

# List of Nobel Laureates

Year	Physics	Chemistry	Physiology or Medicine	Literature	Peace	Economics
1901	Wilhelm Röntgen	Jacobus Henricus van 't Hoff	Emil Adolf von Behring	Sully Prudhomme	Henry Dunant; Frédéric Passy	—
1902	Hendrik Lorentz; Pieter Zeeman	Hermann Emil Fischer	Ronald Ross	Theodor Mommsen	Élie Ducommun; Charles Albert Gobat	—
1903	Henri Becquerel; Pierre Curie; Marie Curie	Svante Arrhenius	Niels Ryberg Finsen	Bjørnstjerne Bjørnson	Randal Cremer	—
1904	Lord Rayleigh	William Ramsay	Ivan Pavlov	Frédéric Mistral; José Echegaray	Institut de Droit International	—
1905	Philipp Lenard	Adolf von Baeyer	Robert Koch	Henryk Sienkiewicz	Bertha von Suttner	—
1906	J. J. Thomson	Henri Moissan	Camillo Golgi; Santiago Ramón y Cajal	Giosuè Carducci	Theodore Roosevelt	—
1907	Albert Abraham Michelson	Eduard Buchner	Charles Louis Alphonse Laveran	Rudyard Kipling	Ernesto Teodoro Moneta; Louis Renault	—
1908	Gabriel Lippmann	Ernest Rutherford	Élie Metchnikoff; Paul Ehrlich	Rudolf Christoph Eucken	Klas Pontus Arnoldson; Fredrik Bajer	—
1909	Karl Ferdinand Braun; Guglielmo Marconi	Wilhelm Ostwald	Emil Theodor Kocher	Selma Lagerlöf	Auguste Marie François Beernaert; Paul-Henri-Benjamin d'Estournelles de Constant	—
1910	Johannes Diderik van der Waals	Otto Wallach	Albrecht Kossel	Paul Heyse	International Peace Bureau	—
1911	Wilhelm Wien	Marie Skłodowska-Curie	Allvar Gullstrand	Maurice Maeterlinck	Tobias Asser; Alfred Hermann Fried	—
1912	Gustaf Dalén	Victor Grignard; Paul Sabatier	Alexis Carrel	Gerhart Hauptmann	Elihu Root	—
1913	Heike Kamerlingh Onnes	Alfred Werner	Charles Richet	Rabindranath Tagore	Henri La Fontaine	—
1914	Max von Laue	Theodore William Richards	Robert Bárány	<i>None</i>	<i>None</i>	—
1915	William Henry Bragg; William Lawrence Bragg	Richard Willstätter	<i>None</i>	Romain Rolland	<i>None</i>	—
1916	<i>None</i>	<i>None</i>	<i>None</i>	Verner von Heidenstam	<i>None</i>	—
1917	Charles Glover Barkla	<i>None</i>	<i>None</i>	Karl Adolph Gjellerup; Henrik Pontoppidan	International Committee of the Red Cross	—
1918	Max Planck	Fritz Haber	<i>None</i>	<i>None</i>	<i>None</i>	—
1919	Johannes Stark	<i>None</i>	Jules Bordet	Carl Spitteler	Woodrow Wilson	—
1920	Charles Édouard Guillaume	Walther Nernst	August Krogh	Knut Hamsun	Léon Bourgeois	—
1921	Albert Einstein	Frederick Soddy	<i>None</i>	Anatole France	Hjalmar Branting; Christian Lous Lange	—
1922	Niels Bohr	Francis William Aston	Archibald Hill; Otto Fritz Meyerhof	Jacinto Benavente	Fridtjof Nansen	—
1923	Robert Andrews Millikan	Fritz Pregl	Frederick Banting; John James Rickard Macleod	W. B. Yeats	<i>None</i>	—
1924	Manne Siegbahn	<i>None</i>	Willem Einthoven	Władysław Reymont	<i>None</i>	—
1925	James Franck; Gustav Ludwig Hertz	Richard Adolf Zsigmondy	<i>None</i>	George Bernard Shaw	Austen Chamberlain; Charles G. Dawes	—
1926	Jean Baptiste Perrin	Theodor Svedberg	Johannes Fibiger	Grazia Deledda	Aristide Briand; Gustav Stresemann	—
