

Nobel Laureate Anecdotes

Part 1

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MEDICINE NOBEL LAUREATES LINKED TO CHEMISTS		
PRIZE YEAR	MEDICINE NOBEL LAUREATE	CHEMIST
1905	KOCH, ROBERT	VIRCHOW, RUDOLF C.
1910	KOSSEL, ALBRECHT	HOPPE-SEYLER, FELIX
1912	CARREL, ALEXIS	DAKIN, HENRY D.
1922	MEYERHOFF, OTTO	BENDIG, GEORG
1922	MEYERHOFF, OTTO	WARBURG, OTTO
1929	EULER-CHELPIN, HANS VON	FISCHER, EMIL
1929	HOPKINS, SIR FREDERICK G.	FRANKLAND, PERCY
1930	LANDSTEINER, KARL	HANTZSCH, ARTHUR
1930	LANDSTEINER, KARL	FISCHER, EMIL
1930	LANDSTEINER, KARL	BAMBERGER, EUGEN
1936	LOEWI, OTTO	FREUND, MARTIN
1937	SZENT-GYORGI, ALBERT	HOPKINS, SIR FREDERICK G.
1939	DOMAGK, GERHARD	HOPPE-SEYLER, GEORG
1943	DAM, HENRIK	SCHOENHEIMER, RUDOLF
1943	DAM, HENRIK	KARRER, PAUL
1943	DOISY, EDWARD A.	FOLIN, OTTO
1945	CHAIN, SIR ERNEST B.	HOPKINS, SIR FREDERICK G.
1948	MUELLER, PAUL H.	FICHTER, CARL
1950	REICHSTEIN, TADEUS	STAUDINGER, HERMANN
1950	REICHSTEIN, TADEUS	RUZICKA, LEOPOLD
1950	KENDALL, EDWARD C.	SHERMAN, HENRY C.
1953	KREBS, SIR HANS A.	WARBURG, OTTO
1953	LIPMANN, FRITZ	MEYERHOF, OTTO
1959	SEVERO, OCHOA	MEYERHOF, OTTO
1962	CRICK, FRANCIS H.C.	PERUTZ, MAX
1964	BLOCH, KONRAD	SCHOENHEIMER, RUDOLF
1964	BLOCH, KONRAD	CLARKE, HANS T.
1964	LYNEN, FEODOR	WIELAND, HEINRICH
1965	LWOFF, ANDRE	MEYERHOF, OTTO
1967	WALD, GEORGE	WARBURG, OTTO
1967	WALD, GEORGE	KARRER, PAUL

1967	WALD, GEORGE	MEYERHOF, OTTO
1968	HOLLEY, ROBERT W.	BLOMQUIST, ALFRED T.
1968	KHORANA, HAR B.	TODD, LORD ALEXANDER
1968	KHORANA, HAR B.	PRELOG, VLADIMIR
1972	PORTER, RODNEY R.	SANGER, FREDERICK
1976	GAJDUSEK, DANIEL C.	PAULING, LINUS
1977	SCHALLY, ANDREW V.	SAFFRAN, MURRAY
1978	NATHANS, DANIEL	LIPMANN, FRITZ
1982	SAMUELSSON, BENGT I.	COREY, ELIAS J.
1988	HITCHINGS, GEORGE H.	FOLIN, OTTO
1988	ELION, GERTRUDE B.	HITCHINGS, GEORGE H.
1992	FISCHER, EDMUND H.	MEYER, KURT H.
1993	ROBERTS, RICHARD J.	OLLIS, WILLIAM DAVID
1993	SHARP, PHILIPP A.	BLOOMFIELD, VICTOR A.
2002	SULSTON, JOHN E.	REESE, COLIN B.
46 chemists are associated with medicine Nobel Laureates		
37 Medicine Nobel Laureates have connections with chemists (37/180 = 20.6%)		

MEDICINE NOBEL LAUREATES LINKED TO PHYSICISTS		
PRIZE YEAR	MEDICINE NOBEL LAUREATE	PHYSICIST
1922	HILL, SIR ARCHIBALD V.	FLETCHER, SIR WALTER M.
1935	SPEMANN, HANS	ROENTGEN, WILHELM
1961	BEKESY, GEORG VON	TANGL, KARL
1962	WILKINS, MAURICE H.F.	RANDALL, SIR JOHN T.
1967	HARLINE, HALDAN K.	PFUND, AUGUST H.
1967	HARLINE, HALDAN K.	SOMMERFELD, ARNOLD
1969	DELBRUECK, MAX	BOHR, NIELS
1969	DELBRUECK, MAX	MEITNER, LISE
1969	DELBRUECK, MAX	PAULI, WOLFGANG
1969	DELBRUECK, MAX	LENNARD-JONES, JOHN E.
1976	GAJDUSEK, DANIEL C.	WEISSKOPF, VICTOR
1977	YALOW, ROSALYN	ZACHARIAS, JERROLD
1979	CORMACK, ALAN M.	FRISCH, OTTO
1979	CORMACK, ALAN M.	RAMSEY, NORMAN F.
1979	CORMACK, ALAN M.	WILSON, RICHARD
2003	LAUTERBUR, PAUL C.	POPLE, JOHN A.
15 physicists are associated with medicine Nobel Laureates		
9 Medicine Nobel Laureates have connections with physicists (10/180 = 5.6%)		

47 Medicine Nobel Laureates are directly connected with chemists or physicists (47/180 = 26.1%)

Links between Nobel Laureates

As a doctoral student:

