------------------------|
| 1944 | Erlanger, Joseph | American | nerve fibres |
| 1944 | Gasser, Herbert Spencer | American | nerve fibres |
| 1945 | Fleming, Sir Alexander | Scottish | antibiotics (penicillin) |
| 1945 | Chain, Sir Ernst Boris | German-British | antibiotics (penicillin) |
| 1945 | Florey, Lord Howard Walter | Australian | antibiotics (penicillin) |
| 1946 | Mueller, Hermann Joseph | American | mutations by x-rays |
| 1947 | Cori, Carl Ferdinand | Czech | glycogen metabolism |
| 1947 | Cori, Gerty Theresa nee Radnitz | Czech | glycogen metabolism |
| 1947 | Houssay, Bernardo Alberto | Argentinian | hormones |
| 1948 | Mueller, Paul Hermann | Swiss | DDT as insecticide |
| 1949 | Hess, Walter Rudolf | Swiss | nervous system |
| 1949 | Moniz, Antonio C. de A.F.E. | Portuguese | leucotomy |
| 1950 | Kendall, Edward Calvin | American | hormones (adrenal cortex) |
| 1950 | Reichstein, Tadeus | Polish-Swiss | hormones (adrenal cortex) |
| 1950 | Hench, Philip Showalter | American | hormones (adrenal cortex) |
| 1951 | Theiler, Max | South African-American | disease treatment (yellow fever) |
| 1952 | Waksman, Selman Abraham | Ukrainian | antibiotics (streptomycin) |
| 1953 | Krebs, Sir Hans Adolf | German-British | metabolism (citric acid cycle) |
| 1953 | Lipmann, Fritz Albert | German-American | metabolism (coenzyme A) |
| 1954 | Enders, John Franklin | American | disease treatment (polio) |
| 1954 | Weller, Thomas Huckle | American | disease treatment (polio) |
| 1954 | Robbins, Frederick Chapman | American | disease treatment (polio) |
| 1955 | Theorell, Axel Hugo Theodor | Swedish | metabolism (oxidation enzymes) |
| 1956 | Cournand, Andre Frederic | French-American | circulatory system |
| 1956 | Forssmann, Werner | German | circulatory system |
| 1956 | Richards, Dickinson Woodruff | American | circulatory system |
| 1957 | Bovet, Daniel | Swiss-Italian | vascular and skeletal systems |
| 1958 | Lederberg, Joshua | American | genetics (bacteria) |
| 1958 | Beadle, George Wells | American | genetics |
| 1958 | Tatum, Edward Lawrie | American | genetics |
| 1959 | Ochoa, Severo | Spanish | genetics (DNA and RNA synthesis) |
| 1959 | Kornberg, Arthur | American | genetics (DNA and RNA synthesis) |

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|------|---------------------------------|-------------------------------------|--------------------------------------|
| 1960 | Burnet, Sir Frank Macfarlane | Australian | immunity |
| 1960 | Medawar, Sir Peter Brian | British (b. Rio de Janeiro, Brazil) | immunity |
| 1961 | Bekesy, Georg von | Hungarian-American | cochlea |
| 1962 | Crick, Francis Harry Compton | British | molecular biology (DNA structure) |
| 1962 | Watson, James Dewey | American | molecular biology (DNA structure) |
| 1962 | Wilkins, Maurice Hugh Frederick | New Zealander | molecular biology (DNA structure) |
| 1963 | Eccles, Sir John Carew | Australian | nerve membrane mechanisms |
| 1963 | Hodgkin, Sir Alan Lloyd | British | nerve membrane mechanisms |
| 1963 | Huxley, Sir Andrew Fielding | British | nerve membrane mechanisms |
| 1964 | Bloch, Konrad | German | metabolism (cholesterol) |
| 1964 | Lynen, Feodor | German | metabolism (cholesterol) |
| 1965 | Jacob, Francois | French | genetics (enzyme synthesis) |
| 1965 | Lwoff, Andre | French | genetics (enzyme synthesis) |
| 1965 | Monod, Jacques | French | genetics (enzyme synthesis) |
| 1966 | Rous, Francis Peyton | American | disease treatment (viruses) |
| 1966 | Huggins, Charles Brenton | Canadian-American | disease treatment (prostatic cancer) |
| 1967 | Granit, Ragnar | Finnish-Swedish | visual system |
| 1967 | Hartline, Haldan Keffer | American | visual system |
| 1967 | Wald, George | American | visual system |
| 1968 | Holley, Robert W. | American | genetics (protein synthesis) |
| 1968 | Khorana, Har Gobind | Indian | genetics (protein synthesis) |
| 1968 | Nirenberg, Marshall W. | American | genetics (protein synthesis) |
| 1969 | Delbrueck, Max | German-American | genetics (viruses) |
| 1969 | Hershey, Alfred Day | American | genetics (viruses) |
| 1969 | Luria, Salvador Edward | Italian-American | genetics (viruses) |
| 1970 | Katz, Sir Bernard | German-British | nervous system |
| 1970 | Euler, Ulf Svante von | Swedish | nervous system |
| 1970 | Axelrod, Julius | American | nervous system |
| 1971 | Sutherland, Earl Wilbure Jr. | American | molecular biology (hormones) |
| 1972 | Edelman, Gerald M. | American | molecular biology (antibodies) |
| 1972 | Porter, Rodney R. | British | molecular biology (antibodies) |
| 1973 | Frisch, Karl von | Austrian | social behaviour |

| | | | |
|------|--------------------------------|------------------------------|---------------------------------------|
| 1973 | Lorenz, Konrad Zacharias | Austrian | social behaviour |
| 1973 | Tinbergen, Nikolaas | Dutch | social behaviour |
| 1974 | Claude, Albert | Belgian | metabolism (cells) |
| 1974 | de Duve, Christian | Belgian (b. Surrey, England) | metabolism (cells) |
| 1974 | Palade, George Emil | Romanian-American | metabolism (cells) |
| 1975 | Baltimore, David | American | genetics (viruses, tumors) |
| 1975 | Dulbecco, Renato | Italian-American | genetics (viruses, tumors) |
| 1975 | Temin, Howard Martin | American | genetics (viruses, tumors) |
| 1976 | Blumberg, Baruch S. | American | disease treatment (infectious) |
| 1976 | Gajdusek, Daniel Carleton | American | disease treatment (infectious) |
| 1977 | Guillemin, Roger Charles Louis | French-American | hormones (peptide) |
| 1977 | Schally, Andrew Victor | Polish-American | hormones (peptide) |
| 1977 | Yalow, Rosalyn | American | hormones (peptide) |
| 1978 | Arber, Werner | Swiss | genetics (restriction enzymes) |
| 1978 | Nathans, Daniel | American | genetics (restriction enzymes) |
| 1978 | Smith, Hamilton O. | American | genetics (restriction enzymes) |
| 1979 | Cormack, Alan M. | South African-American | techniques (tomography) |
| 1979 | Hounsfield, Sir Godfrey N. | British | techniques (tomography) |
| 1980 | Benacerraf, Baruj | Venezuelan-American | genetics (cell surface) |
| 1980 | Dausset, Jean | French | genetics (cell surface) |
| 1980 | Snell, George Davis | American | genetics (cell surface) |
| 1981 | Sperry, Roger Wolcott | American | nervous system (cerebral hemispheres) |
| 1981 | Hubel, David Hunter | Canadian-American | visual system |
| 1981 | Wiesel, Torsten N. | Swedish | visual system |
| 1982 | Bergstroem, Sune K. | Swedish | molecular biology (prostaglandins) |
| 1982 | Samuelsson, Bengt I. | Swedish | molecular biology (prostaglandins) |
| 1982 | Vane, Sir John R. | British | molecular biology (prostaglandins) |
| 1983 | McClintock, Barbara | American | genetics |
| 1984 | Jerne, Niels Kai | Danish (b. Londong, England) | immunity (monoclonal antibodies) |
| 1984 | Koehler, Georges J.F. | German | immunity (monoclonal antibodies) |
| 1984 | Milstein, Cesar | Argentinian-British | immunity (monoclonal antibodies) |
| 1985 | Brown, Michael Stuart | American | metabolism (cholesterol) |