1927	Arthur Compton; Charles Thomson Rees Wilson	Heinrich Otto Wieland	Julius Wagner-Jauregg	Henri Bergson	Ferdinand Buisson; Ludwig Quidde	—
1928	Owen Willans Richardson	Adolf Otto Reinhold Windaus	Charles Nicolle	Sigrid Undset	<i>None</i>	—
1929	Louis de Broglie	Arthur Harden; Hans von Euler-Chelpin	Christiaan Eijkman; Frederick Gowland Hopkins	Thomas Mann	Frank B. Kellogg	—
1930	C. V. Raman	Hans Fischer	Karl Landsteiner	Sinclair Lewis	Nathan Söderblom	—

1931	None	Carl Bosch; Friedrich Bergius	Otto Heinrich Warburg	Erik Axel Karlfeldt	Jane Addams; Nicholas Murray Butler	—
1932	Werner Heisenberg	Irving Langmuir	Charles Scott Sherrington; Edgar Adrian	John Galsworthy	None	—
1933	Erwin Schrödinger; Paul Dirac	None	Thomas Hunt Morgan	Ivan Bunin	Norman Angell	—
1934	None	Harold Urey	George Whipple; George Minot; William P. Murphy	Luigi Pirandello	Arthur Henderson	—
1935	James Chadwick	Frédéric Joliot-Curie; Irène Joliot-Curie	Hans Spemann	None	Carl von Ossietzky	—
1936	Victor Francis Hess; Carl David Anderson	Peter Debye	Henry Hallett Dale; Otto Loewi	Eugene O'Neill	Carlos Saavedra Lamas	—
1937	Clinton Davisson; George Paget Thomson	Norman Haworth; Paul Karrer	Albert Szent-Györgyi	Roger Martin du Gard	The Viscount Cecil of Chelwood	—
1938	Enrico Fermi	Richard Kuhn	Corneille Heymans	Pearl S. Buck	Nansen International Office For Refugees	—
1939	Ernest Lawrence	Adolf Butenandt; Leopold Ružička	Gerhard Domagk	Frans Eemil Sillanpää	None	—
1940	None	None	None	None	None	—
1941	None	None	None	None	None	—
1942	None	None	None	None	None	—
1943	Otto Stern	George de Hevesy	Henrik Dam; Edward Adelbert Doisy	None	None	—
1944	Isidor Isaac Rabi	Otto Hahn	Joseph Erlanger; Herbert Spencer Gasser	Johannes Vilhelm Jensen	International Committee of the Red Cross	—
1945	Wolfgang Pauli	Artturi Ilmari Virtanen	Alexander Fleming; Ernst Boris Chain; Howard Florey	Gabriela Mistral	Cordell Hull	—
1946	Percy Williams Bridgman	James B. Sumner; John Howard Northrop; Wendell Meredith Stanley	Hermann Joseph Muller	Hermann Hesse	Emily Greene Balch; John Mott	—
1947	Edward Victor Appleton	Robert Robinson	Carl Ferdinand Cori; Gerty Cori; Bernardo Houssay	André Gide	Friends Service Council; American Friends Service Committee	—
1948	Patrick Blackett	Arne Tiselius	Paul Hermann Müller	T. S. Eliot	None	—
1949	Hideki Yukawa	William GIAUQUE	Walter Rudolf Hess; António Egas Moniz	William Faulkner	John Boyd Orr	—
1950	C. F. Powell	Otto Diels; Kurt Alder	Philip Showalter Hench; Edward Calvin Kendall; Tadeus Reichstein	Bertrand Russell	Ralph Bunche	—
1951	John Cockcroft; Ernest Walton	Edwin McMillan; Glenn T. Seaborg	Max Theiler	Pär Lagerkvist	Léon Jouhaux	—
1952	Felix Bloch; Edward Mills Purcell	Archer John Porter Martin; Richard Laurence Millington Synge	Selman Waksman	François Mauriac	Albert Schweitzer	—
1953	Frits Zernike	Hermann Staudinger	Hans Adolf Krebs; Fritz Albert Lipmann	Winston Churchill	George Marshall	—
