

**FEDERATION MEMBER SOCIETY
NOBEL LAUREATES**

For achievements in Chemistry, Physiology/Medicine, and Physics.

Award Winners announced annually in October. Awards presented on December 10th, the anniversary of Nobel's death.
(-H represents Honorary member, -R represents Retired member)

#	YEAR	AWARD	NAME AND SOCIETY	DOB	DECEASED
1	1904	PM	Ivan Petrovich Pavlov (APS-H) <i>for work on the physiology of digestion, through which knowledge on vital aspects of the subject has been transformed and enlarged.</i>	09/14/1849	02/27/1936
2	1912	PM	Alexis Carrel (APS/ASIP) <i>for work on vascular suture and the transplantation of blood vessels and organs</i>	06/28/1873	01/05/1944
3	1919	PM	Jules Bordet (AAI-H) <i>for discoveries relating to immunity</i>	06/13/1870	04/06/1961
4	1920	PM	August Krogh (APS-H) (Schack August Steenberger Krogh) <i>for discovery of the capillary motor regulating mechanism</i>	11/15/1874	09/13/1949
5	1922	PM	A. V. Hill (APS-H) Sir Archibald Vivial Hill <i>for discovery relating to the production of heat in the muscle</i>	09/26/1886	06/03/1977
6	1922	PM	Otto Meyerhof (ASBMB) (Otto Fritz Meyerhof) <i>for discovery of the fixed relationship between the consumption of oxygen and the metabolism of lactic acid in the muscle</i>	04/12/1884	10/07/1951
7	1923	PM	Frederick Grant Banting (ASPET) <i>for the discovery of insulin</i>	11/14/1891	02/21/1941
8	1923	PM	John J.R. Macleod (APS) (John James Richard Macleod) <i>for the discovery of insulin</i>	09/08/1876	03/16/1935
9	1926	C	Theodor Svedberg (ASBMB-H) <i>for work on disperse systems</i>	08/30/1884	02/26/1971
10	1930	PM	Karl Landsteiner (ASIP/AAI) <i>for discovery of human blood groups</i>	06/14/1868	06/26/1943
11	1931	PM	Otto Heinrich Warburg (ASBMB-H) <i>for discovery of the nature and mode of action of the respiratory enzyme</i>	10/08/1883	08/03/1970
12	1932	PM	Lord Edgar D. Adrian (APS-H) <i>for discoveries regarding the functions of neurons</i>	11/30/1889	08/08/1977
13	1932	PM	Sir Charles Scott Sherrington (APS-H) <i>for discoveries regarding the functions of neurons</i>	11/27/1856	03/04/1952

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14	1933	PM	Thomas Hunt Morgan (GSA) <i>for discoveries concerning the role played by the chromosome in heredity</i>	09/25/1866	12/04/1945
15	1934	PM	George H. Whipple (APS/ASIP) <i>for discoveries concerning liver therapy in cases of anaemia</i>	08/28/1878	02/01/1976
16	1936	PM	Sir Henry H. Dale (ASPET-H) <i>for discoveries relating to chemical transmission of nerve impulses</i>	06/09/1875	07/24/1968
17	1936	PM	Otto Loewi (ASPET-H) <i>for discoveries relating to chemical transmission of nerve impulses</i>	06/03/1873	12/25/1961
18	1937	PM	Albert Szent-Gyorgyi (ASBMB) (Albert von Scent-Gyorgyi Nagyrapolt) <i>for discoveries in connection with the biological combustion processes, with special reference to vitamin C and the catalysis of fumaric acid</i>	09/16/1893	10/22/1986
19	1938	PM	C. Heymans (ASPET) Corneille Jean Francois Heymans <i>for the discovery of the role played by the sinus and aortic mechanisms in the regulation of respiration</i>	03/28/1892	07/18/1968
20	1939	C	L. Ruzicka (ASBMB-H) Leopold Ruzicka <i>for the discovery of the role played by the sinus and aortic mechanisms in the regulation of respiration</i>	09/13/1887	09/26/1976
21	1943	PM	Henrik Dam (ASBMB/ASN) (Henrik Carl Peter Dam) <i>for the discovery of vitamin K</i>	02/21/1895	04/17/1976
22	1943	PM	Edward A. Doisy, Sr. (ASBMB) (Edward Adelbert Doisy) <i>for the discovery of the chemical nature of vitamin K</i>	11/13/1893	10/23/1986
23	1944	PM	Joseph Erlanger (APS) <i>for discoveries relating to the highly differentiated functions of single nerve fibres</i>	01/05/1874	12/05/1965
24	1944	PM	Herbert Gasser (APS/ASPET) (Herbert Spencer Gasser) <i>for discoveries relating to the highly differentiated functions of single nerve fibres</i>	07/05/1888	05/11/1963
25	1945	C	Arturri I. Virtanen (ASBMB-H, ASN-H) (Arturri Ilmari Virtanen) <i>for research and inventions in agricultural and nutrition chemistry, especially for his fodder preservation method</i>	01/15/1895	11/11/1973
26	1946	C	John H. Northrop (ASBMB) <i>for preparation of enzymes and virus proteins in a pure form</i>	07/05/1891	05/27/1987