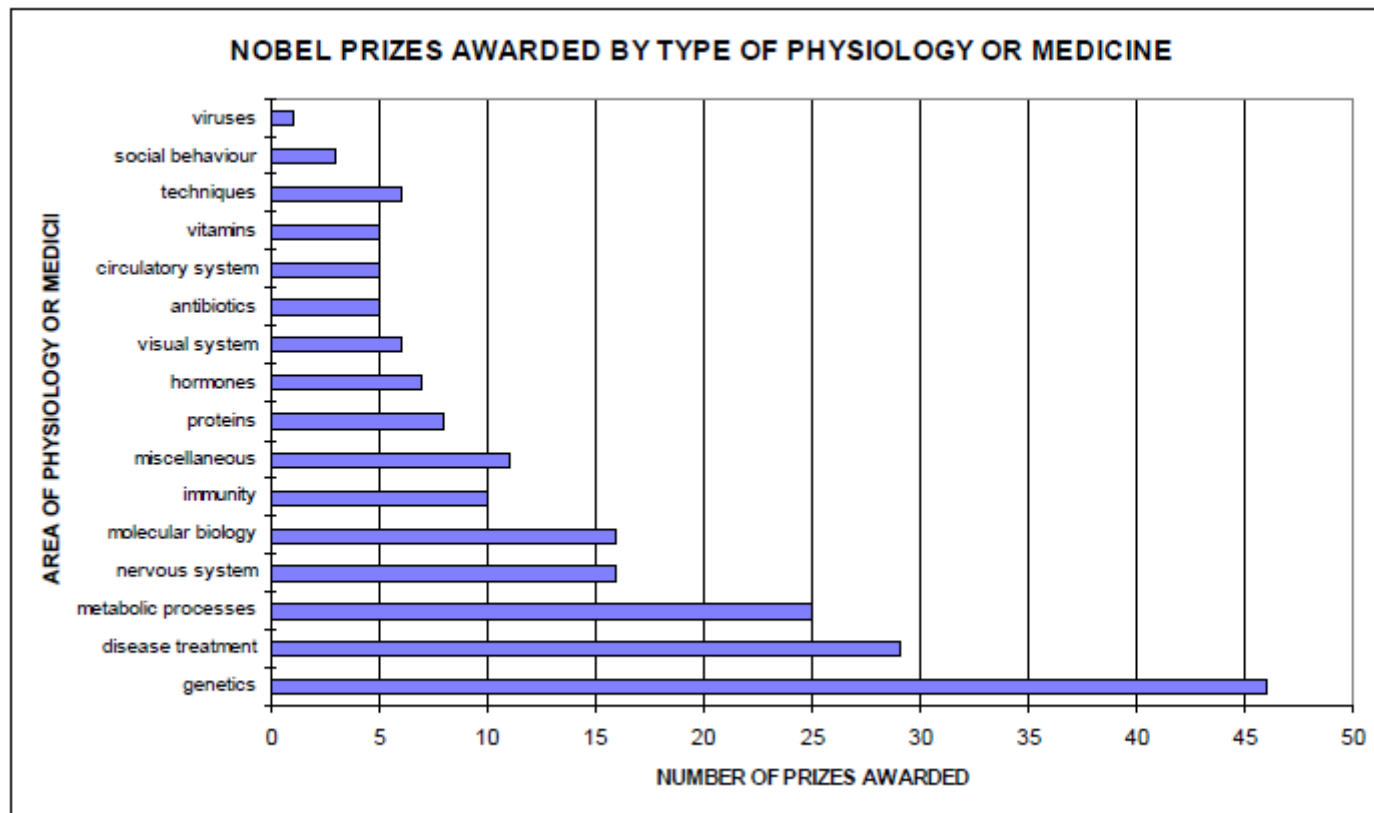
| | | | |
|------|-------------------------------|-------------------------------|---|
| 1985 | Goldstein, Joseph L. | American | metabolism (cholesterol) |
| 1986 | Cohen, Seymour Stanley | American | metabolism (growth factors) |
| 1986 | Levi-Montalcini, Rita | Italian-American | metabolism (growth factors) |
| 1987 | Tonegawa, Susumu | Japanese | genetics (antibodies) |
| 1988 | Black, Sir James W. | British | drug treatment |
| 1988 | Elion, Gertrude B. | American | drug treatment |
| 1988 | Hitchings, George H. | American | drug treatment |
| 1989 | Bishop, J. Michael | American | genetics (retroviral oncogenes) |
| 1989 | Varmus, Harold E. | American | genetics (retroviral oncogenes) |
| 1990 | Murray, Joseph E. | American | disease treatment (organ transplant) |
| 1990 | Thomas, E. Donnall | American | disease treatment (organ transplant) |
| 1991 | Neher, Erwin | German | molecular biology (ion channels) |
| 1991 | Sakmann, Bert | German | molecular biology (ion channels) |
| 1992 | Fischer, Edmond H. | Austrian (b. Shanghai, China) | molecular biology (protein phosphorylation) |
| 1992 | Krebs, Edwin G. | American | molecular biology (protein phosphorylation) |
| 1993 | Roberts, Richard J. | British | genetics (split genes) |
| 1993 | Sharp, Phillip | American | genetics (split genes) |
| 1994 | Gilman, Alfred Goodman | American | proteins (signal transduction) |
| 1994 | Rodbell, Martin | American | proteins (signal transduction) |
| 1995 | Lewis, Edward B. | American | genetics (embryonic development) |
| 1995 | Nuesslein-Volhard, Christiane | German | genetics (embryonic development) |
| 1995 | Wieschaus, Eric F. | American | genetics (embryonic development) |
| 1996 | Doherty, Peter C. | Australian | immunity (defense) |
| 1996 | Zinkernagel, Rolf M. | Swiss | immunity (defense) |
| 1997 | Prusiner, Stanley B. | American | proteins (prions) |
| 1998 | Furchgott, Robert F. | American | metabolism (nitrous oxide) |
| 1998 | Ignarro, Louis J. | American | metabolism (nitrous oxide) |
| 1998 | Murad, Ferid | American | metabolism (nitrous oxide) |
| 1999 | Blobel, Guenter | German-American | protein transport |
| 2000 | Carlsson, Arvid | Swedish | genetics |
| 2000 | Kandel, Eric R. | Austrian | genetics |
| 2000 | Greengard, Paul | American | genetics |