FREQUENCY OF ADVISOR/PH.D. STUDENT NOBEL PRIZES = 104			
GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 0			
ADVISOR	PRIZE YEAR	PH.D. STUDENT	PRIZE YEAR
ABRIKOSOV, ALEXEI A.	2003 PHYS	LANDAU, LEV D.	1962 PHYS
ANDERSON, CARL DAVID	1936 PHYS	GLASER, DONALD A.	1960 PHYS
BANTING, SIR FREDERICK G.	1923 MED	MACLEOD, JOHN J.R.	1923 MED
BARDEEN, JOHN	1956 PHYS; 1972 PHYS	SCHRIEFFER, JOHN R.	1972 PHYS
BECQUEREL, ANTOINE H.	1903 PHYS	CURIE, MARIE	1903 PHYS; 1911 CHEM
BORN, MAX	1954 PHYS	GOEPPERT-MAYER, MARIA	1963 PHYS
BRAGG, SIR WILLIAM H.	1915 PHYS	BRAGG, SIR WILLIAM L.	1915 PHYS
BRAGG, SIR WILLIAM H.	1915 PHYS	APPLETON, SIR EDWARD V.	1947 PHYS
COMPTON, ARTHUR	1927 PHYS	ALVAREZ, LUIS W.	1968 PHYS
CURIE, MARIE	1903 PHYS; 1911 CHEM	JOLIOT-CURIE, IRENE	1935 CHEM
CURIE, PIERRE	1903 PHYS	JOLIOT-CURIE, IRENE	1935 CHEM
DEBYE, PETER	1936 CHEM	ONSAGER, LARS	1968 PHYS
DIELS, OTTO	1950 CHEM	ALDER, KURT	1950 CHEM
DOHERTY, PETER C.	1996 MED	ZINKERNAGEL, ROLF M.	1996 MED
DULBECCO, RENATO	1975 MED	TEMIN, HOWARD M.	1975 MED
ERLANGER, JOSEPH	1944 MED	GASSER, HERBERT S.	1944 MED
FERMI, ENRICO	1938 PHYS	RAINWATER, LEO J.	1975 PHYS
FERMI, ENRICO	1938 PHYS	SEGRE, EMILIO G.	1959 PHYS
FERMI, ENRICO	1938 PHYS	CHAMBERLAIN, OWEN	1959 PHYS
FERMI, ENRICO	1938 PHYS	STEINBERGER, JACK	1988 PHYS
FERMI, ENRICO	1938 PHYS	FRIEDMAN, JEROME I.	1990 PHYS
FERMI, ENRICO	1938 PHYS	LEE, TSUNG-DAO	1957 PHYS
FERMI, ENRICO	1938 PHYS	YANG, CHEN N.	1957 PHYS
FISCHER, EMIL	1902 CHEM	WARBURG, OTTO	1931 MED
FRANCK, JAMES	1925 PHYS	HERTZ, GUSTAV L.	1925 PHYS
GELL-MANN, MURRAY	1969 PHYS	WILSON, KENNETH G.	1982 PHYS
GLASHOW, SHELDON L.	1979 PHYS	POLITZER, H. DAVID	2004 PHYS
GROSS, DAVID J.	2004 PHYS	WILCZEK, FRANK	2004 PHYS
HABER, FRITZ	1918 CHEM	HASSEL, ODD	1969 CHEM
HEISENBERG, WERNER	1932 PHYS	BLOCH, FELIX	1952 PHYS

HEISENBERG, WERNER	1932 PHYS	TOMONAGA, SIN-ITIRO	1965 PHYS
HILL, ARCHIBALD V.	1922 MED	HODGKIN, SIR ALAN L.	1963 MED
HILL, ARCHIBALD V.	1922 MED	GASSER, HERBERT S.	1944 MED
HOPKINS, SIR FREDERICK G.	1929 MED	CHAIN, SIR ERNEST B.	1945 MED
HUBER, ROBERT	1988 CHEM	DEISENHOFER, JOHANN	1988 CHEM
JOLIOT-CURIE, FREDERIC	1935 CHEM	CHARPAK, GEORGES	1992 PHYS
KAMERLINGH-ONNES, H.	1913 PHYS	ZEEMAN, PIETER	1902 PHYS
KAPITSA, PYOTR L.	1978 PHYS	COCKCROFT, SIR JOHN D.	1951 PHYS
KARLE, JEROME	1985 CHEM	HAUPTMAN, HERBERT A.	1985 CHEM
KASTLER, ALFRED	1966 PHYS	COHEN-TANNOUDJI, CLAUDE	1997 PHYS
LAUTERBUR, PAUL C.	2003 MED	POPLE, JOHN A.	1998 CHEM
LEE, DAVID M.	1996 PHYS	OSHERHOFF, DOUGLAS D.	1996 PHYS
LIBBY, WILLARD	1960 CHEM	ROWLAND, FRANK S.	1995 CHEM
LIPSCOMB, WILLIAM M. JR.	1976 CHEM	HOFFMANN, ROALD	1981 CHEM
LURIA, SALVADOR E.	1969 MED	WATSON, JAMES D.	1962 MED
LWOFF, ANDRE	1965 MED	JACOB, FRANCOIS	1965 MED
MEYERHOF, OTTO	1922 MED	LIPMANN, FRITZ	1953 MED
MILLIKAN, ROBERT A.	1923 PHYS	ANDERSON, CARL D.	1936 PHYS
MOTTELSON, BENJAMIN	1975 PHYS	BOHR, AAGE	1975 PHYS
MULLER, KARL A.	1987 PHYS	BEDNORZ, J. GEORG	1987 PHYS
NERNST, WALTHER	1920 CHEM	LANGMUIR, IRVING	1932 CHEM
NIRENBERG, MARSHALL W.	1968 MED	GOLDSTEIN, JOSEPH L.	1985 MED
NORRISH, RONALD G.W.	1967 CHEM	PORTER, SIR GEORGE	1967 CHEM
PAULING, LINUS	1962 CHEM	LIPSCOMB, WILLIAM M. JR.	1976 CHEM
PERL, MARTIN L.	1995 PHYS	TING, SAMUEL C.C.	1976 PHYS
PERUTZ, MAX	1962 CHEM	CRICK, FRANCIS H.C.	1962 MED
PLANCK, MAX	1918 PHYS	VON LAUE, MAX	1914 PHYS
PLANCK, MAX	1918 PHYS	BOTHE, WALTER	1954 PHYS
PURCELL, EDWARD M.	1952 PHYS	BLOEMBERGEN, NICOLAS	1981 PHYS
RABI, ISIDOR I.	1944 PHYS	RAMSEY, NORMAN F.	1989 PHYS
RABI, ISIDOR I.	1944 PHYS	PERL, MARTIN L.	1995 PHYS
RABI, ISIDOR I.	1944 PHYS	SCHWINGER, JULIAN	1965 PHYS
RAINWATER, LEO J.	1975 PHYS	FITCH, VAL H.	1980 PHYS
RICHARDSON, OWEN W.	1928 PHYS	DAVISSON, CLINTON J.	1937 PHYS
RICHARDSON, OWEN	1928 PHYS	COMPTON, ARTHUR	1927 PHYS