1954	Max Born; Walther Bothe	Linus Pauling	John Franklin Enders; Frederick Chapman Robbins; Thomas Huckle Weller	Ernest Hemingway	United Nations High Commissioner for Refugees	—
1955	Willis Lamb; Polykarp Kusch	Vincent du Vigneaud	Hugo Theorell	Halldór Laxness	None	—
1956	John Bardeen; Walter Houser Brattain; William Shockley	Cyril Norman Hinshelwood; Nikolay Semyonov	André Frédéric Cournand; Werner Forssmann; Dickinson W. Richards	Juan Ramón Jiménez	None	—
1957	Chen Ning Yang; Tsung-Dao Lee	The Lord Todd	Daniel Bovet	Albert Camus	Lester B. Pearson	—

1958	Pavel Cherenkov; Ilya Frank; Igor Tamm	Frederick Sanger	George Wells Beadle; Edward Lawrie Tatum; Joshua Lederberg	Boris Pasternak[C]	Dominique Pire	—
1959	Emilio G. Segrè; Owen Chamberlain	Jaroslav Heyrovský	Arthur Kornberg; Severo Ochoa	Salvatore Quasimodo	Philip Noel-Baker	—
1960	Donald A. Glaser	Willard Libby	Frank Macfarlane Burnet; Peter Medawar	Saint-John Perse	Albert Lutuli	—
1961	Robert Hofstadter; Rudolf Mössbauer	Melvin Calvin	Georg von Békésy	Ivo Andrić	Dag Hammarskjöld	—
1962	Lev Landau	Max Perutz; John Kendrew	Francis Crick; James D. Watson; Maurice Wilkins	John Steinbeck	Linus Pauling	—
1963	Eugene Wigner; Maria Goeppert-Mayer; J. Hans D. Jensen	Karl Ziegler; Giulio Natta	John Eccles; Alan Lloyd Hodgkin; Andrew Huxley	Giorgos Seferis	International Committee of the Red Cross; League of Red Cross societies	—
1964	Charles Hard Townes; Nikolay Basov; Alexander Prokhorov	Dorothy Hodgkin	Konrad Emil Bloch; Feodor Felix Konrad Lynen	Jean-Paul Sartre[D]	Martin Luther King, Jr.	—
1965	Sin-Itiro Tomonaga; Julian Schwinger; Richard Feynman	Robert Burns Woodward	François Jacob; André Michel Lwoff; Jacques Monod	Mikhail Sholokhov	United Nations International Children's Emergency Fund (UNICEF)	—
1966	Alfred Kastler	Robert S. Mulliken	Francis Peyton Rous; Charles Brenton Huggins	Shmuel Yosef Agnon; Nelly Sachs	None	—
1967	Hans Bethe	Manfred Eigen; Ronald George Wreyford Norrish; George Porter	Ragnar Granit; Haldan Keffer Hartline; George Wald	Miguel Ángel Asturias	None	—
1968	Luis Walter Alvarez	Lars Onsager	Robert W. Holley; Har Gobind Khorana; Marshall Warren Nirenberg	Yasunari Kawabata	René Cassin	—
1969	Murray Gell-Mann	Derek Barton; Odd Hassel	Max Delbrück; Alfred Hershey; Salvador Luria	Samuel Beckett	International Labour Organization	Ragnar Frisch; Jan Tinbergen
1970	Hannes Alfvén; Louis Néel	Luis Federico Leloir	Julius Axelrod; Ulf von Euler; Bernard Katz	Aleksandr Solzhenitsyn	Norman Borlaug	Paul Samuelson
1971	Dennis Gabor	Gerhard Herzberg	Earl Wilbur Sutherland, Jr.	Pablo Neruda	Willy Brandt	Simon Kuznets
1972	John Bardeen; Leon Cooper; John Robert Schrieffer	Christian B. Anfinsen; Stanford Moore; William Howard Stein	Gerald Edelman; Rodney Robert Porter	Heinrich Böll	None	John Hicks; Kenneth Arrow
1973	Leo Esaki; Ivar Giaever; Brian David Josephson	Ernst Otto Fischer; Geoffrey Wilkinson	Karl von Frisch; Konrad Lorenz; Nikolaas Tinbergen	Patrick White	Henry Kissinger; Le Duc Tho	Wassily Leontief