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27	1946	C	Wendell M. Stanley (ASBMB/AAI) (Wendell Meredith Stanley) <i>for preparation of enzymes and virus proteins in a pure form</i>	08/16/1904	06/17/1971
28	1946	C	James B. Sumner (ASBMB) (James Batcheller Sumner) <i>for discovery that enzymes can be crystallized</i>	11/19/1887	08/11/1955
29	1946	PM	Herman Joseph Muller (GSA) <i>for discovery of the production of mutations by means of X-ray irradiation</i>	12/21/1890	04/05/1967
30	1947	PM	Carl F. Cori (ASBMB) (Carl Ferdinand Cori) <i>for discovery of the course of the catalytic conversion of glycogen</i>	12/05/1896	10/19/1984
31	1947	C	Gerty T. Cori (ASBMB) (Gerty Theresa Cori, née Radnitz) <i>for discovery of the course of the catalytic conversion of glycogen</i>	08/15/1896	10/26/1957
32	1947	PM	Bernardo A. Houssay (APS-H) (Bernardo Alberto Houssay) <i>for discovery of the part played by the hormone of the anterior pituitary lobe in the metabolism of sugar</i>	04/10/1887	09/20/1971
33	1948	C	Arne W.K. Tiselius (ASBMB-H) (Arne Wilhelm Kaurin Tiselius) <i>for research on electrophoresis and adsorption analysis, especially for his discoveries concerning the complex nature of the serum proteins</i>	08/10/1902	10/29/1971
34	1949	PM	Walter R. Hess (APS-H) (Walter Rudolf Hess) <i>for discovery of the functional organization of the interbrain as a coordinator of the activities of the internal organs</i>	03/17/1881	08/12/1973
35	1950	PM	Edward C. Kendall (APS/ASBMB/ASIP) (Edward Calvin Kendall) <i>for discoveries relating to the hormones of the adrenal cortex, their structure and biological effects</i>	03/08/1886	05/04/1972
36	1950	PM	Tadeus Reichstein (ASBMB-H) <i>for discoveries relating to the hormones of the adrenal cortex, their structure and biological effects</i>	07/20/1897	08/01/1996
37	1952	C	A.J.P. Martin (ASBMB-H) (Archer John Porter Martin) <i>for invention of partition chromatography</i>	03/01/1910	07/28/2002
38	1952	C	Richard L.M. Synge (ASBMB-H) (Richard Laurence Millington Synge) <i>for invention of partition chromatography</i>	10/28/1914	08/18/1994