W.			
ROBINSON, SIR ROBERT	1947 CHEM	CORNFORTH, SIR JOHN W.	1975 CHEM
RUTHERFORD, LORD ERNEST	1908 PHYS	BLACKETT, LORD PATRICK	1948 PHYS
RUTHERFORD, LORD ERNEST	1908 PHYS	MOTT, SIR NEVILL F.	1977 PHYS
RUTHERFORD, LORD ERNEST	1908 PHYS	KAPITSA, PYOTR L.	1978 PHYS
RUTHERFORD, LORD ERNEST	1908 PHYS	CHADWICK, SIR JAMES	1935 PHYS
RUTHERFORD, LORD ERNEST	1908 PHYS	SODDY, FREDERICK	1921 CHEM
RUTHERFORD, LORD ERNEST	1908 PHYS	WALTON, ERNEST T.L.	1951 PHYS
RUZICKA, LEOPOLD	1939 CHEM	STAUDINGER, HERMANN	1953 CHEM
RYLE, SIR MARTIN	1974 PHYS	HEWISH, ANTONY	1974 PHYS
SALAM, ABDUS	1979 PHYS	GILBERT, WALTER	1980 CHEM
SANGER, FREDERICK	1958 CHEM; 1980 CHEM	PORTER, RODNEY R.	1972 MED
SCHWINGER, JULIAN	1965 PHYS	KOHN, WALTER	1998 CHEM
SCHWINGER, JULIAN	1965 PHYS	GLASHOW, SHELDON L.	1979 PHYS
SHERRINGTON, SIR CHARLES S.	1932 MED	ECCLES, SIR JOHN C.	1963 MED
SIEGBAHN, KARL M.G.	1924 PHYS	ALFVEN, HANNES O.G.	1970 PHYS
STAUDINGER, HERMANN	1953 CHEM	REICHSTEIN, TADEUS	1950 MED
STEINBERGER, JACK	1988 PHYS	SCHWARTZ, MELVIN	1988 PHYS
SUTHERLAND, EARL JR.	1971 MED	MURAD, FERID	1998 MED
SVEDBERG, THEODORE	1926 CHEM	TISELIUS, ARNE	1948 CHEM
TATUM, EDWARD L.	1958 MED	LEDERBERG, JOSHUA	1958 MED
TAYLOR, JOSEPH H. JR.	1993 PHYS	HULSE, RUSSELL A.	1993 PHYS
THOMSON, SIR JOSEPH J.	1906 PHYS	WILSON, CHARLES T.R.	1927 PHYS
THOMSON, SIR JOSEPH J.	1906 PHYS	RUTHERFORD, LORD ERNEST	1908 PHYS
THOMSON, SIR JOSEPH J.	1906 PHYS	THOMSON, SIR GEORGE P.	1937 PHYS
THOMSON, SIR JOSEPH J.	1906 PHYS	BRAGG, SIR WILLIAM H.	1915 PHYS
THOMSON, SIR JOSEPH J.	1906 PHYS	BARKLA, CHARLES G.	1917 PHYS
THOMSON, SIR JOSEPH J.	1906 PHYS	RICHARDSON, OWEN W.	1928 PHYS
TOWNES, CHARLES H.	1964 PHYS	PENZIAS, ARNO A.	1978 PHYS
VAN VLECK, JOHN H.	1977 PHYS	ANDERSON, PHILIP W.	1977 PHYS
VELTMAN, MARTINUS J.G.	1999 PHYS	HOOFT, GERARDUS 'T	1999 PHYS
VON BAEYER, ADOLF	1905 CHEM	FISCHER, EMIL	1902 CHEM

VON BAEYER, ADOLF	1905 CHEM	BUCHNER, EDUARD	1907 CHEM
WALLACH, OTTO	1910 CHEM	HAWORTH, SIR WALTER N.	1937 CHEM
WARBURG, OTTO	1931 MED	MEYERHOF, OTTO	1922 MED
WERNER, ALFRED	1913 CHEM	KARRER, PAUL	1937 CHEM
WIGNER, EUGENE	1963 PHYS	BARDEEN, JOHN	1956 PHYS; 1972 PHYS
WILLSTAETTER, RICHARD	1915 CHEM	KUHN, RICHARD	1938 CHEM
WILSON, CHARLES T.R.	1927 PHYS	POWELL, CECIL F.	1950 PHYS
WINDAUS, ADOLF	1928 CHEM	BUTENANDT, ADOLF	1939 CHEM