1974	Martin Ryle; Antony Hewish	Paul Flory	Albert Claude; Christian de Duve; George Emil Palade	Eyvind Johnson; Harry Martinson	Seán MacBride; Eisaku Satō	Gunnar Myrdal; Friedrich Hayek
1975	Aage Bohr; Ben Roy Mottelson; James Rainwater	John Cornforth; Vladimir Prelog	David Baltimore; Renato Dulbecco; Howard Martin Temin	Eugenio Montale	Andrei Sakharov	Leonid Kantorovich; Tjalling Koopmans
1976	Burton Richter; Samuel C. C. Ting	William Lipscomb	Baruch Samuel Blumberg; Daniel Carleton Gajdusek	Saul Bellow	Betty Williams; Mairead Maguire	Milton Friedman
1977	Philip Warren Anderson; Nevill Francis Mott; John Hasbrouck Van Vleck	Ilya Prigogine	Roger Guillemin; Andrew Schally; Rosalyn Sussman Yalow	Vicente Aleixandre	Amnesty International	Bertil Ohlin; James Meade
1978	Pyotr Kapitsa; Arno Allan Penzias; Robert Woodrow Wilson	Peter D. Mitchell	Werner Arber; Daniel Nathans; Hamilton O. Smith	Isaac Bashevis Singer	Anwar Sadat; Menachem Begin	Herbert A. Simon

1979	Sheldon Lee Glashow; Abdus Salam; Steven Weinberg	Herbert C. Brown; Georg Wittig	Allan McLeod Cormack; Godfrey Hounsfield	Odysseas Elytis	Mother Teresa	Theodore Schultz; Arthur Lewis
1980	James Cronin; Val Logsdon Fitch	Paul Berg; Walter Gilbert; Frederick Sanger	Baruj Benacerraf; Jean Dausset; George Davis Snell	Czesław Miłosz	Adolfo Pérez Esquivel	Lawrence Klein
1981	Nicolaas Bloembergen; Arthur Leonard Schawlow; Kai Siegbahn	Kenichi Fukui; Roald Hoffmann	Roger Wolcott Sperry; David H. Hubel; Torsten Wiesel	Elias Canetti	United Nations High Commissioner for Refugees	James Tobin
1982	Kenneth G. Wilson	Aaron Klug	Sune Bergström; Bengt I. Samuelsson; John Vane	Gabriel García Márquez	Alva Myrdal; Alfonso García Robles	George Stigler
1983	Subrahmanyam Chandrasekhar; William Alfred Fowler	Henry Taube	Barbara McClintock	William Golding	Lech Wałęsa	Gérard Debreu
1984	Carlo Rubbia; Simon van der Meer	Robert Bruce Merrifield	Niels Kaj Jerne; Georges J. F. Köhler; César Milstein	Jaroslav Seifert	Desmond Tutu	Richard Stone
1985	Klaus von Klitzing	Herbert A. Hauptman; Jerome Karle	Michael Stuart Brown; Joseph L. Goldstein	Claude Simon	International Physicians for the Prevention of Nuclear War	Franco Modigliani
1986	Ernst Ruska; Gerd Binnig; Heinrich Rohrer	Dudley R. Herschbach; Yuan T. Lee; John Polanyi	Stanley Cohen; Rita Levi-Montalcini	Wole Soyinka	Elie Wiesel	James M. Buchanan
1987	Johannes Georg Bednorz; Karl Alexander Müller	Donald J. Cram; Jean-Marie Lehn; Charles J. Pedersen	Susumu Tonegawa	Joseph Brodsky	Óscar Arias	Robert Solow
1988	Leon M. Lederman; Melvin Schwartz; Jack Steinberger	Johann Deisenhofer; Robert Huber; Hartmut Michel	James W. Black; Gertrude B. Elion; George H. Hitchings	Naguib Mahfouz	United Nations Peace-Keeping Forces	Maurice Allais
1989	Norman Foster Ramsey, Jr.; Hans Georg Dehmelt; Wolfgang Paul	Sidney Altman; Thomas Cech	J. Michael Bishop; Harold E. Varmus	Camilo José Cela	Tenzin Gyatso (The 14th Dalai Lama)	Trygve Haavelmo
