



CALTECH FACULTY HONORS & AWARDS

CALIFORNIA SCIENTIST OF THE YEAR

(Presented by the California Science Center)

as of February 2005; 15 faculty members, living or deceased

NAME	YEAR
William A. Fowler	1958
Frank Press	1961
Jesse Greenstein	1965
Maarten Schmidt	1965
Robert Sinsheimer	1968
Roger Sperry	1971
Norman Davidson	1980
Peter Goldreich	1981
Lee Hood	1985
Gerry Neugebauer	1986
Harry Gray	1988
John J. Hopfield	1991
Hiroo Kanamori	1993
Andrew Lange	2003
Kip Thorne	2005



CALTECH NOBEL LAUREATES

as of October 2005; 31 winners (17 alumni), 32 prizes

*in residence

NAME	FIELD	YEAR	FACULTY?
Robert A. Millikan	Physics	1923	Y
Thomas Hunt Morgan	Physiol/Medicine	1933	Y
Carl D. Anderson BS '27, PhD '30	Physics	1936	Y
Edwin M. McMillan BS '28, MS '29	Chemistry	1951	N
Linus Pauling PhD '25	Chemistry Peace	1954 1962	Y
William Shockley BS '32	Physics	1956	N
George W. Beadle	Physiol/Medicine	1958	Y
Donald A. Glaser PhD '50	Physics	1960	N
Rudolf Mössbauer	Physics	1961	Y
Charles H. Townes PhD '39	Physics	1964	N
Richard Feynman	Physics	1965	Y
Murray Gell-Mann	Physics	1969	Y
Max Delbrück	Physiol/Medicine	1969	Y
*David Baltimore	Physiol/Medicine	1975	Y
Renato Dulbecco	Physiol/Medicine	1975	former faculty
Leo James Rainwater BS '39	Physics	1975	N



Howard M. Temin PhD '60	Physiol/Medicine	1975	N
William N. Lipscomb PhD '46	Chemistry	1976	N
Robert W. Wilson PhD '62	Physics	1978	N
Roger W. Sperry	Physiol/Medicine	1981	Y
Kenneth G. Wilson PhD '61	Physics	1982	N
William A. Fowler PhD '36	Physics	1983	Y
*Rudolph A. Marcus	Chemistry	1992	Y
Edward B. Lewis PhD '42	Physiol/Medicine	1995	Y
Douglas D. Osheroff BS '67	Physics	1996	N
Robert C. Merton MS '67	Economics	1997	N
*Ahmed H. Zewail	Chemistry	1999	Y
Leland H. Hartwell BS '61	Physiol/Medicine	2001	N
Vernon L. Smith BS '49	Economics	2002	N
*Hugh David Politzer	Physics	2004	Y
*Robert H. Grubbs	Chemistry	2005	Y



CALTECH CRAFOORD LAUREATES

as of January 2012; 7 winners (5 alumni)

*in residence

+deceased

NAME	FIELD	YEAR	FACULTY?
*Gerald J. Wasserburg	Geosciences	1986	Y
+Allan R. Sandage PhD '53	Astronomy	1991	N
+Seymour Benzer	Biosciences	1993	Y
*Don L. Anderson MS '58, PhD '62	Geosciences	1998	Y
James E. Gunn PhD '66	Astronomy	2005	N
Walter H. Munk BS '39, MS '40	Geosciences	2010	N
Andrea M. Ghez MS '89, PhD '93	Astronomy	2012	N



KAVLI PRIZE

as of 2010; 1 faculty member, 3 alumni

NAME	FIELD	YEAR	FACULTY?
Maarten Schmidt	Astrophysics	2008	Y
Roger Angel, MS '66	Astrophysics	2010	N
Jerry Nelson, BS '65	Astrophysics	2010	N
Richard Scheller, PhD '80	Neuroscience	2010	N



NATIONAL ACADEMY OF ENGINEERING

as of February 2011; 33 faculty members, 11 trustee members

*alumnus

**also a trustee

NAME	YEAR ELECTED
FACULTY	
*Acosta, Allan J.	1995
*Allen, Clarence R	1976
Arnold, Frances H.	2000
Brady, John F.	1999
Bridges, William B.	1977
*Brooks, Norman H.	1973
Chameau, Jean-Lou	2009
Chandy, K. Mani	1995
*Clauser, Francis H.	1970
*Coles, Donald E.	1984
Davis, Mark E.	1997
*Elachi, Charles	1989
**Everhart, Thomas E.	1978
Flagan, Richard C.	2010
*Gould, Roy	1974
Hoffmann, Michael R.	2011
Hornung, Hans G.	1997
*Iwan, Wilfred D.	1999
*Jennings, Paul C.	1977
*Johnson, William L.	1999
*Knauss, Wolfgang G.	1998
*Leonard, Anthony	2010