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|------|----------------------------|-----------------------|---|
| 2001 | Hartwell, Leland H. | American | genetics |
| 2001 | Hunt, R. Timothy | British | genetics |
| 2001 | Nurse, Sir Paul M. | British | genetics |
| 2002 | Brenner, Sydney | South African-British | genetics (cell death) |
| 2002 | Horvitz, Howard Robert | American | genetics (cell death) |
| 2002 | Sulston, John E. | British | genetics (cell death) |
| 2003 | Lauterbur, Paul C. | American | magnetic resonance imaging |
| 2003 | Mansfield, Sir Peter | British | magnetic resonance imaging |
| 2004 | Buck, Linda | American | olfactory system/molecular biology |
| 2004 | Axel, Richard | American | olfactory system/molecular biology |
| 2005 | Marshall, Barry J. | Australian | Helicobacter pylori bacterium |
| 2005 | Warren, J. Robin | Australian | Helicobacter pylori bacterium |
| 2006 | Fire, Andrew Z. | American | RNA interference |
| 2006 | Mello, Craig C. | American | RNA interference |
| 2007 | Capecchi, Mario R. | Italian-American | gene modifications in mice using stem cells |
| 2007 | Evans, Sir Martin J. | British | gene modifications in mice using stem cells |
| 2007 | Smithies, Oliver | British | gene modifications in mice using stem cells |
| 2008 | Hausen, Harald zur | German | identification of human papilloma virus |
| 2008 | Barre-Sinoussi, Françoise | French | identification of HIV virus |
| 2008 | Montagnier, Luc | French | identification of HIV virus |
| 2009 | Greider, Carol Widney | American | telomeres |
| 2009 | Blackburn, Elizabeth Helen | Australian-American | telomeres |
| 2009 | Szostak, Jack William | British-American | telomeres |
| 2010 | Edwards, Robert G. | British | in vitro fertilization |
| 2011 | Beutler, Bruce Alan | American | Activation of innate immunity |
| 2011 | Hoffmann, Jules A. | French | Activation of innate immunity |
| 2011 | Steinman, Ralph M. | Canadian-American | Activation of innate immunity |
| 2012 | Gurdon, Sir John Bertrand | British | discovery that mature cells can be reprogrammed to become pluripotent |
| 2012 | Yamanaka, Shinya | Japanese | discovery that mature cells can be reprogrammed to become pluripotent |
| 2013 | Rothman, James E. | American | Discoveries of machinery regulating vesicle |

| | | | |
|------|-------------------------|-------------------|---|
| | | | traffic – cell transport |
| 2013 | Scheckman, Randy W. | American | Discoveries of machinery regulating vesicle traffic – cell transport |
| 2013 | Südhof, Thomas C. | German | Discoveries of machinery regulating vesicle traffic – cell transport |
| 2014 | O’Keefe, John | American-British | for their discoveries of nerve cells in the brain that enable a sense of place and navigation |
| 2014 | Moser, May-Britt | Norwegian | for their discoveries of nerve cells in the brain that enable a sense of place and navigation |
| 2014 | Moser, Edvard | Norwegian | for their discoveries of nerve cells in the brain that enable a sense of place and navigation |
| 2015 | Campbell, William Cecil | Irish-American | Discovery of ivermectin (river blindness treatment) |
| 2015 | Omura, Satoshi | Japanese | Discovery of ivermectin (river blindness treatment) |
| 2015 | Tu, Youyou | Chinese | Discovery of artemisinin (malaria treatment) |
| 2016 | Yoshinori Ohsumi | Japanese | Mechanisms of autophagy |
| 2017 | Hall, Jeffrey C. | American | discoveries of molecular mechanisms controlling the circadian rhythm |
| 2017 | Rosbash, Michael | American | discoveries of molecular mechanisms controlling the circadian rhythm |
| 2017 | Young, Michael W. | American | discoveries of molecular mechanisms controlling the circadian rhythm |
| 2018 | Allison, James P. | American | for their discovery of cancer therapy by inhibition of negative immune regulation |
| 2018 | Honjo, Tasuku | Japanese | for their discovery of cancer therapy by inhibition of negative immune regulation |
| 2019 | Peter J. Ratcliffe | British | for their discoveries of how cells sense and adapt to oxygen availability |
| 2019 | William G. Kaelin Jr. | American | for their discoveries of how cells sense and adapt to oxygen availability |
| 2019 | Gregg L. Semenza | American | for their discoveries of how cells sense and adapt to oxygen availability |
| 2020 | Harvey J. Alter | American | for the discovery of hepatitis C virus |
| 2020 | Michael Houghton | British | for the discovery of hepatitis C virus |
| 2020 | Charles M. Rice | American | for the discovery of hepatitis C virus |
| 2021 | David Julius | American | for the discovery of receptors for temperature and touch |
| 2021 | Ardem Patapoutian | American-Lebanese | for the discovery of receptors for temperature and touch |

| NUMBER OF PRIZES AWARDED BY TYPE OF MEDICINE | |
|---|-------------------------|
| AREA OF PHYSIOLOGY/MEDICINE | NUMBER OF PRIZES |
| antibiotics | 5 |
| circulatory system | 5 |
| disease treatment | 29 |
| genetics | 46 |
| hormones | 7 |
| immunity | 11 |

| | |
|---------------------|----|
| metabolic processes | 25 |
| miscellaneous | 11 |
| molecular biology | 16 |
| nervous system | 17 |
| proteins | 8 |
| social behaviour | 3 |
| techniques | 6 |
| viruses | 2 |
| visual system | 6 |
| vitamins | 5 |