1990	Jerome Isaac Friedman; Henry Way Kendall; Richard E. Taylor	Elias James Corey	Joseph Murray; E. Donnall Thomas	Octavio Paz	Mikhail Gorbachev	Harry Markowitz; Merton Miller; William F. Sharpe
1991	Pierre-Gilles de Gennes	Richard R. Ernst	Erwin Neher; Bert Sakmann	Nadine Gordimer	Aung San Suu Kyi	Ronald Coase
1992	Georges Charpak	Rudolph A. Marcus	Edmond H. Fischer; Edwin G. Krebs	Derek Walcott	Rigoberta Menchú	Gary Becker
1993	Russell Alan Hulse; Joseph Hooton Taylor, Jr.	Kary Mullis; Michael Smith	Richard J. Roberts; Phillip Allen Sharp	Toni Morrison	Nelson Mandela; F. W. de Klerk	Robert Fogel; Douglass North
1994	Bertram Brockhouse; Clifford Shull	George Andrew Olah	Alfred G. Gilman; Martin Rodbell	Kenzaburō Ōe	Yasser Arafat; Shimon Peres; Yitzhak Rabin	John Harsanyi; John Forbes Nash, Jr.; Reinhard Selten
1995	Martin Lewis Perl; Frederick Reines	Paul J. Crutzen; Mario J. Molina; Frank Sherwood Rowland	Edward B. Lewis; Christiane Nüsslein-Volhard; Eric F. Wieschaus	Seamus Heaney	Joseph Rotblat; Pugwash Conferences on Science and World Affairs	Robert Lucas, Jr.
1996	David Lee; Douglas Osheroff; Robert Coleman Richardson	Robert F. Curl Jr.; Harry Kroto; Richard Smalley	Peter C. Doherty; Rolf M. Zinkernagel	Wisława Szymborska	Carlos Filipe Ximenes Belo; José Ramos-Horta	James Mirrlees; William Vickrey
1997	Steven Chu; Claude Cohen-Tannoudji; William Daniel Phillips	Paul D. Boyer; John E. Walker; Jens Christian Skou	Stanley B. Prusiner	Dario Fo	International Campaign to Ban Landmines; Jody Williams	Robert C. Merton; Myron Scholes
1998	Robert B. Laughlin; Horst Ludwig Störmer; Daniel C. Tsui	Walter Kohn; John Pople	Robert F. Furchgott; Louis Ignarro; Ferid Murad	José Saramago	John Hume; David Trimble	Amartya Sen
1999	Gerard 't Hooft; Martinus J. G. Veltman	Ahmed Zewail	Günter Blobel	Günter Grass	Médecins Sans Frontières	Robert Mundell

2000	Zhores Alferov; Herbert Kroemer; Jack Kilby	Alan J. Heeger; Alan MacDiarmid; Hideki Shirakawa	Arvid Carlsson; Paul Greengard; Eric Kandel	Gao Xingjian	Kim Dae-jung	James Heckman; Daniel McFadden
2001	Eric Allin Cornell; Wolfgang Ketterle; Carl Wieman	William Standish Knowles; Ryōji Noyori; Karl Barry Sharpless	Leland H. Hartwell; Tim Hunt; Paul Nurse	V. S. Naipaul	United Nations; Kofi Annan	George Akerlof; Michael Spence; Joseph Stiglitz
2002	Raymond Davis, Jr.; Masatoshi Koshiba; Riccardo Giacconi	John Fenn; Koichi Tanaka; Kurt Wüthrich	Sydney Brenner; H. Robert Horvitz; John Sulston	Imre Kertész	Jimmy Carter	Daniel Kahneman; Vernon L. Smith
2003	Alexei Alexeyevich Abrikosov; Vitaly Ginzburg; Anthony James Leggett	Peter Agre; Roderick MacKinnon	Paul Lauterbur; Peter Mansfield	J. M. Coetzee	Shirin Ebadi	Robert F. Engle; Clive Granger
2004	David Gross; Hugh David Politzer; Frank Wilczek	Aaron Ciechanover; Avram Hershko; Irwin Rose	Richard Axel; Linda B. Buck	Elfriede Jelinek	Wangari Maathai	Finn E. Kydland; Edward C. Prescott