As a Post-doctoral Fellow

FREQUENCY OF ADVISOR/POST-DOCTORAL FELLOW NOBEL PRIZES = 51			
GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 0			
ADVISOR	PRIZE YEAR	POST-DOC FELLOW	PRIZE YEAR
AXEL, RICHARD	2004 MED	BUCK, LINDA	2004 MED
BOHR, NIELS	1922 PHYS	LANDAU, LEV D.	1962 PHYS
CHAIN, SIR ERNEST B.	1945 MED	TODD, LORD ALEXANDER	1957 CHEM
COOPER, LEON N.	1972 PHYS	RAINWATER, LEO J.	1975 PHYS
COREY, ELIAS J.	1990 CHEM	NOYORI, RYOJI	2001 CHEM
CORI, CARL FERDINAND	1947 MED	KREBS, EDWIN G.	1992 MED
CORI, CARL FERDINAND	1947 MED	LELOIR, LUIS F.	1970 CHEM
DALE, SIR HENRY H.	1936 MED	EULER, ULF SVANTE VON	1970 MED
DALE, SIR HENRY H.	1936 MED	GASSER, HERBERT S.	1944 MED
DALE, SIR HENRY H.	1936 MED	RICHARDS, DICKINSON W.	1956 MED
DULBECCO, RENATO	1975 MED	HARTWELL, LELAND H.	2001 MED
DULBECCO, RENATO	1975 MED	TONEWAGA, SUSUMU	1987 MED
EHRlich, PAUL	1908 MED	DALE, SIR HENRY H.	1936 MED
ENDERS, JOHN F.	1954 MED	ROBBINS, FREDERICK C.	1954 MED
FISCHER, EMIL	1902 CHEM	PREGL, FRITZ	1923 CHEM
FISCHER, EMIL	1902 CHEM	LANDERSTEINER, KARL	1930 MED
GASSER, HERBERT S.	1944 MED	HODGKIN, SIR ALAN L.	1963 MED
HEEGER, ALAN J.	2000 CHEM	SHIRAKAWA, HIDEKI	2000 CHEM
HILL, SIR ARCHIBALD V.	1922 MED	GASSER, HERBERT S.	1944 MED
HITCHINGS, GEORGE H.	1988 MED	ELION, GERTRUDE B.	1988 MED
HOPKINS, SIR FREDERICK G.	1929 MED	SZENT-GYORGI, ALBERT	1937 MED
HOPKINS, SIR FREDERICK G.	1929 MED	LELOIR, LUIS F.	1970 CHEM
HUBEL, DAVID	1981 MED	WIESEL, TORSTEN N.	1981 MED
KATZ, SIR BERNARD	1970 MED	SAKMANN, BERT	1991 MED

KOCH, ROBERT	1905 MED	BEHRING, EMIL A. VON	1901 MED
KORNBERG, ARTHUR	1959 MED	BERG, PAUL	1980 CHEM
LEGGETT, ANTHONY J.	2003 PHYS	BARDEEN, JOHN	1956 PHYS
LEGGETT, ANTHONY J.	2003 PHYS	BARDEEN, JOHN	1972 PHYS
LOEWI, OTTO	1936 MED	CORI, CARL FERDAND	1947 MED
MEYERHOFF, OTTO	1922 MED	LWOFF, ANDRE	1965 MED
MEYERHOFF, OTTO	1922 MED	SEVERO, OCHOA	1959 MED
MILSTEIN, CESAR	1984 MED	KOEHLER, GEORGE J.F.	1984 MED
MORGAN, THOMAS H.	1933 MED	MONOD, JACQUES L.	1965 MED
NATHANS, DANIEL	1978 MED	LIPMANN, FRITZ	1953 MED
NIRENBERG, MARSHALL W.	1968 MED	GILMAN, ALFRED G.	1994 MED
OCHOA, SEVERO	1959 MED	ROSE, IRWIN A.	2004 CHEM
OSTWALD, WILHELM	1909 CHEM	PREGL, FRITZ	1923 CHEM
PALADE, GEORGE E.	1974 MED	BLOBEL, GUENTER	1999 MED
PAULI, WOLFGANG	1945 PHYS	RABI, ISIDOR I.	1944 PHYS
PRELOG, VLADIMIR	1975 CHEM	KHORANA, HAR B.	1968 MED
RABI, ISIDOR I.	1944 PHYS	KUSCH, POLYKARP	1955 PHYS
ROBINSON, SIR ROBERT	1947 CHEM	TODD, LORD ALEXANDER	1957 CHEM
ROENTGEN, WILHELM	1901 PHYS	SPEMANN, HANS	1935 MED
SHERRINGTON, SIR CHARLES S.	1932 MED	GRANIT, RAGNAR A.	1967 MED
SIEGBAHN, KARL MANNE	1924 PHYS	SIEGBAHN, KAI MANNE	1981 PHYS
STAUDINGER, HERMAN	1953 CHEM	NATTA, GIULIO	1963 CHEM
THEORELL, HUGO	1955 MED	DE DUVE, CHRISTIAN R.	1974 MED
THEORELL, HUGO	1955 MED	ANFINSEN, CHRISTIAN B.	1972 CHEM
TODD, LORD ALEXANDER	1957 CHEM	KHORANA, HAR B.	1968 MED
TOWNES, CHARLES H.	1964 PHYS	SCHAWLOW, ARTHUR L.	1981 PHYS
WARBURG, OTTO	1931 MED	THEORELL, A.H.T.	1955 MED
WARBURG, OTTO	1931 MED	KREBS, SIR HANS A.	1953 MED

GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 1			
ANCESTOR	PRIZE YEAR	DECENDANT	PRIZE YEAR
ALVAREZ, LUIS W.	1968 PHYS	TAYLOR, RICHARD E.	1992 PHYS
APPLETON, SIR EDWARD V.	1947 PHYS	RYLE, SIR MARTIN	1974 PHYS
BARDEEN, JOHN	1956 PHYS, 1972 PHYS	VON KLITZING, KLAUS	1985 PHYS
BARKLA, CHARLES G.	1917 PHYS	BROCKHOUSE, BERTRAM	1994 PHYS
BLACKETT, LORD PATRICK	1948 PHYS	BROCKHOUSE, BERTRAM	1994 PHYS
BOHR, NIELS	1922 PHYS	FEYNMAN, RICHARD P.	1965 PHYS

BORN, MAX	1954 PHYS	LAMB, WILLIS E. JR.	1955 PHYS
BORN, MAX	1954 PHYS	GAJDUSEK, DANIEL C.	1976 MED
BORN, MAX	1954 PHYS	GELL-MANN, MURRAY	1969 PHYS
BRAGG, SIR WILLIAM H.	1915 PHYS	PERUTZ, MAX	1962 CHEM
BRAGG, SIR WILLIAM H.	1915 PHYS	HODGKIN, DOROTHY C.	1964 CHEM
BRAGG, SIR WILLIAM H.	1915 PHYS	WILKINS, MAURICE H.F.	1962 MED
BRAGG, SIR WILLIAM H.	1915 PHYS	KENDREW, JOHN	1962 CHEM
BRIDGMAN, PERCY W.	1946 PHYS	VAN VLECK, JOHN H.	1977 PHYS
BRIDGMAN, PERCY W.	1946 PHYS	SHOCKLEY, WILLIAM B.	1956 PHYS
BUTENANDT, ADOLF	1939 CHEM	HUBER, ROBERT	1988 CHEM
CURIE, PIERRE	1903 PHYS	JOLIOT, JEAN F.	1935 PHYS
FERMI, ENRICO	1938 PHYS	RUBBIA, CARLO	1984 PHYS
FISCHER, EMIL	1902 CHEM	OLAH, GEORGE A.	1994 CHEM
FRANCK, JAMES	1925 PHYS	MOSSBAUER, RUDOLF L.	1961 PHYS
FRANCK, JAMES	1925 PHYS	BRITTAIN, WALTER H.	1956 PHYS
GIAUQUE, WILLIAM F.	1949 CHEM	FLORY, PAUL J.	1974 CHEM
HEISENBERG, WERNER	1932 PHYS	RAINWATER, LEO J.	1975 PHYS
HILL, ARCHIBALD V.	1922 MED	DIRAC, PAUL	1933 PHYS
HILL, ARCHIBALD V.	1922 MED	CHANDRASEKHAR, S.	1983 PHYS
KUSCH, POLYKARP	1955 PHYS	CHU, STEVEN	1997 PHYS
LYNEN, FEODOR	1964 MED	MICHEL, HARTMUT	1988 CHEM
MILLIKAN, ROBERT A.	1923 PHYS	FOWLER, WILLIAM A.	1983 PHYS
MOTT, SIR NEVILL F.	1977 PHYS	DE GENNES, PIERRE G.	1991 PHYS
NERNST, WALTHER	1920 CHEM	EIGEN, MANFRED	1967 CHEM
OSTWALD, WILHELM	1909 CHEM	HEYROVSKY, JAROSLAV	1959 CHEM
OSTWALD, WILHELM	1909 CHEM	MEYERHOF, OTTO	1922 MED
PAULING, LINUS	1954 CHEM	HERSCHBACH, DUDLEY	1986 CHEM
PAULING, LINUS	1954 CHEM	KARLE, JEROME	1985 CHEM
PAULING, LINUS	1954 CHEM	ALTMAN, SYDNEY	1989 CHEM
PAULING, LINUS	1954 CHEM	TOWNES, CHARLES H.	1964 PHYS
PORTER, SIR GEORGE	1967 CHEM	ZEWAIL, AHMED	1999 CHEM
PRIGOGINE, ILYA	1977 CHEM	VELTMAN, MARTINUS J.G.	1999 PHYS
RABI, ISIDOR I.	1944 PHYS	RICHTER, BURTIN	1976 PHYS
RAMSEY, NORMAN F.	1989 PHYS	PHILLIPS, WILLIAM D.	1997 PHYS
RICHARDS, THEODORE W.	1914 CHEM	LIBBY, WILLARD	1960 CHEM
RICHARDS, THEODORE W.	1914 CHEM	UREY, HAROLD	1934 CHEM
RICHARDS, THEODORE W.	1914 CHEM	MACDIARMID, ALAN G.	2000 CHEM
RICHARDS, THEODORE W.	1914 CHEM	STANLEY, WENDELL	1946 CHEM
ROBINSON, SIR ROBERT	1947 CHEM	WALKER, JOHN E.	1997 CHEM
SHOCKLEY, WILLIAM B.	1956 PHYS	STORMER, HORST L.	1998 PHYS
TODD, LORD ALEXANDER	1957 CHEM	SULSTON, JOHN E.	2002 MED