| PRIZE YEAR | NOBEL PHYSIOLOGISTS/MEDICINE | SUPERVISOR | Ph.D./MD | UNIVERSITY | DATES | Age at Prize |
|------------|-------------------------------------|--|------------------|--|-------------|--------------|
| 1932 | Adrian, Lord Edgar Douglas | Keith Lucas | 1911 | Cambridge (BA) | 1889 - 1977 | 43 |
| 2018 | Allison, James P. | G. Barrie Kitto | 1973 | U Texas (Austin) | 1948 - | 70 |
| 1978 | Arber, Werner | Jean Weigle | 1958 | Cal Tech | 1929 - | 49 |
| 2020 | Harvey J. Alter | Baruch S. Blumberg | 1960 (MD) | Rochester; Natl. Inst. Health (post-doc) | 1935 - | 85 |
| 2004 | Axel, Richard | | 1970 | Johns Hopkins (MD) | 1946 - | 58 |
| 1970 | Axelrod, Julius | H. George Mandel | 1955 | Washington (at St. Louis) | 1912 - 2004 | 58 |
| 1975 | Baltimore, David | Richard Franklin | 1964 | Rockefeller | 1938 - | 37 |
| 1923 | Banting, Sir Frederick Grant | John James Rickard Macleod | 1916 | Toronto (MD) | 1891 - 1941 | 32 |
| 1914 | Barany, Robert | Gussenbauer | 1900 | Vienna (MD) | 1876 - 1936 | 38 |
| 2008 | Barre-Sinoussi, Françoise | Jean Claude Chermann | 1974 | Institut Pasteur | 1947 - | 61 |
| 1958 | Beadle, George Wells | R.A. Emerson; L.W. Sharp | 1931 | Cornell | 1903 - 1989 | 55 |
| 1901 | Behring, Emil Adolf von | C. Binz (Bonn); Robert Koch (Berlin) | 1880 | Army Med. Coll. Berlin (MD) | 1854 - 1917 | 47 |
| 1961 | Bekesy, Georg von | Karl Tangl | 1923 | Budapest | 1899 - 1972 | 62 |
| 1980 | Benacerraf, Baruj | Elvin Kabat (Columbia Coll. Phys. Surg.) | 1945 | Med. Coll. Virginia (MD) | 1920 - | 60 |
| 1982 | Bergstroem, Sune K. | | 1944 | Karolinska Inst. | 1916 - | 66 |
| 2011 | Beutler, Bruce Alan | Anthony Cerami (Rockefeller) | 1981 (MD) | Chicago | 1957 - | 54 |
| 1989 | Bishop, John Michael | Elmer Pfefferkorn; Leon Levintow (NIH) | 1962 | Harvard Med. School. (MD) | 1936 - | 53 |
| 1988 | Black, Sir James W. | R.C. Garry | 1940s | St. Andrews | 1924 - | 64 |
| 2009 | Blackburn, Elizabeth H. | Fred Sanger | 1975 | Cambridge | 1948 - | 61 |
| 1999 | Blobel, Guenter | Dr. van R. Potter; George Palade (Rockefeller) | 1967 | Wisconsin | 1936 - | 63 |
| 1964 | Bloch, Konrad | Hans T. Clarke | 1938 | Columbia | 1912 - 2000 | 52 |
| 1976 | Blumberg, Baruch Samuel | Alex G. Ogston (Oxford) | 1951; Ph.D. 1957 | Columbia Coll. Phys. Surg.; Oxford (Ph.D.) | 1925 - | 51 |
| 1919 | Bordet, Jules Jean Baptiste Vincent | | 1892 | Brussels (MD) | 1870 - 1961 | 49 |
| 1957 | Bovet, Daniel | Emile Guyenot | 1929 | Geneva | 1907 - 1992 | 50 |
| 2002 | Brenner, Sydney | Anthony C. Allison | 1954 | Oxford | 1927 - | 75 |
| 1985 | Brown, Michael Stuart | Earl R. Stadtman | 1966 | Pennsylvania (MD) | 1941 - | 44 |

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|------|---------------------------------|---|------------|---|-------------|----|
| | | (NIH) | | | | |
| 2004 | Buck, Linda | Richard Axel (Columbia) | 1980 | Texas (Southwestern Med. Center); Columbia | 1947 - | 57 |
| 1960 | Burnet, Sir Frank Macfarlane | J. D. Ledingham | 1923 | Melbourne (MD) | 1899 - 1985 | 61 |
| 1906 | Cajal, Santiago Ramon y | Aureliano Maestre de San Juan | 1873; 1883 | Saragossa (Lic.); Madrid (MD) | 1852 - 1934 | 54 |
| 2007 | Capecchi, Mario R. | James D. Watson | 1967 | Harvard | 1937 - | 70 |
| 2015 | Campbell, William Cecil | Arlie C. Todd | 1957 | Wisconsin | 1930 - | 85 |
| 2000 | Carlsson, Arvid | Gunnar Ahlgren | 1951 | Lund (MD) | 1923 - | 77 |
| 1912 | Carrel, Alexis | Henry D. Dakin (Rockefeller); G.N. Stewart (Chicago) | 1900 | Lyons | 1873 - 1944 | 39 |
| 1945 | Chain, Sir Ernst Boris | Sir F.G. Hopkins | 1935 | Cambridge | 1906 - 1979 | 39 |
| 1974 | Claude, Albert | Albert Fischer (KWI-Berlin) | 1928 | Liege (MD) | 1899 - 1983 | 75 |
| 1986 | Cohen, Seymour Stanley | Howard B. Lewis | 1948 | Michigan | 1922 - | 64 |
| 1947 | Cori, Carl Ferdinand | Hans Eppinger (Vienna); Otto Loewi (Graz) | 1920 | Charles University, Prague | 1896 - 1984 | 51 |
| 1947 | Cori, Gerty Theresa nee Radnitz | Wilhelm Knopfmacher | 1920 | Charles University, Prague | 1896 - 1957 | 51 |
| 1979 | Cormack, Alan M. | Otto Frisch; Norman Ramsey, Richard Wilson (Harvard) | 1949 | Cambridge | 1924 - 1998 | 55 |
| 1956 | Cournand, Andre Frederic | D.W. Richards (Columbia) | 1930 | Sorbonne (MD) | 1895 - 1988 | 61 |
| 1962 | Crick, Francis Harry Compton | Max F. Perutz | 1954 | Cambridge | 1916 - 2004 | 46 |
| 1936 | Dale, Sir Henry Hallet | Starling (UC London); P. Ehrlich (Frankfurt); G. Barger (Wellcome) | 1909 | Cambridge (MD) | 1875 - 1968 | 61 |
| 1943 | Dam, Henrik Carl Peter | Paul Karrer (Zurich) | 1934 | Copenhagen | 1895 - 1976 | 48 |
| 1980 | Dausset, Jean | Marcel Bessis | 1940s | Paris (MD) | 1916 - | 64 |
| 1974 | de Duve, Christian Rene | J.P. Bouckaert; | 1941 | Louvain (MD) | 1917 - 2013 | 57 |

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|------|---------------------------|--|------|-----------------------|-------------|----|
| | | Hugo Theorell (Stockholm); C.F. Cori, Earl Sutherland (Washington) | | | | |
| 1969 | Delbrueck, Max | Max Born (Goettingen); G. Gamow (Goettingen); W. Pauli (Zurich); N. Bohr (Copenhagen); L. Meitner (Berlin) | 1930 | Goettingen | 1906 - 1981 | 63 |
| 1996 | Doherty, Peter C. | | 1970 | Edinburgh | 1940 - | 56 |
| 1943 | Doisy, Edward Adelbert | Otto Folin | 1920 | Harvard | 1893 - 1986 | 50 |
| 1939 | Domagk, Gerhard | Georg Hoppe-Seyler (Kiel) | 1921 | Kiel (MD) | 1895 - 1964 | 44 |
| 1975 | Dulbecco, Renato | Giuseppe Levi | 1936 | Turin (MD) | 1914 - | 61 |
| 1963 | Eccles, Sir John Carew | Sir Charles Sherrington | 1929 | Oxford | 1903 - 1997 | 60 |
| 1972 | Edelman, Gerald M. | Henry G. Kunkel | 1960 | Rockefeller Inst. | 1929 - | 43 |
| 2010 | Edwards, Robert G. | Alan Beatty Conrad H. Waddington | 1955 | Edinburgh | 1925 - | 85 |
| 1908 | Ehrlich, Paul | Karl Weigert | 1878 | Leipzig | 1854 - 1915 | 54 |
| 1929 | Eijkman, Christiaan | T. Place | 1883 | Amsterdam | 1858 - 1930 | 71 |
| 1924 | Einthoven, Willem | F.C. Donders | 1885 | Utrecht | 1860 - 1927 | 64 |
| 1988 | Elion, Gertrude Belle | Hitchings, George H. (Wellcome Res. Labs, NY) | 1941 | NYU (MSc) | 1919 - 1999 | 69 |
| 1954 | Enders, John Franklin | | 1930 | Harvard | 1897 - 1985 | 57 |
| 1944 | Erlanger, Joseph | William Henry Howell | 1899 | Johns Hopkins (MD) | 1874 - 1965 | 70 |
| 1970 | Euler, Ulf Svante von | G. Liljestrand; Sir Henry H. Dale | 1930 | Karolinska Inst. (MD) | 1905 - 1983 | 65 |