2005	Roy J. Glauber; John L. Hall; Theodor W. Hänsch	Yves Chauvin; Robert H. Grubbs; Richard R. Schrock	Barry Marshall; Robin Warren	Harold Pinter	International Atomic Energy Agency; Mohamed ElBaradei	Robert Aumann; Thomas Schelling
2006	John C. Mather; George Smoot	Roger D. Kornberg	Andrew Fire; Craig Mello	Orhan Pamuk	Muhammad Yunus; Grameen Bank	Edmund Phelps
2007	Albert Fert; Peter Grünberg	Gerhard Ertl	Mario Capecchi; Martin Evans; Oliver Smithies	Doris Lessing	Intergovernmental Panel on Climate Change; Al Gore	Leonid Hurwicz; Eric Maskin; Roger Myerson
2008	Yoichiro Nambu; Makoto Kobayashi; Toshihide Maskawa	Osamu Shimomura; Martin Chalfie; Roger Y. Tsien	Harald zur Hausen; Françoise Barré-Sinoussi; Luc Montagnier	J. M. G. Le Clézio	Martti Ahtisaari	Paul Krugman
2009	Charles K. Kao; Willard S. Boyle; George E. Smith	Venkatraman Ramakrishnan; Thomas A. Steitz; Ada Yonath	Elizabeth Blackburn; Carol W. Greider; Jack W. Szostak	Herta Müller	Barack Obama	Elinor Ostrom; Oliver E. Williamson
2010	Andre Geim; Konstantin Novoselov	Richard F. Heck; Ei-ichi Negishi; Akira Suzuki	Robert G. Edwards	Mario Vargas Llosa	Liu Xiaobo[F]	Peter A. Diamond; Dale T. Mortensen; Christopher A. Pissarides
2011	Saul Perlmutter; Adam G. Riess; Brian Schmidt	Dan Shechtman	Bruce Beutler; Jules A. Hoffmann; Ralph M. Steinman	Tomas Tranströmer	Ellen Johnson Sirleaf; Leymah Gbowee; Tawakel Karman	Thomas J. Sargent; Christopher A. Sims
2012	Serge Haroche; David J. Wineland	Brian K. Kobilka; Robert J. Lefkowitz	John B. Gurdon; Shinya Yamanaka	Mo Yan	European Union	Alvin E. Roth; Lloyd S. Shapley
2013	François Englert; Peter W. Higgs	Martin Karplus; Michael Levitt; Arieh Warshel	James E. Rothman; Randy W. Schekman; Thomas C. Südhof	Alice Munro	Organisation for the Prohibition of Chemical Weapons	Eugene F. Fama; Lars Peter Hansen; Robert J. Shiller
2014	Isamu Akasaki; Hiroshi Amano; Shuji Nakamura	Eric Betzig; Stefan Hell; William Moerner	John O'Keefe; May-Britt Moser; Edvard Moser	Patrick Modiano	Kailash Satyarthi; Malala Yousafzai	Jean Tirole
2015	Takaaki Kajita; Arthur B. McDonald	Tomas Lindahl; Paul L. Modrich; Aziz Sancar	William C. Campbell; Satoshi Ōmura; Tu Youyou	Svetlana Alexievich	Tunisian National Dialogue Quartet	Angus Deaton
2016[11]	David J. Thouless; Duncan Haldane; John M. Kosterlitz	Jean-Pierre Sauvage; Fraser Stoddart; Ben Feringa	Yoshinori Ohsumi	Bob Dylan	Juan Manuel Santos	Oliver Hart; Bengt R. Holmström
2017	Rainer Weiss; Barry Barish; Kip Thorne	Jacques Dubochet; Joachim Frank; Richard Henderson	Jeffrey C. Hall; Michael Rosbash; Michael W. Young	Kazuo Ishiguro	International Campaign to Abolish Nuclear Weapons	Richard Thaler
2018	Arthur Ashkin; Gérard Mourou; Donna Strickland	Frances H. Arnold; George P. Smith; Greg Winter	James P. Allison; Tasuku Honjo	None (postponed)	Denis Mukwege; Nadia Murad	William Nordhaus; Paul Romer