UREY, HAROLD	1934 CHEM	DAM, HENRIK	1943 MED
UREY, HAROLD	1934 CHEM	BLOCH, KONRAD	1964 MED
VAN VLECK, JOHN H.	1977 PHYS	COOPER, LEON N.	1972 PHYS
VON BAEYER, ADOLF	1905 CHEM	HABER, FRITZ	1918 CHEM
VON BAEYER, ADOLF	1905 CHEM	HARDEN, ARTHUR H.	1929 CHEM
VON BAEYER, ADOLF	1905 CHEM	WILLSTAETTER, RICHARD	1915 CHEM
VON BAEYER, ADOLF	1905 CHEM	KREBS, SIR HANS A.	1953 MED
VON BAEYER, ADOLF	1905 CHEM	WALD, GEORGE	1967 MED
VON BAEYER, ADOLF	1905 CHEM	VIRTANEN, ARTURRI	1945 CHEM
WALLACH, OTTO	1910 CHEM	TODD, LORD ALEXANDER	1957 CHEM
WIEN, WILHELM	1911 PHYS	HERZBERG, GERHARD	1971 CHEM
WIGNER, EUGENE	1963 PHYS	GIAEVER, IVAR	1973 PHYS
WOODWARD, ROBERT B.	1965 CHEM	ROBERTS, RICHARD J.	1993 MED

GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 2			
ANCESTOR	PRIZE YEAR	DECENDANT	PRIZE YEAR
BAEYER, ADOLF VON	1905 CHEM	HUBER, ROBERT	1988 CHEM
BETHE, HANS A.	1967 PHYS	VELTMAN, MARTINUS J.G.	1999 PHYS
BORN, MAX	1954 PHYS	SALAM, ABDUS	1979 PHYS
BRAUN, KARL F.	1909 PHYS	RUSKA, ERNST	1986 PHYS
COMPTON, ARTHUR H.	1927 PHYS	TSUI, DANIEL C.	1998 PHYS
CURIE, PIERRE	1903 PHYS	NEEL, LOUIS	1970 PHYS
DEBYE, PETER	1936 CHEM	MULLER, KARL A.	1987 PHYS
FERMI, ENRICO	1938 PHYS	GROSS, DAVID J.	2004 PHYS
HILL, ARCHIBALD V.	1922 MED	KLUG, AARON	1982 CHEM
HILL, ARCHIBALD V.	1922 MED	DELBRUECK, MAX	1969 MED
HILL, ARCHIBALD V.	1922 MED	POPLE, JOHN A.	1998 CHEM
HOPKINS, SIR FREDERICK G.	1929 MED	MITCHELL, PETER	1978 CHEM
KOSSEL, ALBRECHT	1910 MED	BOYER, PAUL D.	1997 CHEM
MILLIKAN, ROBERT A.	1923 PHYS	KENDALL, HENRY W.	1990 PHYS
NERNST, WALTER	1920 CHEM	ROHRER, HEINRICH	1986 PHYS
OSTWALD, WILHELM	1909 CHEM	TAUBE, HENRY	1983 CHEM
OSTWALD, WILHELM	1909 CHEM	PAULING, LINUS	1954 CHEM
OSTWALD, WILHELM	1909 CHEM	SANGER, FREDERICK	1958 CHEM; 1980 CHEM
OSTWALD, WILHELM	1909 CHEM	HASSEL, ODD	1969 CHEM
RICHARDS, THEODORE W.	1914 CHEM	MARCUS, RUDOLF	1992 CHEM
ROBINSON, SIR ROBERT	1947 CHEM	ROBERTS, RICHARD J.	1993 MED
ROENTGEN, WILHELM	1901 PHYS	PAUL, WOLFGANG	PHYS 1989
RUTHERFORD, ERNEST	1908 PHYS	JOSEPHSON, BRIAN D.	1973 PHYS
RUZICKA, LEOPOLD	1939 CHEM	ERNST, RICHARD R.	1991 CHEM

THOMSON, SIR JOSEPH J.	1906 PHYS	SCHAWLOW, ARTHUR L.	1981 PHYS
WOODWARD, ROBERT B.	1965 CHEM	NOYORI, RYOJI	2001 CHEM

GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 3			
ANCESTOR	PRIZE YEAR	DECENDANT	PRIZE YEAR
BARKLA, CHARLES G.	1917 PHYS	SHULL, CLIFFORD G.	1956 PHYS
CHADWICK, JAMES	1935 PHYS	LEE, DAVID M.	1996 PHYS
FERMI, ENRICO	1938 PHYS	WILCZEK, FRANK	2004 PHYS
LIPSCOMB, WILLIAM N. JR.	1976 CHEM	SMALLEY, RICHARD E.	1996 CHEM
MACLEOD, JOHN J.R.	1923 MED	SCHALLY, ANDREW V.	1977 MED
NERNST, WALTER	1920 CHEM	MASATOSHI, KOSHIBA	2002 PHYS
OSTWALD, WILHELM	1909 CHEM	POLANYI, JOHN C.	1986 CHEM
RICHARDS, THEODORE W.	1914 CHEM	CURL, ROBERT J. JR.	1996 CHEM
RICHARDS, THEODORE W.	1914 CHEM	CALVIN, MELVIN	1961 CHEM
RICHARDS, THEODORE W.	1914 CHEM	HOLLEY, ROBERT W.	1968 MED
RICHARDSON, OWEN W.	1928 PHYS	PURCELL, EDWARD M.	1952 PHYS
RICHARDSON, OWEN W.	1928 PHYS	REINES, FREDERICK	1995 PHYS
RUTHERFORD, ERNEST	1908 PHYS	LEE, DAVID M.	1996 PHYS

GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 4			
ANCESTOR	PRIZE YEAR	DECENDANT	PRIZE YEAR
KOSSEL, ALBRECHT	1910 MED	ROSE, IRWIN A.	2004 CHEM
MACKINNON, RODERICK	2003 CHEM	HILL, ARCHIBALD V.	1922 MED
MACKINNON, RODERICK	2003 CHEM	MEYERHOF, OTTO	1922 MED
OSTWALD, WILHELM	1909 CHEM	CECH, THOMAS R.	1989 CHEM
RICHARDS, THEODORE W.	1914 CHEM	MOLINA, MARIO J.	1995 CHEM
RICHARDS, THEODORE W.	1914 CHEM	SHARPLESS, K. BARRY	2001 CHEM
RICHARDS, THEODORE W.	1914 CHEM	MULLIS, KARY B.	1993 CHEM
ROENTGEN, WILHELM	1901 PHYS	KETTERLE, WOLFGANG	2001 PHYS
VAN VLECK, JOHN H.	1977 PHYS	KROTO, SIR HARRY W.	1996 CHEM