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|------|----------------------------------|--|-------|--|-------------|----|
| | | (London); Gustav Embden (Frankfurt) | | | | |
| 2007 | Evans, Sir Martin J. | | 1969 | UC London | 1941 - | 66 |
| 1926 | Fibiger, Johannes Andreas Grib | C.J. Salomonsen | 1895 | Copenhagen | 1867 - 1928 | 59 |
| 1903 | Finsen, Niels Ryberg | | 1882 | Copenhagen (MD) | 1860 - 1904 | 43 |
| 2006 | Fire, Andrew Zachary | Phillip A. Sharp | 1983 | MIT | | |
| 1992 | Fischer, Edmond H. | Kurt H. Meyer | 1940s | Munich | 1920 - | 72 |
| 1945 | Fleming, Sir Alexander | Sir Almroth Wright | 1908 | St. Mary's Medical School, London (BS) | 1881 - 1955 | 64 |
| 1945 | Florey, Lord Howard Walter | | 1927 | Cambridge | 1898 - 1968 | 47 |
| 1956 | Forssmann, Werner | Georg Klemperer; Rudolph Fick | 1929 | Berlin (MD) | 1904 - 1979 | 52 |
| 1973 | Frisch, Karl von | Richard Hertwig (Munich) | 1910 | Vienna | 1886 - 1982 | 87 |
| 1998 | Furchgott, Robert F. | Eric Ponder | 1940 | Northwestern | 1940 - | 58 |
| 1976 | Gajdusek, Daniel Carleton | Victor Weisskopf; John T. Edsall (Harvard); L. Pauling, F. Kirkwood (Cal Tech) | 1946 | Rochester; Harvard (MD) | 1923 - | 53 |
| 1944 | Gasser, Herbert Spencer | Joseph Erlanger; A.V. Hill, H.H. Dale (Cambridge) | 1915 | Johns Hopkins (1915) | 1888 - 1963 | 56 |
| 1994 | Gilman, Alfred Goodman | Ted Rall; Marshall W. Nirenberg (NIH) | 1969 | Western Reserve | 1941 - | 53 |
| 1985 | Goldstein, Joseph Leonard | Marshall W. Nirenberg (NIH) | 1966 | Texas at Dallas (MD) | 1940 - | 45 |
| 1906 | Golgi, Camillo | Mantegazza; Bizzozero; Oehl | 1865 | Pavia (MD) | 1843 - 1926 | 63 |
| 1967 | Granit, Ragnar Arthur | Carl Tigerstedt; Sir Charles Sherrington (Oxford) | 1927 | Helsingfors (MD) | 1900 - 1991 | 67 |
| 2000 | Greengard, Paul | Frank Brink; Sidney Colowick; (PD with E.C. Slater at | 1953 | Johns Hopkins | 1925 - | 75 |

| | | | | | | |
|------|---------------------------------------|--|------------|----------------------------|-------------|----|
| | | Cambridge) | | | | |
| 2009 | Greider, Carol Widney | Elizabeth Blackburn | 1987 | UC Berkeley | 1961 - | 48 |
| 1977 | Guillemin, Roger Charles Lewis | Hans Selye (McGill) | 1949; 1953 | Lyons (MD); McGill (Ph.D.) | 1924 - | 53 |
| 1911 | Gullstrand, Allvar | | 1890 | Stockholm | 1862 - 1930 | 49 |
| 2012 | Gurdon, Sir John Bertrand | Michael Fischberg | 1961 | Oxford | 1933 - | 79 |
| 2017 | Hall, Jeffrey C. | Lawrence Sandler | 1971 | U Washington (Seattle) | 1945 - | 72 |
| 1967 | Hartline, Haldan Keffer | E.K. Marshall; A. Pfund (Hopkins); W. Heisenberg (Leipzig); A. Sommerfeld (Munich) | 1927 | Johns Hopkins (MD) | 1903 - 1983 | 64 |
| 2001 | Hartwell, Leland H. | Boris Magasanik; Renato Dulbecco (Salk Inst.) | 1964 | MIT | 1939 - | 62 |
| 2008 | Hausen, Harald zur | Werner Henle, Gertrude Henle | 1961 | Dusseldorf (MD) | 1936 - | 72 |
| 1950 | Hench, Philip Showalter | Friedrich von Müller (Freiburg) | 1920 | Pittsburgh | 1896 - 1965 | 54 |
| 1969 | Hershey, Alfred Day | | 1934 | Michigan State | 1908 - 1997 | 61 |
| 1949 | Hess, Walter Rudolf | Gaule; Verworm (Bonn) | 1906 | Zurich (MD) | 1881 - 1973 | 68 |
| 1938 | Heymans, Corneille Jean Francois | E. Gley (Coll. France); M. Arthus (Lausanne); H.H. Meyer (Vienna); E.H. Starling (UC London); C.F. Wiggers (Western Reserve) | 1920 | Ghent | 1892 - 1968 | 46 |
| 1922 | Hill, Sir Archibald Vivian Hill | Sir Walter Morley Fletcher | 1907 | Cambridge (MA) | 1886 - 1977 | 36 |
| 1988 | Hitchings, George H. | Otto Folin | 1933 | Harvard | 1905 - | 83 |
| 1963 | Hodgkin, Sir Alan Lloyd | A.V. Hill; H.S. Gasser | 1937 | Cambridge | 1914 - 1998 | 49 |