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39	1953	PM	Fritz Albert Lipmann (ASBMB-H) <i>for discovery of co-enzyme A and its importance for intermediary metabolism for the invention of partition chromatography</i>	06/12/1899	07/24/1986
40	1953	PM	Sir Hans A. Krebs (ASBMB-H) (Hans Adolph Krebs) <i>for discovery of the citric acid cycle</i>	08/25/1900	11/22/1981
41	1954	PM	John F. Enders (AAI) (John Franklin Enders) <i>for discovery of the ability of poliomyelitis viruses to grow in cultures of various types of tissue</i>	02/10/1897	09/08/1985
42	1954	PM	Frederick C. Robbins (AAI) (Frederick Chapman Robbins) <i>for discovery of the ability of poliomyelitis viruses to grow in cultures of various types of tissue</i>	08/25/1916	08/04/2003
43	1954	PM	Thomas H. Weller (AAI-R) (Thomas Huckle Weller) <i>for discovery of the ability of poliomyelitis viruses to grow in cultures of various types of tissue</i>	06/15/1915	08/23/2008
44	1954	C	Linus Pauling (ASPET-H) (Linus Carl Pauling) <i>for research into the nature of the chemical bond and its application to the elucidation of the structure of complex substances</i>	02/28/1901	08/19/94
45	1955	C	Vincent du Vigneaud (ASBMB/ASN) <i>for work on biochemically important sulphur compounds, especially for the first synthesis of a polypeptide hormone</i>	05/18/1901	12/11/1978
46	1955	PM	Hugo Theorell (ASBMB-H) (Axel Hugo Theodor Theorell) <i>for discoveries concerning the nature and mode of action of oxidation enzymes</i>	07/06/1903	08/15/1982
47	1956	PM	Andre F. Cournand (APS) (André Frédéric Cournand) <i>for discoveries concerning heart catheterization and pathological changes in the circulatory system</i>	09/24/1895	02/19/1988
48	1956	PM	Dickinson W. Richards (APS) <i>for discoveries concerning heart catheterization and pathological changes in the circulatory system</i>	10/31/1895	02/23/1973
49	1957	C	Lord Alexander R. Todd (ASBMB-H) <i>for work on nucleotides and nucleotide co-enzymes</i>	10/02/1907	01/10/1997
50	1958	PM	Joshua Lederberg (ASBMB) <i>for discoveries concerning genetic recombination and the organization of the genetic material of bacteria</i>	05/23/1925	02/02/2008

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51	1958	PM	Edward L. Tatum (ASBMB) (Edward Lawrie Tatum) <i>for discovery that genes act by regulating definite chemical events</i>	12/14/1909	11/05/1975
52	1958	PM	George W. Beadle (GSA) <i>for discovery that genes act by regulating definite chemical events</i>	10/22/1903	06/09/1989
53	1958	C	Frederick Sanger (ASBMB-H) <i>for work on the structure of proteins, especially that of insulin</i>	08/13/1918	11/19/2013
54	1959	PM	Arthur Kornberg (ASBMB) <i>for discovery of the mechanisms in the biological synthesis of ribonucleic acid and deoxyribonucleic acid</i>	03/03/1918	10/26/2007
55	1959	PM	Severo Ochoa (ASBMB) <i>for discovery of the mechanisms in the biological synthesis of ribonucleic acid and deoxyribonucleic acid</i>	09/24/1905	11/01/1993
56	1960	PM	Sir Macfarlane Burnet (AAI-H) (Sir Frank Macfarlane Burnet) <i>for discovery of acquired immunological tolerance</i>	09/03/1899	08/31/1985
57	1961	C	Melvin Calvin (ASBMB) <i>for research on the carbon dioxide assimilation in plants</i>	04/08/1911	01/08/1997
58	1962	PM	James Dewey Watson (ASBMB) <i>for discoveries concerning the molecular structure of nucleic acids and its significance for information transfer in living material</i>	04/06/1928	
59	1962	C	John Cowdery Kendrew (ASBMB-H) <i>for studies of the structures of globular proteins</i>	03/24/1917	08/23/1997
60	1962	C	Max F. Perutz (ASBMB-H) (Max Ferdinand Perutz) <i>for studies of the structures of globular proteins</i>	05/19/1914	02/06/2002
61	1962	PM	Francis Harry Compton Crick (ASBMB-H) <i>for discoveries concerning the molecular structure of nucleic acids and its significance for information transfer in living material</i>	06/08/1916	07/28/2004
62	1962	PM	M.H.F. Wilkins (ASBMB-H) (Maurice Hugh Frederick Wilkins) <i>For discoveries concerning the molecular structure of nucleic acids and its significance for information transfer in living material</i>	12/15/1916	10/05/2004
63	1963	PM	Sir John Carew Eccles (APS-H) <i>for discoveries concerning the ionic mechanisms involved in excitation and inhibition in the peripheral and central portions of the nerve cell membrane</i>	06/27/1903	05/02/1997
64	1963	PM	Alan Lloyd Hodgkin (APS-H) <i>for discoveries concerning the ionic mechanisms involved in Excitation and inhibition in the peripheral and central portions of the nerve cell membrane</i>	02/05/1914	12/20/98