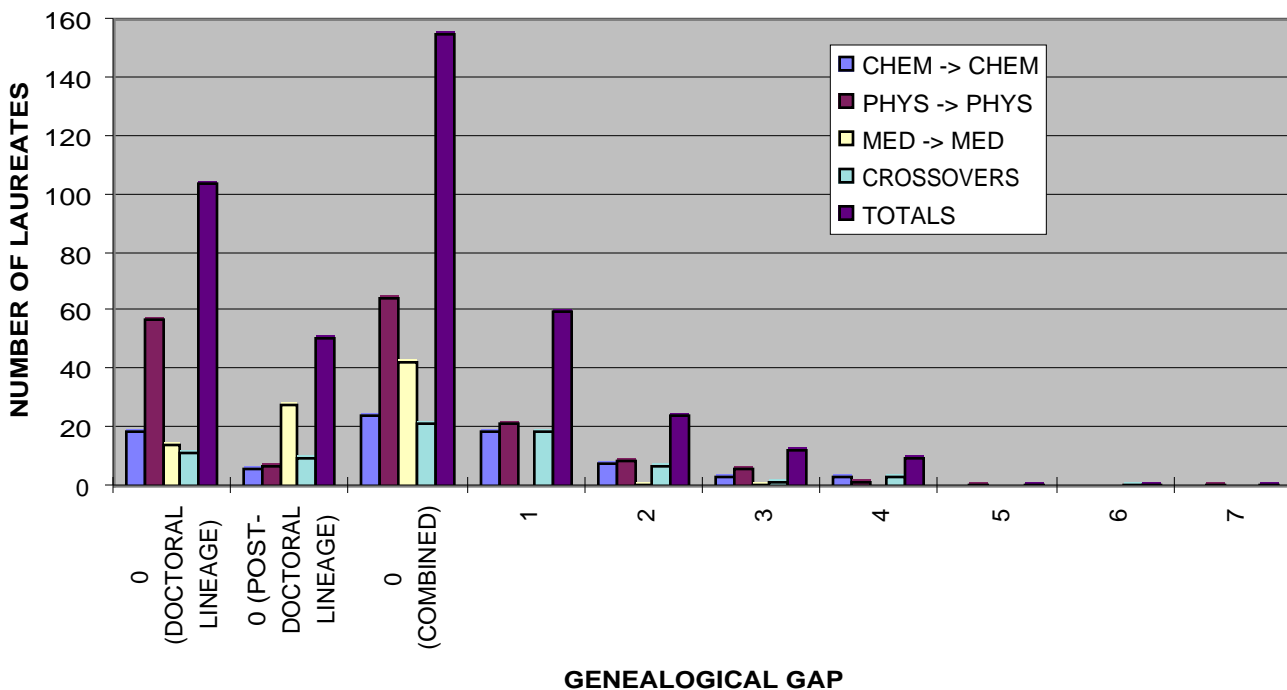
GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 5			
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ANCESTOR	PRIZE YEAR	DECENDANT	PRIZE YEAR
RICHARDSON, OWEN W.	1928 PHYS	WEINBERG, STEVEN	1979 PHYS
GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 6			
ANCESTOR	PRIZE YEAR	DECENDANT	PRIZE YEAR
VON BAEYER, ADOLF	1905 CHEM	SHARP, PHILIP A.	1993 MED
GENEALOGICAL GAP BETWEEN NOBEL LAUREATES = 7			
ANCESTOR	PRIZE YEAR	DECENDANT	PRIZE YEAR
RICHARDSON, OWEN W.	1928 PHYS	LAUGHLIN, ROBERT B.	1998 PHYS