| | | | | | | |
|------|--|--|-------|--|-------------|--------|
| | | (Rockefeller) | | | | |
| 2011 | Hoffmann, Jules A. | Pierre Joly | 1969 | Strasbourg | 1941 - | 70 |
| 1968 | Holley, Robert W. | Alfred T. Blomquist | 1947 | Cornell | 1922 - 1993 | 46 |
| 2018 | Honjo, Tasuku | Yasutomi Nishizuka | 1975 | Kyoto | 1942 - | 76 |
| 1929 | Hopkins, Sir Frederick Gowland | Sir Thomas Stevenson (mentor) | 1893 | Guy's Hospital, London (MD) | 1861 - 1947 | 68 |
| 2002 | Horvitz, Howard Robert | James Watson; Walter Gilbert | 1974 | Harvard | 1947 - | 55 |
| 2020 | Houghton, Michael | | 1977 | London (Kings College) | 1949 - | 71 |
| 1979 | Hounsfield, Sir Godfrey Newbold | | 1940s | City & Guilds; Faraday House Elec. Eng. (London) | | 1919 - |
| 1947 | Houssay, Bernardo Alberto | | 1911 | Buenos Aires | 1887 - 1971 | 60 |
| 1981 | Hubel, David Hunter | S.W. Kuffler (Johns Hopkins) | 1951 | McGill (MD); Johns Hopkins | 1926 - | 55 |
| 1966 | Huggins, Charles Brenton | Frederick A. Collier (PD Michigan) | 1924 | Harvard | 1901 - 1997 | 65 |
| 2001 | Hunt, Sir Richard Timothy | Asher Korner; Irving London | 1968 | Cambridge | 1943 - | 58 |
| 1963 | Huxley, Sir Andrew Fielding | Alan Lloyd Hodgkin | 1939 | Cambridge | 1917 - | 46 |
| 1998 | Ignarro, Louis J. | Frederick E. Shideman | 1966 | Minnesota | 1941 - | 57 |
| 1965 | Jacob, Francois | A. Lwoff (Pasteur Inst.) | 1947 | Sorbonne | 1920 - | 45 |
| 1984 | Jerne, Niels Kai | Max Delbrück (Cal Tech) | 1951 | Copenhagen; Cal Tech | 1911 - 1994 | 73 |
| 2021 | Julius, David | Jeremy Thorner, Randy Schekman | 1984 | UC Berkeley | 1955 - | 66 |
| 2019 | Kaelin, William G. Jr. | David M. Livingston (Dana-Farber) | 1982 | Duke (MD) | 1957 - | 62 |
| 2000 | Kandel, Eric R. | Harry Grundfest (Columbia) | 1956 | NYU (MD) | 1929 - | 71 |
| 1970 | Katz, Sir Bernard | Archibald V. Hill | 1938 | UC London | 1911 - | 59 |
| 1950 | Kendall, Edward Calvin | Henry C. Sherman | 1910 | Columbia | 1886 - 1972 | 64 |
| 1968 | Khorana, Har Gobind | Roger J.S. Beer; V. Prelog (ETH-Zurich); A.R. Todd (Cambridge) | 1948 | Liverpool | 1922 - | 46 |

| | | | | | | |
|------|----------------------------------|--|------|------------------------------|-------------|----|
| 1905 | Koch, Robert | Rudolf C. Virchow (Berlin) | 1866 | Goettingen (MD) | 1843 - 1910 | 62 |
| 1909 | Kocher, Emil Theodor | Albert Luecke | 1865 | Berne | 1841 - 1917 | 68 |
| 1984 | Koehler, Georges J.F. | Fritz Melchers; C. Milstein (Lab. Mol. Biol. UK) | 1974 | Freiburg | 1946 - 1995 | 38 |
| 1959 | Kornberg, Arthur | NYC (S. Ochoa); Washington (C. and G. Cori) | 1941 | Rochester (MD) | 1918 - | 41 |
| 1910 | Kossel, Albrecht | Felix Hoppe-Seyler | 1878 | Rostock (MD) | 1853 - 1927 | 57 |
| 1992 | Krebs, Edwin G. | Carl and Gerty Cori (post-doc) | 1943 | Washington at St. Louis (MD) | 1918 - | 74 |
| 1953 | Krebs, Sir Hans Adolf | Otto H. Warburg (KWI) | 1926 | Hamburg (MD) | 1900 - 1981 | 53 |
| 1920 | Krogh, Schack August Steenberger | Christian Bohr | 1903 | Copenhagen | 1874 - 1949 | 46 |
| 1930 | Landsteiner, Karl | A. Hantzsch (Zurich); E. Fischer (Wuerzburg); E. Bamberger (Munich) | 1891 | Vienna (MD) | 1868 - 1943 | 62 |
| 2003 | Lauterbur, Paul C. | John A. Pople | 1962 | Pittsburgh | 1929 - 2007 | 74 |
| 1907 | Laveran, Charles Louis Alphonse | | 1867 | Strasbourg | 1845 - 1922 | 62 |
| 1958 | Lederberg, Joshua | E.L. Tatum | 1948 | Yale | 1925 - | 33 |
| 1986 | Levi-Montalcini, Rita | Giuseppe Levi; Viktor Hamburger | 1936 | Turin (MD) | 1909 - | 77 |
| 1995 | Lewis, Edward B. | Alfred Sturtevant | 1942 | Cal Tech | 1918 - 2004 | 77 |
| 1953 | Lipmann, Fritz Albert | Otto Meyerhof | 1927 | Berlin | 1899 - 1986 | 54 |
| 1936 | Loewi, Otto | Ostwald Schmiedeberg | 1896 | Strasbourg | 1873 - 1961 | 63 |
| 1973 | Lorenz, Konrad Zacharias | Ferdinand Hochstetter; Jan Versluys (zoology); Karl Buehler (psychology) | 1935 | Vienna (MD 1928, PhD) | 1903 - 1989 | 70 |
| 1969 | Luria, Salvador Edward | Giuseppe Levi | 1935 | Turin (MD); Radium Inst. | 1912 - | 57 |

| | | | | | | |
|------|-----------------------------|---|------------|---------------------------------|-------------|----|
| | | | | Paris; Columbia | | |
| 1965 | Lwoff, Andre | Felix Mesnil; Otto Meyerhof (Heidelberg) | 1927; 1932 | Pasteur Inst. (MD, PhD) | 1902 - | 63 |
| 1964 | Lynen, Feodor | Heinrich Wieland | 1937 | Munich | 1911 - 2000 | 53 |
| 1923 | Macleod, John James Richard | Max August Siegfried | 1898 | Aberdeen (MD)/Leipzig/Cambridge | 1876 - 1935 | 47 |
| 2003 | Mansfield, Sir Peter | Jack G. Powles | 1962 | London | 1933 - | 70 |
| 2005 | Marshall, Barry J. | J. Robin Warren (Roy. Perth Hosp.) | 1974 | Western Australia (MB) | 1951 - | 54 |
| 1983 | McClintock, Barbara | Claude B. Hutchison | 1927 | Cornell | 1902 - 1992 | 81 |
| 1908 | Mechnikov, Ilya Ilyich | Karl Leuckhart (Giessen); von Siebold (Munich) | 1860s | Naples | 1845 - 1916 | 63 |
| 1960 | Medawar, Sir Peter Brian | John Zachary Young | 1947 | Oxford | 1915 - 1987 | 45 |
| 2006 | Mello, Craig Cameron | Victor R. Ambros | 1990 | Harvard | | |
| 1922 | Meyerhof, Otto Fritz | Otto Warburg | 1909 | Heidelberg (MD) | 1884 - 1951 | 38 |
| 1984 | Milstein, Cesar | Stoppani; Malcolm Dixon | 1957; 1960 | Buenos Aires; Cambridge | 1927 - 2002 | 57 |
| 1934 | Minot, George Richards | W.S. Thayer, W.H. Howell (Johns Hopkins) | 1912 | Harvard (MD) | 1885 - 1950 | 49 |
| 1949 | Moniz, Antonio C. de A.F.E. | | 1900s | Coimbra; Bordeaux; Paris | 1874 - 1955 | 75 |
| 1965 | Monod, Jacques Lucien | Edouard Chatton (Strasbourg); Boris Ephrussi (Paris); T.H. Morgan (Cal Tech); Georges Teissier (Sorbonne) | 1931 | Sorbonne | 1910 - 1976 | 55 |
| 2008 | Montagnier, Luc | Pierre Gavaudan | | Paris | 1932 - | 76 |
| 1933 | Morgan, Thomas Hunt | Hans Driesch, Curt Herbst (Naples) | 1890 | Johns Hopkins | 1866 - 1945 | 67 |
| 2014 | Moser, Edvard I. | Per Andersen; O'Keefe, J. (post- | 1995 | Oslo; UC London | 1962 - | 52 |