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65	1964	PM	Konrad E. Bloch (ASBMB) <i>for discoveries concerning the mechanism and regulation of the cholesterol and fatty acid metabolism</i>	01/21/1912	10/15/00
66	1964	PM	Feodor Lynen (ASBMB-H) <i>for discoveries concerning the mechanism and regulation of the cholesterol and fatty acid metabolism</i>	04/06/1911	08/06/79
67	1964	C	Dorothy Crowfoot Hodgkin (ASBMB-H) <i>for determinations by X-ray techniques of the biochemical substances</i>	1910	07/29/1994
68	1965	PM	Jacques Monod (ASBMB-H) <i>for discoveries concerning genetic control of enzyme and virus synthesis</i>	02/02/1910	05/31/76
69	1965	PM	Andre M. Lwoff (ASBMB-H) <i>for discoveries concerning genetic control of enzyme and virus synthesis</i>	05/08/1902	09/30/1994
70	1966	PM	Charles Brenton Huggins (APS) <i>for discoveries concerning hormonal treatment of prostatic cancer</i>	09/22/1901	01/12/1997
71	1966	PM	Peyton Rous (ASIP-H) <i>for discovery of tumour-inducing viruses</i>	10/05/1879	02/16/1970
72	1967	PM	H.K. Hartline (APS) (Haldan Keffer Hartline) <i>for discoveries concerning the primary physiological and chemical visual processes in the eye</i>	12/22/1903	03/17/1983
73	1967	PM	George Wald (ASBMB) <i>for discoveries concerning the primary physiological and chemical visual processes in the eye</i>	11/18/1906	04/12/1997
74	1967	PM	Ragnar Granit (APS-H) <i>for discoveries concerning the primary physiological and chemical visual processes in the eye</i>	10/30/1900	03/12/1991
75	1967	C	Manfred Eigen (ASBMB-H) <i>for studies of extremely fast chemical reactions, effected by disturbing the equilibrium by means of very short pulses of energy</i>	05/09/1927	
76	1968	PM	Marshall W. Nirenberg (ASBMB) <i>for interpretation of the genetic code and its function in protein synthesis</i>	04/10/1927	01/18/2010
77	1968	PM	H. G. Khorana (ASBMB) (Har Gobind Khorana) <i>for interpretation of the genetic code and its function in protein synthesis</i>	01/09/1922	01/11/2011
78	1968	PM	Robert W. Holley (ASBMB) <i>for interpretation of the genetic code and its function in protein synthesis</i>	01/28/1922	02/11/1993
79	1969	PM	Salvador E. Luria (ASBMB) <i>for discoveries concerning the replication mechanism and the genetic structure of viruses</i>	08/13/1912	02/06/1991