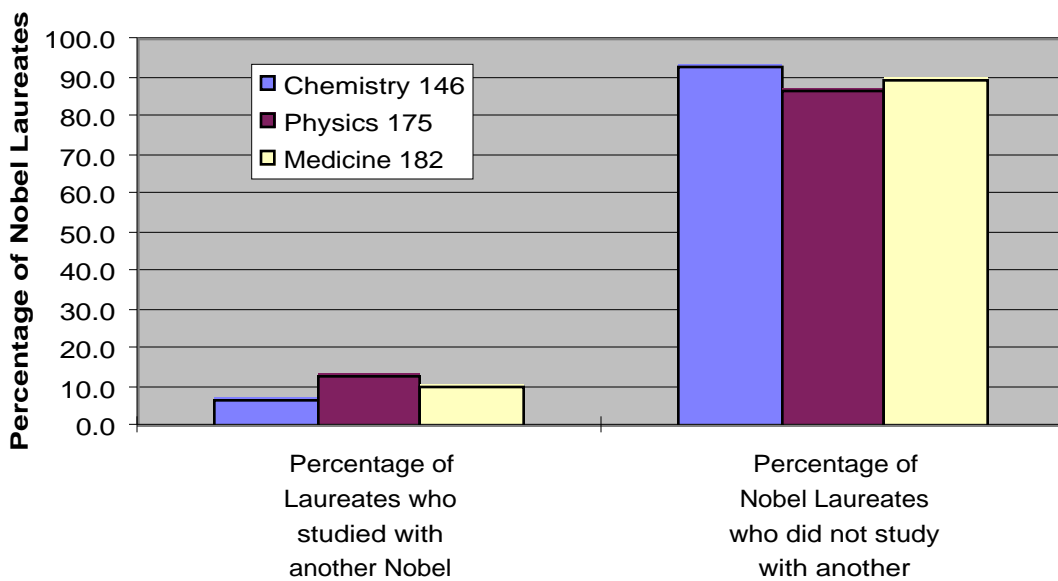
Summary of Genealogical Pedigrees

GENEALOGICAL GAP	CHEM -> CHEM	PHYS -> PHYS	MED -> MED	CROSSOVERS	TOTALS
0 (DOCTORAL LINEAGE)	19	58	15	12	104
0 (POST-DOCTORAL LINEAGE)	6	7	28	10	51
0 (COMBINED)	25	65	43	22	155
1	19	22	0	19	60
2	8	9	1	7	25
3	4	6	1	2	13
4	4	2	0	4	10
5	0	1	0	0	1
6	0	0	0	1	1
7	0	1	0	0	1

FREQUENCY OF GENEALOGICAL GAPS BETWEEN NOBEL LAUREATES BY SCIENTIFIC AREA



Connections Between Nobel Laureates by Scientific Discipline



Connections between Nobel Laureates

Discipline	Number of Nobel Laureates	Number of Laureates who studied with another Nobel Laureate	
Chemistry	146	35	
Physics	175	67	
Medicine	182	53	
TOTALS	503	155	
Percentage of Laureates in each scientific discipline			
Discipline	Number of Nobel Laureates	Percentage of Laureates who studied with another Nobel Laureate	Percentage of Nobel Laureates who did not study with another Nobel Laureate
Chemistry	146	7.0	93.0
Physics	175	13.3	86.7
Medicine	182	10.5	89.5

FREQUENCY OF WINNING MEDALS

MEDICINE PRIZE WINNERS		MEDALS	
SINGLE	37	37	
DOUBLE	29	58	
TRIPLE	29	87	
TOTAL		182	
NO PRIZES AWARDED IN 1915, 1916, 1917, 1918, 1921, 1925, 1940, 1941, 1942			
PHYSICS PRIZE WINNERS		MEDALS	
SINGLE	48	48	
DOUBLE	26	52	
TRIPLE	25	75	
TOTAL		175	
NO PRIZES AWARDED IN 1916, 1931, 1934, 1940, 1941, 1942			
CHEMISTRY PRIZE WINNERS		MEDALS	
SINGLE	60	60	

DOUBLE	22	44		
TRIPLE	14	42		
TOTAL		146		
NO PRIZES AWARDED IN 1916, 1917, 1919, 1924, 1933, 1940, 1941, 1942				
YEAR	MEDICINE	CHEMISTRY	PHYSICS	TOTAL FOR YEAR
1901	1	1	1	3
1902	1	1	2	4
1903	1	1	3	5
1904	1	1	1	3
1905	1	1	1	3
1906	2	1	1	4
1907	1	1	1	3
1908	2	1	1	4
1909	1	1	2	4
1910	1	1	1	3
1911	1	1	1	3
1912	1	2	1	4
1913	1	1	1	3
1914	1	1	1	3
1915	0	1	2	3
1916	0	0	0	0
1917	0	0	1	1
1918	0	1	1	2
1919	1	0	1	2
1920	1	1	1	3
1921	0	1	1	2
1922	2	1	1	4
1923	2	1	1	4
1924	1	0	1	2
1925	1	1	2	4
1926	1	1	1	3
1927	1	1	2	4
1928	1	1	1	3
1929	2	2	1	5
1930	1	1	1	3
1931	1	2	1	4
1932	2	1	1	4
1933	1	0	2	3
1934	3	1	0	4
1935	1	2	1	4
1936	2	1	2	5
1937	1	2	2	5
1938	1	1	1	3
1939	1	2	1	4
1940	0	0	0	0
1941	0	0	0	0

1942	0	0	0	0
1943	2	1	1	4
1944	2	1	1	4
1945	3	1	1	5
1946	1	3	1	5
1947	3	1	1	5
1948	1	1	1	3
1949	2	1	1	4
1950	3	2	1	6
1951	1	2	2	5
1952	1	2	2	5
1953	2	1	1	4
1954	2	1	2	5
1955	1	1	2	4
1956	3	2	3	8
1957	1	1	2	4
1958	3	1	3	7
1959	2	1	2	5
1960	2	1	1	4
1961	1	1	2	4
1962	3	2	1	6
1963	3	2	3	8
1964	2	1	3	6
1965	3	1	3	7
1966	2	1	1	4
1967	3	3	1	7
1968	3	1	1	5
1969	3	2	1	6
1970	3	1	2	6
1971	1	1	1	3
1972	2	3	3	8
1973	3	2	3	8
1974	3	1	2	6
1975	3	2	3	8
1976	2	1	2	5
1977	3	1	3	7
1978	3	1	3	7
1979	2	2	3	7
1980	3	3	2	8
1981	3	2	3	8
1982	3	1	1	5
1983	1	1	2	4
1984	3	1	2	6
1985	2	2	1	5
1986	2	3	3	8
1987	1	3	2	6
1988	3	3	3	9
1989	2	2	3	7
1990	2	1	3	6
1991	2	1	1	4

1992	2	1	1	4
1993	2	2	2	6
1994	2	1	2	5
1995	3	3	2	8
1996	2	3	3	8
1997	1	3	3	7
1998	3	2	3	8
1999	1	1	2	4
2000	3	3	3	9
2001	3	3	3	9
2002	3	3	3	9
2003	2	2	3	7
2004	2	3	3	8
TOTALS	182	146	175	
Note:				
Bolded years are those in which only one medal was awarded in each science.				