| | | | | | | |
|------|--------------------------------------|---|------|---------------------------------------|-------------|----|
| | | doc advisor) | | | | |
| 2014 | Moser, May-Britt | Per Andersen; O'Keefe, J. (post- doc advisor) | 1995 | Oslo; UC London | 1963 - | 51 |
| 1946 | Mueller, Hermann Joseph | Edmund Beecher Wilson | 1915 | Columbia | 1890 - 1967 | 56 |
| 1948 | Mueller, Paul Hermann | Carl Fichter | 1925 | Basel | 1899 - 1965 | 49 |
| 1998 | Murad, Ferid | Earl Sutherland, Jr. | 1965 | Western Reserve | 1936 - | 62 |
| 1934 | Murphy, William Parry | Henry A. Christian (Peter Bent Brigham Hosp.) | 1922 | Harvard (MD) | 1892 - 1987 | 42 |
| 1990 | Murray, Joseph E. | | 1943 | Harvard (MD) | 1919 - | 71 |
| 1978 | Nathans, Daniel | Fritz Lipmann (Rockefeller Inst.) | 1954 | Washington (MD) | 1928 - 1999 | 50 |
| 1991 | Neher, Erwin | Dieter Lux | 1967 | MPI-Psychiatrie, Munich | 1944 - | 47 |
| 1928 | Nicolle, Charles Jules Henri | A. Gombault; Emile Roux | 1893 | Pasteur Inst. (MD) | 1866 - 1936 | 62 |
| 1968 | Nirenberg, Marshall W. | James Hogg | 1957 | Michigan | 1907 - 2008 | 61 |
| 1995 | Nuesslein-Volhard, Christiane | Heinz Schaller | 1973 | Tuebingen | 1942 - | 53 |
| 2001 | Nurse, Sir Paul M. | Tony Simms; Murdoch Mitchison (Edinburgh) | 1973 | East Anglia | 1949 - | 52 |
| 2014 | O'Keefe, John | Ronald Melzack | 1967 | McGill | 1939 - | 75 |
| 1959 | Ochoa, Severo | Otto Meyerhof (KWI) | 1929 | Madrid (MD) | 1905 - 1993 | 54 |
| 2016 | Ohsumi, Yoshinori | Kazutomo Imahori; Gerald M. Edelman | 1975 | Tokyo; Rockefeller | 1945 - | 71 |
| 2015 | Omura, Satoshi | Max Tishler (Wesleyan) | 1970 | Tokyo | 1935 - | 80 |
| 1974 | Palade, George Emil | Albert Claude (Rockefeller) | 1940 | Bucharest (MD) | 1912 - | 62 |
| 2021 | Patapoutian, Ardem | Barbara J. Wold | 1996 | Cal Tech | 1967 - | 54 |
| 1904 | Pavlov, Ivan Petrovich | S.P. Botkin | 1883 | St. Petersburg/Breslau/Leipzi g | 1849 - 1936 | 55 |
| 1972 | Porter, Rodney R. | Frederick Sanger | 1948 | Cambridge | 1917 - 1985 | 55 |

| | | | | | | |
|------|-----------------------------------|---|------------|--------------------------------------|-------------|----|
| 1997 | Prusiner, Stanley B. | Britton Chance | 1968 | Pennsylvania (MD) | 1942 - | 55 |
| 2019 | Ratcliffe, Sir Peter J. | | 1987 | Cambridge (MD) | 1954- | 65 |
| 1950 | Reichstein, Tadeus | Hermann Staudinger; L. Ruzicka | 1922 | ETH-Zurich | 1897 - 1996 | 53 |
| 2020 | Rice, Charles M. | James H. Strauss | 1981 | Cal Tech | 1952 - | 68 |
| 1956 | Richards, Dickinson Woodruff | H.H. Dale (Natl. Inst. Med. Res.); Harvard (L.J. Henderson) | 1923 | Columbia Coll. Phys. Surg. (MD) | 1895 - 1973 | 61 |
| 1913 | Richet, Charles Robert | Charles Philippe Robin | 1869; 1878 | Paris (MD, DSc 1878) | 1850 - 1935 | 63 |
| 1954 | Robbins, Frederick Chapman | John F. Enders (Child. Hosp. Med. Center) | 1940 | Harvard (MD) | 1916 - | 38 |
| 1993 | Roberts, Richard John | William David Ollis | 1968 | Sheffield | 1943 - | 50 |
| 1994 | Rodbell, Martin | Herbert E. Carter (Illinois) | 1954 | Washington | 1925 - 1998 | 69 |
| 2017 | Rosbash, Michael | Sheldon Penman | 1970 | MIT | 1944 - | 73 |
| 1902 | Ross, Sir Ronald | | 1870s | St. Bartholomew's Hosp., London | 1857 - 1932 | 45 |
| 2013 | Rothman, James E. | Eugene P. Kennedy | 1976 | Harvard Med. School | 1950 - | 63 |
| 1966 | Rous, Francis Peyton | Simon Flexner (Rockefeller) | 1905 | Johns Hopkins (MD) | 1879 - 1970 | 87 |
| 1991 | Sakmann, Bert | Otto D. Creutzfeldt; Bernard Katz (UC London) | 1960s | Munich (MD) | 1942 - | 49 |
| 1982 | Samuelsson, Bengt I. | Elias J. Corey (Harvard) | 1961 | Karolinska Inst. | 1934 - | 48 |
| 1977 | Schally, Andrew Victor | Murray Saffran | 1957 | McGill; Natl. Inst. Med. Res. London | 1926 - | 51 |
| 2013 | Schekman, Randy W. | Arthur Kornberg | 1974 | Stanford | 1948 - | 65 |
| 2019 | Semenza, Gregg Leonard | Elias Schwartz | 1984 | Pennsylvania | 1956 - | 63 |
| 1993 | Sharp, Phillip A. | Victor Bloomfield | 1969 | Illinois | 1944 - | 49 |
| 1932 | Sherrington, Sir Charles Scott | Michael Foster (Cambridge) | 1879 | Roy. Coll. Surg. London (MD) | 1857 - 1952 | 75 |