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80	1970	PM	Julius Axelrod (ASBMB/ASPET) <i>for discoveries concerning the humoral transmitters in the nerve terminals and the mechanism for their storage, release and inactivation</i>	05/30/1912	12/29/2004
81	1970	PM	Luis F. LeLoir (ASBMB) <i>for discovery of sugar nucleotides and their role in the biosynthesis of carbohydrates</i>	09/06/1906	12/02/1987
82	1971	PM	Earl W. Sutherland, Jr.(ASBMB/ASPET) <i>for discoveries concerning the mechanisms of the action of hormones</i>	11/19/1915	03/09/1974
83	1972	PM	Rodney R. Porter (ASBMB-H) <i>for discoveries concerning the chemical structure of antibodies</i>	10/08/1917	09/06/1985
84	1972	PM	Gerald M. Edelman (ASBMB/AAI) <i>for discoveries concerning the chemical structure of antibodies</i>	07/01/1929	05/17/2014
85	1972	C	Stanford Moore (ASBMB) <i>for contribution to the understanding of the connection between chemical structure and catalytic activity of the active centre of the ribonuclease molecule</i>	09/04/1913	08/23/1982
86	1972	C	William H. Stein (ASBMB) <i>for contribution to the understanding of the connection between chemical structure and catalytic activity of the active centre of the ribonuclease molecule</i>	06/25/1911	02/02/1980
87	1972	C	Christian B. Anfinsen (ASBMB) <i>for contribution to the understanding of the connection between chemical structure and catalytic activity of the active centre of the ribonuclease molecule</i>	03/26/1916	05/14/1995
88	1974	PM	Christian de Duve (ASBMB) <i>for discoveries concerning the structural and functional organization of the cell</i>	10/02/1917	05/04/2013
89	1974	PM	George E. Palade (ASCB/HCS) <i>for discoveries concerning the structural and functional organization of the cell</i>	11/19/1912	10/13/2008
90	1975	PM	David Baltimore (ASBMB) <i>for discoveries concerning the interaction between tumor viruses and the genetic material of the cell</i>	03/07/1938	
91	1975	C	Vladimir Prelog (ASBMB) <i>for research into the stereochemistry of organic molecules and reactions</i>	07/23/1906	01/07/1998
92	1976	C	William N. Lipscomb (ASBMB) <i>for studies on the structure of boranes illuminating problems of chemical bonding</i>	12/09/1919	04/14/2011
93	1977	PM	Roger Guillemin (APS) <i>for discoveries concerning the peptide hormone production of the brain</i>	01/11/1924	
94	1977	PM	Andrew V. Schally (APS/ASBMB) <i>for discoveries concerning the peptide hormone production of the brain</i>	11/30/1926	
95	1977	PM	Rosalyn Sussman Yalow (APS) <i>for discoveries concerning the peptide hormone production of the brain</i>	07/19/1921	05/30/2011

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96	1978	PM	Hamilton O. Smith (ASBMB) <i>for the discovery of restriction enzymes and their application to problems of molecular genetics</i>	08/23/1931	
97	1978	PM	Daniel Nathans (ASBMB) <i>for the discovery of restriction enzymes and their application to problems of molecular genetics</i>	10/30/1928	11/16/1999
98	1980	PM	Baruj Benacerraf (ASIP/AAI) <i>for discoveries concerning genetically determined structures on the cell surface that regulate immunological reactions</i>	10/29/1920	08/02/2011
99	1980	C	Paul Berg (ASBMB) <i>for fundamental studies of the biochemistry of nucleic acids, with particular regard to recombinant-DNA</i>	06/30/1926	
100	1980	C	Walter Gilbert (ASBMB) <i>for contributions concerning the determination of base sequences in nucleic acids</i>	03/21/1932	
101	1980	C	Frederick Sanger (ASBMB) <i>for contributions concerning the determination of sequences in nucleic acids</i>	08/13/1918	11/19/2013
102	1981	PM	Roger W. Sperry (APS-R) <i>for discoveries concerning the functional specialization of the cerebral hemispheres</i>	08/20/1913	04/17/1994
103	1981	PM	David H. Hubel (APS) <i>for discoveries concerning information processing in the visual system</i>	02/27/1926	09/22/2013
104	1981	PM	Torsten N. Wiesel (APS) <i>for discoveries concerning information processing in the visual system</i>	06/03/1924	
105	1982	PM	Sune Bergstrom (ASBMB-H) <i>for discoveries concerning prostaglandins and related biologically active substances</i>	01/10/1916	08/15/2004
106	1982	PM	Bengt I. Samuelsson (ASBMB-H) <i>for discoveries concerning prostaglandins and related biologically active substances</i>	05/21/1934	
107	1983	PM	Barbara McClintock (GSA) <i>for discovery of mobile genetic elements</i>	06/16/1902	09/02/1992
108	1984	C	R. Bruce Merrifield (ASBMB) (Robert Bruce Merrifield) <i>for development of methodology for chemical synthesis on a solid matrix</i>	07/15/1921	05/14/2006
109	1984	PM	Niels K. Jerne (AAI-H) <i>for theories concerning the specificity in development and control of the immune system and the discovery of the principle for production of monoclonal antibodies</i>	12/23/1911	10/07/1994
110	1984	PM	Cesar Milstein (AAI-H) <i>for theories concerning the specificity in development and control of the immune system and the discovery of the principle for production of monoclonal antibodies</i>	10/08/1927	03/24/2002