*Marble, Frank E.	1974
*McEliece, Robert J.	1998
*Mead, Carver A.	1984
Morgan, James J.	1978
Raichlen, Fredric	1993
Rosakis, Ares J.	2011
*Roshko, Anatol	1978
Seinfeld, John H.	1982
Tirrell, David	2008
*Wu, Theodore Y.-T.	1982
Yariv, Amnon	1976
TRUSTEES	
Bechtel, Stephen D.	1975
Brown, Harold	1967
Conger, Harry M.	1990
Goldstein, Arthur L.	1996
Kresa, Kent	1997
*Moore, Gordon E.	1976
*Ramo, Simon	1964
Schultz, Robert J.	1992
*Townes, Charles H.	1998
Trimble, Charles	1999
Wheelon, Albert D.	1970



NATIONAL ACADEMY OF SCIENCES

as of May 2012; 71 faculty members, 3 trustee members

*alumnus

**also a trustee

NAME	YEAR ELECTED
FACULTY	
Abelson, John N.	1985
*Allen, Clarence R.	1976
Andersen, Richard A.	2005
*Anderson, Don L.	1982
Anderson, David J.	2007
*Anson, Fred C.	1988
Arnold, Frances H.	2008
*Aschbacher, Michael G.	1990
Baldeschwieler, John D.	1970
Baltimore, David	1974
Barish, Barry C.	2002
Barton, Jacqueline K.	2002
*Beauchamp, Jesse L.	1981
Bercaw, John E.	1990
Bjorkman, Pamela J.	2001
Boehm, Felix H.	1983
Bridges, William B.	1981
*Brooks, Norman H.	1981
Christy, Robert F.	1965
Cohen, Marshall H.	1984
Davidson, Eric H.	1985
Davis, Mark E.	2006



Dervan, Peter B.	1986
Dougherty, Dennis	2009
Eisenstein, James P.	2005
Gell-Mann, Murray	1960
*Goddard, William A.	1984
Goldberger, Marvin L.	1963
Goldreich, Peter M.	1972
*Gould, Roy W.	1974
Gray, Harry B.	1971
Grotzinger, John	2002
Grubbs, Robert H.	1989
Helmberger, Donald	2004
Hopfield, John J.	1973
Johnson, William L.	2007
Kanamori, Hiroo	2012
Kimble, H. Jeff	2002
Konishi, Masakazu	1985
Kulkarni, Shrinivas R.	2003
*Marble, Frank E.	1989
Marcus, Rudolph A.	1970
*Mayo, Stephen	2004
*Mead, Carver A.	1989
Meyerowitz, Elliot M.	1995
*Neugebauer, Gerry	1973
Owen, Ray D.	1966
Plott, Charles	2007
Readhead, Anthony C.	1995
Rees, Douglas C.	2000
Roberts, John D.	1956



*Roshko, Anatol	2002
Sargent, Wallace	2005
Schmidt, Maarten	1978
Schwarz, John H.	1997
*Silver, Leon T.	1974
Simon, Melvin I.	1985
*Steidel, Charles C.	2006
Sternberg, Paul	2009
Stevenson, David	2004
Stolper, Edward M.	1994
Stone, Edward C.	1984
*Taylor, Hugh P.	1981
*Thorne, Kip S.	1973
Tirrell, David A.	2006
Varshavsky, Alexander J.	1995
Wasserburg, Gerald J.	1971
Wise, Mark B.	2007
Wyllie, Peter J.	1981
Yariv, Amnon	1991
Zewail, Ahmed H.	1989
TRUSTEES	
Brown, Harold	1977
*Ramo, Simon	1973
*Townes, Charles H.	1956



NATIONAL ACADEMY OF SCIENCES—Institute of Medicine
as of 2011; 6 faculty members, 2 trustee members

NAME	YEAR ELECTED
FACULTY	
Andersen, Richard A.	2007
Arnold, Frances H.	2004
Baltimore, David	1988
Davis, Mark E.	2011
Dervan, Peter B.	1997
Tirrell, David A.	2011
TRUSTEES	
Cobb, Jewel Plummer	1974
Weldon, Virginia V.	1983



NATIONAL MEDAL OF SCIENCE

("for distinguished achievements in outstanding contributions to science and engineering development")

as of October 2011; 56 recipients since 1962, when von Kármán was the very first recipient

*alumnus

+deceased

NAME	YEAR ELECTED	FACULTY?
+Theodore von Kármán	1962	Y
+*John Pierce	1963	Y
+Alfred H. Sturtevant	1967	Y
*Wolfgang K. H. Panofsky	1969	
+*Allan Sandage	1970	
+*Saul Winstein	1970	
+Arie J. Haagen-Smit	1973	Y
+*William A. Fowler	1974	Y
+*Linus Pauling	1974	Y
*Kenneth S. Pitzer	1974	
+*Sterling B. Hendricks	1975	
+*William H. Pickering	1975	Y
*E. Bright Wilson Jr.	1975	
+Richard P. Feynman	1979	Y
*Donald E. Knuth	1979	
*Simon Ramo	1979	
*Charles H. Townes	1982	
+Seymour Benzer	1982	Y
*Walter H. Munk	1983	
*H. Richard Crane	1986	