| | | | | | | |
|------|------------------------------|--|-------------------------|-----------------------------------|-------------|----|
| 1978 | Smith, Hamilton O. | Myron Levine (Michigan) | 1956 | Johns Hopkins (MD) | 1931 - | 47 |
| 2007 | Smithies, Oliver | A. G. Ogston | 1951 | Oxford | 1925 - | 82 |
| 1980 | Snell, George Davis | Castle; Herman Muller | 1928 | Harvard (MS) | 1903 - | 77 |
| 1935 | Spemann, Hans | Theodor Boveri; Julius Sachs; W. Roentgen | 1895 | Wuerzburg | 1869 - 1941 | 66 |
| 1981 | Sperry, Roger Wolcott | Paul A. Weiss; Karl S. Lashley (Harvard) | 1941 | Chicago | 1913 - 1994 | 68 |
| 2011 | Steinman, Ralph M. | Zanvil A. Cohn (Rockefeller) | 1968 (MD) | Harvard | 1943 - 2011 | 68 |
| 2013 | Südhof, Thomas C. | Victor P. Whittaker | 1982 (MD) 1982 (PhD) | Göttingen | 1955 - | 58 |
| 2002 | Sulston, John E. | Reese, Colin Bernard | 1966 | Cambridge | 1942 - | 60 |
| 1971 | Sutherland, Earl Wilbure Jr. | Carl F. Cori | 1942 | Washington (at St. Louis) (MD) | 1915 - 1974 | 56 |
| 1937 | Szent-Gyorgi, Albert | Sir F. G. Hopkins (Cambridge) | 1911 | Budapest | 1893 - 1986 | 44 |
| 2009 | Szostak, Jack William | Raymond Wu | 1977 | Cornell | 1952 - | 57 |
| 1958 | Tatum, Edward Lawrie | Edwin B. Fred; William Harold Peterson | 1935 | Wisconsin; Utrecht; Stanford | 1909 - 1975 | 49 |
| 1975 | Temin, Howard Martin | Renato Dulbecco | 1959 | Cal Tech | 1934 - 1994 | 41 |
| 1951 | Theiler, Max | | 1922 | London Sch. Tropical Medicine | 1899 - 1972 | 52 |
| 1955 | Theorell, Axel Hugo Theodor | Albert Calmette | 1930 | Pasteur Inst. (MD) | 1903 - 1982 | 52 |
| 1990 | Thomas, E. Donnall | Clement Finch | 1946 | Harvard (MD) | 1920 - | 70 |
| 1973 | Tinbergen, Nikolaas | C.J. van der Klaauw; Konrad Lorenz (Vienna) | 1932 | Leiden | 1907 - 1988 | 66 |
| 1987 | Tonegawa, Susumu | Masaki Hayashi; Renato Dulbecco (Salk Inst.) | 1978 | UC San Diego | 1939 - | 48 |

| | | | | | | |
|------|-----------------------------------|---|-----------|---------------------------------|-------------|----|
| 2015 | Tu, Youyou | | 1955 | Beijing Med. Univ. | 1930 - | 85 |
| 1982 | Vane, Sir John R. | Geoffrey Dawes | 1953 | Oxford | 1927 - 2004 | 55 |
| 1989 | Varmus, Harold E. | Michael Bishop (UC San Francisco) | 1966 | Columbia Coll. Phys. Surg. (MD) | 1939 - | 50 |
| 1927 | Wagner-Jauregg, Julius | Salomon Stricker | 1880 | Vienna | 1857 - 1940 | 70 |
| 1952 | Waksman, Selman Abraham | Thornton Brainsford Robertson | 1918 | UC Berkeley | 1888 - 1973 | 64 |
| 1967 | Wald, George | Otto Warburg (Berlin) | 1932 | Columbia | 1906 - 1997 | 61 |
| 1931 | Warburg, Otto | Emil Fischer | 1906;1911 | Berlin; Heidelberg (MD) | 1883 - 1970 | 48 |
| 2005 | Warren, J. Robin | No supervisor | 1961 | Adelaide (MB) | 1937 - | 68 |
| 1962 | Watson, James Dewey | Salvador E. Luria | 1950 | Indiana | 1928 - | 34 |
| 1954 | Weller, Thomas Huckle | John F. Enders | 1940 | Harvard (MD) | 1915 - | 39 |
| 1934 | Whipple, George Hoyt | William H. Welch | 1905 | Johns Hopkins (MD) | 1878 - 1976 | 56 |
| 1995 | Wieschaus, Eric F. | Walter Gehring; Rolf Noethiger (Zurich) | 1974 | Yale | 1947 - | 48 |
| 1981 | Wiesel, Torsten Nils | Carl Gustaf Bernhard; S.W. Kuffler (Johns Hopkins) | 1954 | Karolinska Inst. (MD) | 1924 - | 57 |
| 1962 | Wilkins, Maurice Hugh Frederick | Sir John T. Randall | 1940 | Birmingham | 1916 - 2004 | 46 |
| 1977 | Yalow, Rosalyn nee Sussman | Jerrold Zacharias; Solomon Berson (Bronx Vet. Admin. Hosp.) | 1945 | CUNY (Hunter College) | 1921 - | 56 |
| 2012 | Yamanaka, Shinya | Katsuyuki Miura | 1993 | Osaka | 1962 - | 50 |
| 2017 | Young, Michael W. | Burke Judd | 1975 | U Texas (Austin) | 1949 - | 68 |
| 1996 | Zinkernagel, Rolf M. | Peter C. Doherty; F. Dixon (Scripps) | 1975 | Basel (MD 1968); ANU | 1944 - | 52 |

Note: Bolded names are those that are still alive at the time of this writing.

| TOP 5 UNIVERSITY RANKING | | |
|---------------------------------|----------------------------|---------|
| 23 | Harvard | U.S. |
| 19 | Cambridge | U.K. |
| 13 | Johns Hopkins | U.S. |
| 10 | Columbia Coll. Phys. Surg. | U.S. |
| 9 | Oxford | U.K. |
| 7 | Berlin | Germany |
| 7 | Munich | Germany |
| 7 | Vienna | Austria |

| NATIONALITY DEMOGRAPHICS | NUMBER OF PRIZES |
|---------------------------------|-------------------------|
| American | 101 |
| American imports | 23 |
| German | 24 |
| British | 32 |
| British imports | 6 |
| French | 13 |
| Austrian | 7 |
| Swiss | 6 |
| Australian | 7 |
| Danish | 5 |
| Italian | 5 |
| Belgian | 3 |
| Canadian | 4 |
| Dutch | 3 |
| South African | 3 |
| Spanish | 2 |
| Swedish | 2 |
| Scottish | 2 |
| Russian | 2 |
| Hungarian | 2 |

| | |
|---------------|------------|
| Czechs | 2 |
| Argentinian | 2 |
| Polish | 2 |
| Norwegian | 2 |
| Finnish | 1 |
| Indian | 1 |
| Ukranian | 1 |
| Venezuelan | 1 |
| Japanese | 5 |
| New Zealander | 1 |
| Portuguese | 1 |
| Romanian | 1 |
| Luxembourg | 1 |
| Chinese | 1 |
| Irish | 1 |
| TOTAL | 275 |

| CANADIAN-BORN MEDICINE NOBEL LAUREATES | | | | |
|---|------------------------------|-------------------------|------------------------------------|--------------------------------|
| PRIZE YEAR | NAME | PLACE OF BIRTH | EDUCATION | |
| 1923 | Banting, Sir Frederick Grant | b. Alliston, Ontario | MD 1916, University of Toronto | went to Toronto |
| 1966 | Huggins, Charles Brenton | b. Halifax, Nova Scotia | MD 1924 Harvard | went to Chicago |
| 1981 | Hubel, David Hunter | b. Windsor, Ontario | MD 1951 McGill | went to Johns Hopkins; Harvard |
| 2011 | Steinman, Ralph M. | b. Montreal, Quebec | BSc 1963 McGill MD 1968 Harvard | went to Rockefeller Inst. |