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111	1985	PM	Joseph L. Goldstein (ASBMB/ASCB) <i>for discoveries concerning the regulation of cholesterol metabolism</i>	04/18/1940	
112	1985	PM	Michael S. Brown (ASBMB/ASCB) <i>for discoveries concerning the regulation of cholesterol metabolism</i>	04/13/1941	
113	1986	PM	Stanley Cohen (ASBMB) <i>for discoveries of growth factors</i>	11/17/1922	
114	1987	PM	Susumu Tonegawa (AAI) <i>for discovery of the genetic principle for generation of antibody diversity</i>	09/06/1939	
115	1988	PM	George H. Hitchings (ASBMB) <i>for discoveries of important principles for drug treatment</i>	04/18/1905	02/27/1998
116	1988	PM	Gertrude B. Elion (ASBMB/ASPET) <i>for discoveries of important principles for drug treatment</i>	01/23/1918	02/21/1999
117	1988	PM	Sir James W. Black (ASPET) <i>for discoveries of important principles for drug treatment</i>	06/14/1924	03/21/2010
118	1988	C	Robert Huber (ASBMB) <i>for the determination of the three-dimensional structure of a photosynthetic reaction centre</i>	02/20/1937	
119	1989	C	Thomas R. Cech (ASBMB) <i>for discovery of catalytic properties of RNA</i>	12/08/1947	
120	1989	C	Sidney Altman (ASBMB) <i>for discovery of catalytic properties of RNA</i>	05/07/1939	
121	1989	PM	J. Michael Bishop (ASBMB/ASCB) <i>for discovery of the cellular origin of retroviral oncogenes</i>	02/22/1936	
122	1989	PM	Harold E. Varmus (ASBMB) <i>for discovery of the cellular origin of retroviral oncogenes</i>	12/18/1939	
123	1991	PM	Erwin Neher (APS-H) <i>for discoveries concerning the function of single ion channels in cells</i>	03/20/1944	
124	1992	PM	Edwin G. Krebs (ASBMB/ASPET) <i>for discoveries concerning reversible protein phosphorylation as a biological regulatory mechanism</i>	06/06/1918	12/21/2009
125	1992	PM	Edmond H. Fischer (ASBMB) <i>for discoveries concerning reversible protein phosphorylation as a biological regulatory mechanism</i>	04/06/1920	
126	1993	PM	Richard J. Roberts (ASBMB) <i>for discoveries of split genes</i>	09/06/1943	
127	1993	PM	Phillip A. Sharp (ASBMB) <i>for discoveries of split genes</i>	06/06/1944	