Harry B. Gray	1986	Y
+Hans Liepmann	1986	Y
*Bernard M. Oliver	1986	
+*George W. Housner	1988	Y
+*Arnold O. Beckman	1989	
Rudolph A. Marcus	1989	Y
*Harden McConnell	1989	
*Eugene Parker	1989	
+*Robert P. Sharp	1989	Y
+Roger W. Sperry	1989	Y
+*Edward B. Lewis	1990	Y
+*John McCarthy	1990	
+*Edwin M. McMillan	1990	
John D. Roberts	1990	Y
*Folke K. Skoog	1991	
*H. Guyford Stever	1991	
Edward C. Stone	1991	Y
+*Eugene M. Shoemaker	1992	
+*Howard M. Temin	1992	
*Ray W. Clough	1994	
Peter M. Goldreich	1995	Y
+Norman R. Davidson	1996	Y
*Harold S. Johnston	1997	
*Bruce N. Ames	1998	
*Don L. Anderson	1998	Y
*George Whitesides	1998	
David Baltimore	1999	Y
John Baldeschwieler	2000	Y
*Yuan-Cheng Fung	2000	



*Robert N. Clayton	2004	
*Bradley Efron	2005	
Peter Dervan	2006	Y
*Berni Alder	2008	
*James Gunn	2008	
Amnon Yariv	2010	Y
Jacqueline K. Barton	2011	Y



NATIONAL MEDAL OF TECHNOLOGY

as of September 2009; 12 recipients

[We summarize Caltech's NMT recipients as follows: "Nine alumni (two of whom are also trustees; one of whom is also a faculty member), two additional trustees, and one additional faculty member."]

*alumnus

+deceased

NAME	YEAR ELECTED	FACULTY OR TRUSTEE?
+Ralph Landau	1985	trustee
*Allen E. Puckett	1985	
*Harold A. Rosen	1985	
*Joseph Charyk	1987	
+*Arnold O. Beckman	1988	trustee
*Alvin V. Tollestrup	1989	
*Gordon E. Moore	1990	trustee
Stephen D. Bechtel Jr.	1991	trustee
*James J. Duderstadt	1991	
*David Thompson	1991	
+Hans W. Liepmann	1993	faculty
*Carver Mead	2003	faculty



FELLOWS, AMERICAN ACADEMY OF ARTS AND SCIENCES
as of April 2011; 94 faculty members (including deceased)

John Norman Abelson
Thomas J. Ahrens
Clarence Roderic Allen
Richard A. Andersen
David Jeffrey Anderson
Don Lynn Anderson
Fred Anson
Frances H. Arnold
Michael Aschbacher
John Dickson Baldeschwieler
David Baltimore
Barry Barish
Jacqueline K. Barton
John Edward Bercaw
Pamela Bjorkman
Roger David Blandford
William Bridges
Roy John Britten
Marianne Bronner-Fraser
Colin F. Camerer
Sunney I. Chan
Robert Frederick Christy
Frances Hettinger Clauser
Marshall Harris Cohen
Lance Edwin Davis
Peter Brendan Dervan
Raymond J. Deshaies



Michael Dickinson
Dennis A. Dougherty
Ronald William Prest Drever
Thomas Eugene Everhart
Scott E. Fraser
Murray Gell-Mann
William A. Goddard
Peter Martin Goldreich
Roy Walter Gould
Harry Barkus Gray
Robert H. Grubbs
John Joseph Hopfield
Yizhao T. Hou
Andrew Perry Ingersoll
Paul C. Jennings
Barclay Kamb
Hiroo Kanamori
Jonathan N. Katz
Mary B. Kennedy
Daniel Jerome Kevles
Joseph L. Kirschvink
Christof Koch
Masakazu Konishi
Steven Elliot Koonin
Shrinivas R. Kulkarni
Andrew Lange
John O. Ledyard
Henry Lester
Rudolph Arthur Marcus
Jerrold E. Marsden



Carver Andress Mead
Elliot M. Meyerowitz
Bruce Churchill Murray
Gerry Neugebauer
Peter C. Ordeshook
Michael Ortiz
Ray David Owen
Thomas Palfrey
Charles Raymond Plott
Hugh David Politzer
Anthony C. S. Readhead
Douglas C. Rees
John D. Roberts
Ares Rosakis
Anatol Roshko
Anneila Sargent
Wallace Leslie William Sargent
Maarten Schmidt
John Schwarz
John Hersh Seinfeld
Leon Theodore Silver
Barry M. Simon
Melvin I. Simon
Edward Manin Stolper
Paul W. Sternberg
Hugh Pettengill Taylor
Kip Stephen Thorne
David Tirrell
Alexander J. Varshavsky
Gerald Joseph Wasserburg



Caltech

James Adolph Westphal

Gerald Beresford Whitham

Mark Brian Wise

Peter John Wyllie

Amnon Zalman Yariv

Yuk L. Yung

Ahmed H. Zewail