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128	1993	C	Michael Smith (ASBMB) <i>for fundamental contributions to the establishment of oligonucleotide-based, site-directed mutagenesis and its development for protein studies</i>	04/26/1932	10/04/2000
129	1994	PM	Alfred G. Gilman (ASBMB/ASPET/ASCB) <i>for discovery of G-proteins and the role of these proteins in signal transduction in cells</i>	07/01/41	
130	1994	PM	Martin Rodbell (ASBMB) <i>for discovery of G-proteins and the role of these proteins in signal transduction in cells</i>	12/01/1925	12/07/1998
131	1995	PM	Eric F. Wieschaus (SDB) <i>for discoveries concerning the genetic control of early embryonic development</i>	06/08/1947	
132	1995	PM	Edward B. Lewis (GSA) <i>for discoveries concerning the genetic control of early embryonic development</i>	05/20/1918	07/21/2004
133	1996	PM	Peter C. Doherty (ASIP/AAI) <i>for discoveries concerning the specificity of the cell mediated immune defence</i>	10/15/1940	
134	1996	PM	Rolf M. Zinkernagel (ASIP/AAI) <i>for discoveries concerning the specificity of the cell mediated immune defence</i>	06/06/1944	
135	1997	PM	Stanley B. Prusiner (ASBMB/AAI/ASCB/Protein) <i>for discovery of Prions - a new biological principle of infection</i>	05/28/1942	
136	1997	C	Paul D. Boyer (ASBMB/Biophysical) <i>for elucidation of the enzymatic mechanism underlying the synthesis of adenosine triphosphate (ATP)</i>	07/31/1918	
137	1997	C	John E. Walker (Protein) <i>for elucidation of the enzymatic mechanism underlying the synthesis of adenosine triphosphate (ATP)</i>	01/07/1941	
138	1997	C	Jens C. Skou (APS) <i>for the first discovery of an ion-transporting enzyme, Na⁺, K⁺ -ATPase</i>	10/08/1918	
139	1997	P	Steven Chu (BPS) <i>for development of methods to cool and trap atoms with laser light</i>	02/28/1948	
140	1998	PM	Robert F. Furchgott (ASBMB/ASPET) <i>for discoveries concerning nitric oxide as a signaling molecule in the cardiovascular system</i>	06/04/1916	05/19/2009
141	1998	PM	Louis J. Ignarro (APS/ASBMB/ASPET/ASCB) <i>for discoveries concerning nitric oxide as a signaling molecule in the cardiovascular system</i>	05/31/1941	
142	1998	PM	Ferid Murad (APS/ASPET/ASCI) <i>for discoveries concerning nitric oxide as a signaling molecule in the cardiovascular system</i>	09/14/1936	
143	1999	PM	Gunter Blobel (ASBMB/ASCB/Protein)	05/21/1936	

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			<i>for the discovery that proteins have intrinsic signals that govern their transport and localization in the cell</i>		
144	2000	PM	Paul Greengard (ASBMB/ASPET/Protein)	12/11/1925	
			<i>for discoveries concerning signal transduction in the nervous system</i>		
145	2001	PM	Leland Hartwell (ENDO, GSA)	10/30/1939	
			<i>for discoveries of key regulators of the cell cycle</i>		
146	2002	M	Sydney Brenner (ASBMB-H)	01/13/1927	
			<i>for discoveries concerning 'genetic regulation of organ development and programmed cell death</i>		
147	2002	M	H. Robert Horvitz (ASBMB/SDB)	05/08/1947	
			<i>for discoveries concerning 'genetic regulation of organ development and programmed cell death</i>		
148	2002	C	Kurt Wuthrich (Biophysical/Protein)	10/04/1938	
			<i>for development of nuclear magnetic resonance spectroscopy for determining the three-dimensional structure of biological macromolecules in solution</i>		
149	2003	C	Peter Agre (APS/ASBMB/ASCI)	01/30/1949	
			<i>for discoveries concerning channels in cell membranes for the discovery of water channels</i>		
150	2003	C	Roderick MacKinnon (ASBMB/Biophysical)	02/19/1956	
			<i>for discoveries concerning channels in cell membranes for structural and mechanistic studies of ion channels</i>		
151	2003	M	Paul C. Lauterbur (Biophysical)	05/06/1929	03/27/2007
			<i>for discoveries concerning magnetic resonance imaging</i>		
152	2004	PM	Richard Axel (ASBMB)	07/02/1946	
			<i>for discoveries of odorant receptors and the organization of the olfactory system</i>		
153	2005	M	Barry J. Marshall (ASCI)	09/30/1951	
			<i>for discovery of the bacterium Helicobacter pylori and its role in gastritis and peptic ulcer disease</i>		
154	2006	C	Roger D. Kornberg (ASBMB)	04/24/1947	
			<i>for studies of the molecular basis of eukaryotic transcription</i>		
155	2006	PM	Andrew Z. Fire (GSA)	04/27/1959	
			<i>for discovery of RNA interference – gene silencing by double-stranded RNA</i>		
156	2007	Ph	Mario R. Capecchi (ASBMB)	10/06/1937	
			<i>for discoveries of principles for introducing specific gene modifications in mice by the use of embryonic stem cells</i>		
157	2007	Ph	Oliver Smithies (ASHG)	06/23/1925	
			<i>for discoveries of principles for introducing specific gene modifications in mice by the use of embryonic stem cells</i>		

#	YEAR	AWARD	NAME AND SOCIETY	DOB	DECEASED
158	2008	C	Martin Chalfie (SDB) <i>for the discovery and development of the green fluorescent protein, GFP</i>	01/15/1947	
159	2009	C	Thomas A. Steitz (ASBMB) <i>for studies of the structure and function of the ribosome</i>	08/23/1940	
160	2009	C	Ada E. Yonath (Protein) <i>for studies of the structure and function of the ribosome</i>	06/22/1939	
161	2009	M	Carol W. Greider (ASHG) <i>for the discovery of how chromosomes are protected by telomeres and the enzyme telomerase</i>	04/15/1961	
162	2009	PM	Elizabeth H. Blackburn (GSA) <i>for discovery of how chromosomes are protected by telomeres and the enzyme telomerase</i>	11/26/1948	
163	2011	M	Ralph M. Steinman (AAI) <i>for work increasing understanding of the immune system</i>	01/14/1943	09/30/2011
164	2011	M	Bruce A. Beutler (AAI, ASCI) <i>for work increasing understanding of the immune system – discoveries concerning the activation of innate immunity</i>	12/29/1957	
165	2012	PM	Sir John B. Gurdon (AAA) <i>for the discovery that mature cells can be reprogrammed to become pluripotent</i>	1933	
166	2012	C	Brian Kobilka (ASPET, ASCI) <i>for studies of G-protein-coupled receptors</i>	1955	
167	2012	C	Robert Lefkowitz (APS, ASBMB, ASPET, ASCI, AFMR) <i>for studies of G-protein-coupled receptors</i>	1943	
168	2013	PM	James E. Rothman (ASBMB) <i>for discoveries of machinery regulating vesicle traffic, a major transport system in our cells</i>	11/03/1950	
169	2013	PM	Randy W. Schekman (ASBMB) <i>for discoveries of machinery regulating vesicle traffic, a major transport system in our cells</i>	12/30/1948	
170	2013	C	Michael Levitt (ISCB, PS) <i>for the development of multiscale models for complex chemical systems</i>	05/09/1947	
171	2015	PM	Satoshi Ōmura (ASBMB-H) <i>for discoveries concerning a novel therapy against infections caused by roundworm parasites</i>	1935	
172	2015	C	Tomas Lindahl (ASBMB-E) <i>for mechanistic studies of DNA repair</i>	1938	

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173	2015	C	Paul L. Modrich (ASBMB) <i>for mechanistic studies of DNA repair</i>	1946	
174	2015	C	Aziz Sancar (ASBMB) <i>for mechanistic studies of DNA repair</i>	1946	
175	2016	PM	Yoshinori Ohsumi (ASBMB, GSA) <i>for his discoveries of mechanisms for autophagy</i>	1945	
176	2017	PM	Michael W. Young (ASBMB, GSA) <i>for his discoveries of molecular mechanisms controlling circadian rhythm</i>	1949	
177	2017	C	Joachim Frank (PS) <i>for the development of cry-electron microscopy for the high-resolution structure determination of biomolecules in solution</i>	1940	